Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

I. Background of the Firm

Top-level personnel direct and manage projects

Close, Jensen and Miller (CJM) was founded by F. Perry Close, in 1926. For over 75 years the firm has serviced municipal and private clients in professional assignments and projects. Close, Jensen and Miller provides a wide scope of professional consulting services in civil engineering design, land survey and planning.

The firm is under the direction of John H. Miller, P.E., L.S., President. The staff of CJM includes 49 persons encompassing a variety of disciplines and specializations. Civil engineering specializations include site design, roadway engineering, hydraulics, traffic and structural design. Other professional disciplines represented in the firm include a full range of land survey, planning, landscape architecture, environmental documentation and construction supervision.

The firm maintains complete support personnel and equipment for professional assignments and for the management control of projects. Extensive computer systems, including computer-aided design and drafting and automated plotting capabilities, are maintained in-house. *Top-level personnel direct and manage projects.* A contract administration staff provides up-to-date management data and assistance.

CJM is experienced in providing a computer-aided mapping, drafting and design (CADD) for all projects. We have innovated survey and mapping using Microstation Intergraph and we routinely perform engineering design and construction documents in electronic format.

II. Organization and Management

Diversity and range of experience

Close, Jensen and Miller, P.C. is a professional corporation under the direction of John H. Miller, P.E., L.S., President.

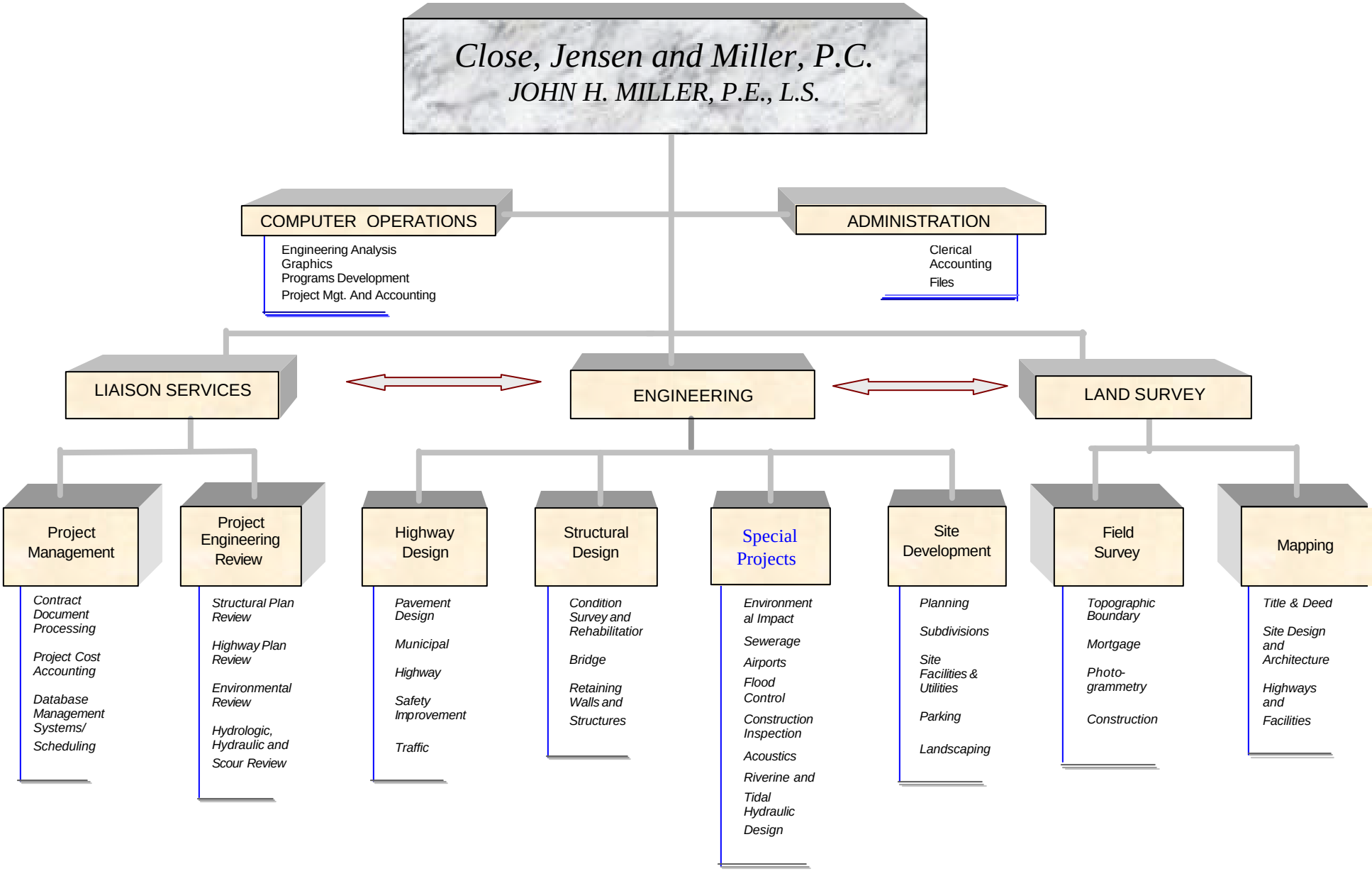
There are no subsidiary or controlling companies or corporations affiliated with the firm.

Close, Jensen and Miller maintains a staff of 19 registered Professional Engineers and 6 licensed Land Surveyors. The professional staff is augmented by junior engineers, technicians, drafters and field survey personnel.

The *diversity and range of experience* of the staff enable Close, Jensen and Miller to undertake and complete assignments involving great complexity in the shortest possible time.

An organization chart is presented on the following page.

The firm is an Equal Opportunity Employer and has received Department of Transportation approval of our annual Affirmative Action Program since 1975. The firm has long and successful experience in working with professional Disadvantaged Business Enterprise and Small Business Enterprise consulting services.


Close, Jensen and Miller, P.C.
JOHN H. MILLER, P.E., L.S.
COMPUTER OPERATIONS
Engineering Analysis
Graphics
Programs Development
Project Mgt. And Accounting
ADMINISTRATION
Clerical
Accounting
Files
LIAISON SERVICES
ENGINEERING
LAND SURVEY
Project Management
Contract Document Processing
Project Cost Accounting
Database Management Systems/ Scheduling
Project Engineering Review
Structural Plan Review
Highway Plan Review
Environmental Review
Hydrologic, Hydraulic and Scour Review
Highway Design
Pavement Design
Municipal
Highway
Safety Improvement
Traffic
Structural Design
Condition Survey and Rehabilitatior
Bridge
Retaining Walls and Structures
Special Projects
Environmental Impact
Sewerage
Airports
Flood Control
Construction Inspection
Acoustics
Riverine and Tidal Hydraulic Design
Site Development
Planning
Subdivisions
Site Facilities & Utilities
Parking
Landscaping
Field Survey
Topographic Boundary
Mortgage
Photo-grammetry
Construction
Mapping
Title & Deed
Site Design and Architecture
Highways and
Facilities

III. Capabilities and Experience

Highway Design

CJM provides complete professional services for *highway design* and all related transportation engineering. The personnel of the firm are experienced in all aspects of design specialties. Professional personnel include 19 registered Professional Engineers and several licensed Land Surveyors.

For highway design services, we maintain a battery of computer programs for such features as horizontal and vertical geometry, hydraulic and gutter flow analysis, culvert sand backwater flow calculations, traffic signalization analysis. The design expertise of the firm has been enlarged by the experienced gained in related roadway safety studies, environmental surveillance services and construction supervision. We are familiar with ConnDOT policies and practices.

Complete plans, specifications and cost estimates for projects are undertaken by in-house personnel from concept planning through to project completion. The firm has been involved in numerous highway and bridge design projects and is experienced in working with municipalities and with regulatory agencies. The firm has conducted design projects under various Federal and State aid programs. We also provide specialized services that may be required such as detailed traffic and signalization analyses, environmental assessments, inland wetlands, and other permits, and environmental documentation related to highway assignments.

- *I-84, Waterbury/Cheshire, Connecticut*, CJM is performing engineering services for the widening and intersection improvements for a 3.5 mile section of I-84 including drainage, structures and redesign of two interchanges. Final design was completed on schedule in November 2001.
- *I-95, New Haven/East Haven, Connecticut*, CJM is performing engineering services for the widening and median improvement for a 1.8 mile section of I-95 including drainage and structures for two interchanges, and two frontage roads. Preliminary design started in October 1999. Final design will be completed by October 2002.
- *Reconstruction of Route 2A, Montville, Connecticut*, CJM performed all design for complete reconstruction of about 2 miles of Route 2A with a new full access interchange to the Mohegan Reservation. The design included the widening of this roadway from 2 lanes to 4 lanes expressway, drainage, structures and traffic design. Design completed in 1995. Construction completed in 1996.
- *I-84 Ramps, Waterbury, Connecticut*, CJM performed all designs services for the relocation of Exit 22 Ramps in Waterbury for the Brass Mill Center project, including highway design, drainage, structures, traffic engineering design for signals and MPT and complete construction documents.
- *Mile Hill Road (SR 490), Newtown, Connecticut*, CJM performed design services for this ½ mile section of roadway. The work includes complete reconstruction of the roadway, drainage, traffic MPT wetland restoration and environmental permitting.
- *Route 69, Waterbury, Connecticut*, CJM performed all design services for the widening of Route 69 for the Brass Mill Center project, including highway design, drainage structures, traffic engineering for signals and MPT, and complete construction documents. Design completed in early 1996.
- *Route 7, New Milford, Connecticut*, CJM is performing engineering services for the reconstruction of Route 7 in New Milford, including horizontal and vertical geometry, drainage, hydraulic analysis and materials for environmental permitting. Design to be completed in 1997.

- *Reconstruction of Interstate Highway 91, Windsor, Connecticut*, CJM performed all design for the complete reconstruction of 3.9 miles of I091, including drainage, structures, H.O.V. lanes, and three interchanges. For the Connecticut Department of Transportation; Project No. 164-177. Design completed in 1990.
- *Construction of Red Stone Road, Manchester, Connecticut*, CJM performed design and construction documents for this new road. Design construction completed in 1992.
- *Reconstruction of Pleasant Valley Road, Manchester, Connecticut*, CJM performed survey, design and construction documents for the reconstruction of this major arterial, involving signalization and MPT.
- *Reconstruction of Spring Street, Windsor Locks, Connecticut*, CJM performed survey, design and construction documents for the reconstruction of local arterial, involving signalization and limited rights-of-way. For the Town of Windsor Locks under the Urban Systems program; ConnDOT Project No. 165-183. Design completed 1991.
- *Reconstruction of Chase Parkway, Waterbury, Connecticut*, CJM performed design and construction documents for this major arterial serving State educational complex. Design completed in 1990; construction completed in 1992. For the Connecticut Department of Public Works.

Bridge and Structural Design CJM provides complete professional services in the evaluation and structural design of highway and railroad bridges. The personnel of the firm are experienced in all levels of bridge analysis, rehabilitation and design for new and replacement structures. A division of the firm has conducted the Consultant Liaison Service for the Connecticut Emergency Bridge Program and subsequent infrastructure programs (1983 to present) involving repairs or the replacement of over 700 bridge structures in the State under an expeditious schedule. CJM's services include the inspection and preparation of Rehabilitation Study Reports and development of Hydraulic and Scour Reports, environmental evaluations and permitting, as well as technical reviews and contract processing of projects.

- *Reconstruction of I-95, New Haven and East Haven, CT,* Currently in final design phase of a construction contract valued at approximately $70 million. There are 9 new bridges, including 3 multi span bridges over I-95, a three span continuous bridge supporting I-95 over U.S. Route 1 and Amtrak, a clear span through girder bridge over I-95, two single span bridges and two new culverts supporting I-95 and a frontage road system. The stage construction and alignment plans for these bridges have been developed to minimize the disruption to this heavily traveled and densely developed corridor. The project also includes architectural retaining walls which have been coordinated with state and city officials to develop a context sensitive overall design.
- *Reconstruction of I-84 – Cheshire & Waterbury (November 2001),* Prepared design plans for the reconstruction of I-84, including reconstruction and widening of 5 bridges and a new curved steel girder bridge which supports a new I-84 off-ramp over a wetland.
- *Mohegan Sun Resort - Montville (October 1996 - Present),* Developed design plans and provided inspection services for five new bridges, a tunnel, and several retaining walls as part of the Resort development and Route 2A roadway improvements.
- *Amtrak Solid Barrier Design (1998),* Developed designs for aluminum and Lexan barriers to meet the new criteria for electrification of Amtrak's facilities from New Haven to Boston. Coordination with the Connecticut Department of Transportation and local towns was also assisted by CJM.
- *Bridge Ratings – I-84 in Hartford (July 1997),* Prepared a rating analysis of Bridge No. 03160 (Aetna Viaduct) for ConnDOT. The analysis was performed using working stress analysis and load factor design methods.
- State Orphan Bridges (1991 to Present), Performed the evaluation and design for the replacement of the following orphan bridges:

- Bridge No. 03892 Horsepond Road over Amtrak in Madison
  Construction comp leted Fall 1998
- Bridge No. 03894 Old Clinton Road over Amtrak in Westbrook
  Construction completed Fall 1997
- Bridge No. 03904 Masons Island Road over Amtrak in Stonington
  Construction completed Fall 1995

These projects involved maintaining railroad traffic while constructing the new structure.

- *United Illuminating Power Plant – Bridgeport (July 1998)*, Prepared structural design plans for new intake and outlet structures, and circulating water piping system for a new power plant located in Bridgeport's Harbor. This design included cofferdams for construction approximately 35 feet below sea level. CJM also provided field construction support during pile driving.
- *Brass Mill Mall – Waterbury (September 1997)*, Developed design for roadway improvements on Route 69 and I-84 to accommodate the new mall. This work included replacing an existing viaduct bridge, widening a concrete arch bridge and a new I-84 off-ramp bridge.
- *Value Engineering for I-95 over Atlantic Street in Stamford (March 1997)*, Value engineering for the replacement of Bridge No. 00028. CJM partnered with the State's contractor to develop a value engineering plan which revised the stage construction plan and utilized a new superstructure. The State accepted the value engineering proposal and the project was completed ahead of schedule, at a savings to the State.
- *Metro-North Railroad over Indian River – Westport (December 1996)*, Developed design plans for a jacking and receiving pit to jack twin 84" concrete pipe culverts under the Railroad. The project was successfully completed without interruption to the Railroad.
- *Route 17 over Allyns Brook – Durham (December 1994)*, CJM received the Federal Highway Administration National Quality Initiative Achievement Award for their design which incorporated an existing stone arch bridge into a new single span concrete deck unit structure.

Traffic Engineering

CJM is staffed and experienced for professional *traffic engineering*. The firm is experienced in all levels of traffic study and evaluation ranging fro m localized site development projects or a single intersection analysis to regional-scale traffic projects. And we provide complete design for transportation improvements.

Experienced engineers and transportation planners conduct roadway and intersection capacity analyses, signalization evaluations, and design improvements to increase service, capacity and safety. For large scale projects, the firm can provide origin and destination analyses and gravity model distribution analysis.

CJM is experienced in the conduct of traffic counts of existing roadways using our automatic and electronic counters and traffic recorders. When needed, complete manual turning movement counts of intersections are conducted. The firm is also experienced in using State traffic data and accident reports.

The firm has conducted major traffic studies, such as for regional shopping centers, complete with the documentation required for State Traffic Commission application and acceptance. We have designed all traffic matters for interstate highway and state highway systems including complex signal schemes, pavement marking and signing. Experience in highway/roadway design and major safety improvement programs has augmented the traffic engineering expertise of the firm for difficult assignments and the latest of techniques.

- *Traffic Impact Report: Mohegan Sun Resort, Montville, Connecticut*, CJM prepared extensive traffic studies for this proposed Casino and resort development on the reservation of the Mohegan Indian Nation. The study concluded with a recommendation to widen Route 2A from 2 lane roadway to an expressway for about 2 miles with a new interchange to serve the casino traffic.
- *Brass Mill Center and Commons, Waterbury, Connecticut*, CJM prepared traffic signalization design for 12 signals for this large mall project. The design also included closed loop coordination system, pavement markings, signing and MPT.
- *Route 99 (Silas Deane Highway) Corridor Study, Rocky Hill, Connecticut*, CJM conducted a comprehensive corridor study for this route in Rocky Hill. The analysis concluded with alternative recommendations to improve safety and capacity within the corridor. Completed in 1955 for the Connecticut Department of Transportation.
- *Traffic Impact Report: Connecticut Centre for the Performing Arts, Hartford, Connecticut*, CJM prepared the traffic impact studies for this large concert facility. The study included analysis of intersection capabilities, signal evaluations and system requirements. Completed in 1994.
- *Hartford Hospital/New Newington Children's Hospital, Hartford, Connecticut*, CJM conducted traffic and parking studies for this major new pediatric hospital at the Hartford Campus. Prepared traffic impact evaluation and designed new campus circulation plans. Completed in 1994.
- *Traffic Impact Report: Apple Valley Mall, Southington and Cheshire, Connecticut*, CJM performed an extensive traffic evaluation study for the proposed 1-million square foot retail development on Routes 10 and 322. Traffic impacts and recommended improvements extended over a wide area and included major State highways and local streets. Studies ongoing in 1992.
- *Maintenance and Protection of Traffic for Highway Construction Projects*, CJM has designed MPT programs for numerous highway construction project, including that for the Reconstruction of I-91, Windsor, CT, and for bridges in the Infrastructure Renewal Programs, Statewide, 1984 to present.
- *Traffic Studies for Major Retail Facilities*, CJM as served several developers in planning for shopping mall and office sites in Connecticut. Projects have included the Apple Valley Mall, Cheshire and Southington, as well as proposed malls in Stamford and Danbury. In each instance, trip forecasting, gravity models and trip distribution/assignment models have been employed to simulate future travel demands.

Surveying

CJM is experienced in all professional land and facility survey services for design and construction. The firm maintains several field survey crews with broad experience in all phases and types of survey requirements. Electronic measuring equipment, modern techniques and high accuracy instruments are employed on a routine basis.

The firm is particularly experienced in the survey and mapping requirements for highway engineering and roadway reconstruction. Photogrammetric controls and mapping have been performed for dozens of projects in recent years including corridors of over 12 miles in length, local roadway projects, major bridge replacements and extensive site development improvements.

Field and photogrammetric survey is supported by extensive computer system capabilities providing a variety of mathematical programs such as traverse balance, closure, leveling and coordinate geometry programs. The survey section makes daily use of automatic computer plotting and contour marking. Full CAD mapping is now employed on nearly all major mapping assignments.

The firm is experienced in property mapping for highways having conducted the property maps for I-91 Reconstruction in Windsor, CT, and for numerous bridge projects in the infrastructure renewal programs. We have also performed right-of-way survey and monumenting projects for highways and local roads.

- *Spring Street Monumentation, Windsor Locks, Connecticut*, CJM is performing the survey and installation of monuments for Spring Street in Windsor Locks, Connecticut, for the Town of Windsor Locks. Work underway in 1996.
- *Signature Flight Support, Windsor Locks, Connecticut*, CJM provided survey services for design and construction of this private passenger terminal, hanger facility. Completed in 1994.
- *Route 99 (Silas Deane Highway), Rocky Hill, Connecticut*, CJM is providing the field survey for the reconstruction design of this corridor in Rocky Hill, including horizontal, vertical control, photogrammetry control, and mapping in metric and 40-scale. Anticipated completion, December 1996.
- *Field Survey for the Replacement of the Charter Oak Bridge, Hartford and East Hartford, Connecticut*, The firm provided horizontal & vertical control, photogrammetry control, property data, coordinates, river soundings and all utility data for survey for a new Connecticut River bridge. For the firm of Steinman, Boynton, Gronquist and Birdsall. Completed 1989.
- *Interstate Highway 91, Windsor Locks, Connecticut to Massachusetts State Line*, CJM provided horizontal and vertical control, photogrammetric controls and 40-scale mapping for 12 miles of interstate highway corridor for major reconstruction design. Completed 1989; For the Connecticut Department of Transportation.
- *Interstate Route 84 Monumentation, East Hartford, Connecticut*, CJM has performed the survey and installation of monuments for the I-84 expressway corridor in East Hartford. For the Connecticut Department of Transportation; Completed 1991.

Landscape Architecture

CJM has professional expertise and experience in landscape design. CJM maintains a Registered Landscape Architect on the staff. Our landscape design assignments are diverse and comprehensive.

- *Spruce Street Parking Facility at Union Station, Hartford, Connecticut*, CJM performed engineering and landscape design for a parking facility adjoining downtown rail and bus terminal. Landscape elements included internal tree and buffer plantings, street trees, ornamental security fence, and block slope stabilization. For the Greater Hartford Transit District.
- *Redstone Road and Buckland Square Shopping Center, Manchester Connecticut*, CJM designed street tree plantings and slope stabilization plantings for new public street, along with plantings and irrigation system design for the shopping complex. Project included naturalization and screen plantings for detention pond. Constructed 1992.
- *Park Improvements for Harborpark, Ravine Park and Veterans Memorial Park, Middletown, Connecticut*, CJM designed improvements for pedestrian accessibility in compliance with the Americans with Disabilities Act; the addition of fitness trails, exercise stations, parking and picnic facilities; protective timber guide railing systems and landscaping. Constructed in 1992 for the City of Middletown, Parks and Recreations Department.
- *Plaza at Buckland Hills, Shopping Center, Manchester, Connecticut*, CJM designed street tree plantings for Pleasant Valley Road and plantings for the shopping complex. Project included berm construction and plantings for visual screening and stabilization and naturalization plantings for several detention ponds. Constructed in 1993 for the Melvin Simon Development Corporation, Indianapolis, Indiana.
- *Sysco Food Services Corporation, Rocky Hill, Connecticut*, CJM performed site layout, engineering and landscape design for a 350,000 square foot food warehouse. Project included specialized plantings and bio-filter design for storm drainage detention pond.

- *Brimfield Village, Rocky Hill, Connecticut*, CJM performed site layout, engineering and landscape design for a 33-unit adult community. Project included berm construction and plantings for visual screening; stone walls and entrance signage, and naturalized plantings for detention pond.

Site Engineering Design

CJM provides complete professional services for the planning, site engineering and development of institutional facilities. The services of CJM include field investigation and evaluation; land survey and mapping; site engineering incorporating grading, hydraulics, hydrology and drainage, roadways and parking, all utilities including water supply and sanitary; landscape design; traffic studies; plans, specifications and cost estimates for construction; construction phase engineering/inspection.

- *Meadows Music Theater, Hartford, Connecticut*, CJM designed the site layout, drainage and traffic for this 30,000 seat amphitheater. The facility was built with funds from the Connecticut Department of Economic Development (DECD).
- *Park Improvements for Harbor Park, Ravine Park and Veterans Memorial Park, Middletown, Connecticut*, CJM designed improvements for pedestrian accessibility in compliance with the Americans with Disabilities Act, the addition of fitness trails, exercise stations, parking and picnic facilities, protective timber guide railing systems and landscaping.
- *SYSCO Food Distribution Center, Rocky Hill, Connecticut*, CJM designed all civil engineering aspects of the project which included site plan development, traffic, drainage and landscape architecture. DECD funds were used for construction.
- *Parking Garage for UConn, Mansfield, Connecticut*, CJM is currently the civil/site engineer for a $9 million parking facility, working for the prime design/build contractor O&G Industries, Inc.
- *Mapping and Traffic Studies for Trinity College, Hartford, Connecticut*, CJM performed comprehensive campus mapping, designed sports fields and parking lots and conducted traffic studies/street closure proposals for Hartford campus, 1990-1995.
- *New Newington Children's Hospital, Hartford, Connecticut*, CJM performed survey, traffic engineering and site engineering design for the development of the Children's Medical Center at the Hartford Hospital campus.
- *Expansion of St. Francis Hospital, Hartford, Connecticut*, CJM performed site engineering, including extensive utilities relocation, for the Patient Care Tower and expansion at the St. Francis Hospital campus.
- *USAirports Air Cargo Facility, Bradley International Airport, Windsor Locks, Connecticut*, USAirport's state-of-the-art air cargo facility consists of 90,000 square feet of freight handling space and approximately 500,000 square feet of pavement for aircraft parking apron and truck dock loading area. CJM was responsible for the entire site design including survey, grading, utilities, hydraulics, pavement and drainage. For USAirports.
- *Plaza at Buckland Hills Shopping Center, Manchester, Connecticut*, CJM provided all of the on-site and off-site engineering for this new 35-acre shopping center. On-site design tasks included grading, drainage, parking lot, sidewalks and landscaping which included berm construction and plantings for visual screening and stabilization and naturalization plantings for several detention ponds. Off-site tasks included the survey, design and construction document for the reconstruction of Pleasant Valley Road, a major arterial involving signalization and maintenance and protection of traffic.
- *Brimfield Village, Rocky Hill, Connecticut*, CJM performed site layout, engineering and landscape design for a 33 unit community project including berm construction and plantings for visual screening, stone walls and entrance signage and naturalized plantings for detention pond.
- *Village at Wethersfield, Wethersfield, Connecticut*, CJM provided all of the on-site engineering for this 20-acre, 15 building apartment complex including grading, drainage, roadway, parking and sidewalks.

- *Salmon River State Park Site Improvements, East Hampton, Connecticut*, CJM provided stabilization of river bank erosion through the use of all natural, bio-degradable geo-textiles, mass plantings and native grasses. The project also provided river access for the physically disabled via stone dust pathways and ramps to an elevated fishing dock structure.
- *Wethersfield Country Club Site Improvements, Wethersfield, Connecticut*, CJM provided the engineering to reconstruct two parking areas adjacent to the Clubhouse. Design considerations included traffic circulation, visual and physical separation of service/delivery area from vehicular parking area, landscaping, handicapped access and new lighting.
- *Century Hills, Rocky Hill, Connecticut*, Century Hills is a large residential community of hi-rise and low-rise apartments, condominiums and single family homes. Site design by CJM included public and private streets, parking facilities, a scenic dam and lake, all drainage and utilities and traffic studies.
- *Putnam Park, Wethersfield, Connecticut*, CJM served as site engineer for the development of a 150,000 square foot high-rise office on a 9 acre site at Route 3/91 and the Connecticut River. The project entailed: 79 car parking spaces within the building and 600 outdoor spaces, lengthy extension of utilities under highway; special flood protection and local and state approvals.
- *OTB Teletheater* Facility, Windsor Locks, Connecticut, CJM provided site design for a $4.5 million off-track betting/double theater facility on Schoenpoester Road near Bradley International Airport. The teletheater is the first phase of a 30-acre development project. Site engineering included grading, utilities and storm drainage retention.
- *Collier Farms, Wethersfield, Connecticut*, CJM is providing all the site engineering for this 24 acre, 97 condominium complex including grading, drainage, roadway, parking and sidewalks.
- *Hale Road Plaza, Manchester, Connecticut*, CJM prepared the site engineering design for this 120,000 square foot shopping center. This project was on an accelerated schedule for opening before the 1993 Christmas season. The design started in March 1993 and completed the design and all necessary approvals by June 1993. Construction was complete on time in September 1993.

Aerial Photogrammetry

CJM is experienced in the survey and mapping requirements for highway engineering with modern methods of photogrammetry and CADD development. CJM provides full survey and mapping services using aerial photographers as subcontractors.

- *Route 99 (Silas Deane Highway), Rocky Hill, Connecticut*, CJM is preparing 40-scale photogrammetric mapping for the design of the construction of Route 99. Completed in 1996.
- *Interstate Highway 91, Windsor Locks to Massachusetts Line*, CJM provided full 40-scale photogrammetric mapping for 12-mile length of interstate highway corridor for design for reconstruction. Completed for the Connecticut Department of Transportation.
- *Reconstruction of Spring Street, Windsor Locks, Connecticut*, CJM prepared 20-scale photogrammetric mapping for the design for total reconstruction of local arterial. For the Town of Windsor Locks.
- *Replacement of Charter Oak Bridge, Hartford and East Hartford, Connecticut*, CJM conducted the mapping program for the design of new Connecticut River Bridge and approaches. For the firm of Steinman, Boynton, Gronquist and Birdsall; completed in 1989.
- *Trinity College, Hartford, Connecticut, CJM prepared complete 20-scale mapping program of college campus with AutoCAD photogrammetry. Completed 1992.*
- *City of Middletown Parks, Middletown, Connecticut*, CJM developed photogrammetric mapping for design of recreation facilities and drainage improvements for three Middletown parks. Completed 1992.

- *Suffield Academy, Suffield, Connecticut*, CJM prepared detailed mapping program for extensive campus; computer graphics used throughout from aerial data. Completed 1993.

Construction Engineering and Inspection

CJM provides professional services for construction phase engineering and inspection for all types of civil engineering construction. The firm provided a staff of six for the Rehabilitation and Reconstruction of Taxiway "C" at Bradley International Airport – including a Resident Engineer, Chief Inspector, and specialized field inspectors.

The professional engineers of CJM are experienced in on-site construction supervision and construction management. Experienced inspectors and technicians are familiar with the resident engineering/inspection requirements of the State of Connecticut and with all types of field conditions in Connecticut.

- *Reconstruction of Spring Street, Windsor Locks, Connecticut*, CJM conducted the engineering supervision and inspection of new street construction, including traffic signals and sewer facilities. For the Town of Windsor Locks; Completed in 1993.
- *Rehabilitation and Reconstruction of Taxiway "C", Bradley International Airport, Windsor Locks, Connecticut*, CJM provided complete resident engineering/inspection teams for the accelerated construction program for large taxiway reconstruction and extension. Construction features included major grading, several types of pavement, lighting systems and resurfacing. For the Connecticut Department of Public Works.
- *Old County Road Widening and Sewer Extension, Windsor Locks, Connecticut*, CJM supervised roadway construction and interceptor sewer installation, including pump station facilities. For the Town of Windsor Locks.
- *West Side Urban Renewal Project, Norwich, Connecticut*, CJM provided on-site engineering and inspection of multi-phased renewal projects, including new streets, utilities and park and recreational facilities. For the Redevelopment Agency of the City of Norwich, Norwich.
- *Reconstruction of Route 2A, Montville, Connecticut*, CJM provided a team of inspectors for this major reconstruction in Montville, CT. The project involved the complete reconstruction of Route 2A from a 2-lane to 4-lane highway for a distance of about 2 miles including a new full service interchange to the Mohegan Reservation. The project was completed on time within an eight-(8) month accelerated schedule and $40 million dollars of highway construction.

Environmental Planning and Environmental Studies

CJM provides a full range of environmental documentation, assessment and permit application services for public projects. The firm is experienced in a wide variety of assignments including detailed investigations, analysis, and impact evaluations for and permits applicable to projects in Connecticut, such as local and State inland wetlands and watercourse permits and CAM/tidal wetland approvals. We are also experienced with federal agency procedures and applications such as for U.S. Corps of Engineers and U.S. Coast Guard permits.

Impact evaluations for projects ranging from small-localized problem areas to intertown roadway construction projects and interstate highway systems have been successfully accomplished. Professional staff specializations for environmental studies and documentation include such categories as environmental engineers, hydrologists, an acoustical engineer, a development can be analyzed, including traffic, noise, drainage and air pollution.

Close, Jensen and Miller is experienced in Federal Environmental Assessments, Environmental Impact Statements (E.I.S.), Section 4(f) Statements, and Environmental Impact Evaluations (E.I.E.) under State of Connecticut laws and procedures. We have managed the historical reviews and environmental permits for over 600 Connecticut bridges in the State Infrastructure Renewal Programs in the past few years, and we have prepared environmental reports for numerous State of Connecticut and private development projects.

- *Federal Environmental Assessment/Section 4(f) Statement and Connecticut FONSI for the Replacement of the Tomlinson Bridge, New Haven, Connecticut*, CJM prepared the draft and final environmental documents evaluating proposed new lift span structure in urban/coastal setting. CJM also directed the ConnDEP and COE permits process. For the Connecticut Department of Transportation. Completed 1993.
- *Finding of No Significant Impacts: Parking Garage for the Capital Community-Technical College, Hartford, Connecticut*, CJM conducted environmental impact studies and prepared reports under CEPA for the Board of Trustees of Community-Technical Colleges. Completed 1993.
- *Environmental Reviews: Connecticut Infrastructure Renewal Programs*, The Consulting Liaison Service of CJM has conducted the Environmental review and coordination including Inland and tidal Wetlands, U.S. Army Corps of Engineers and U.S. Coast Guard Permits for the repair/replacement of over 600 bridges located throughout Connecticut. For the Connecticut Department of Transportation; 1983 to present.
- *Draft and Final Environmental Impact Statements and Section 4(f) Statement: Interstate Routes I-84 & I-86, East Hartford and Manchester, Connecticut*, CJM prepared the detailed environmental impact documentation and E.I.S. report for a major interstate highway widening and extensive interchanges. The project involved sensitive parklands, natural areas and marsh. For the Connecticut Department of Transportation.
- *Environmental Impact Evaluation: ConnDOT Central Warehouse, Rocky Hill, Connecticut*, Close, Jensen and Miller conducted the EIE/FONSI for a centralized supply facility to be located on Brook Street, Rocky Hill. For both ConnDOT and Connecticut Department of Public Works; 1987 – 1988.

Close, Jensen and Miller, P.C.

1137 Silas Deane Highway
Wethersfield, CT 06109

Telephone (860) 563-9375 ***FAX (860) 721-1802***

DESIGNER OF I-95 SECTION "C"

Responsibilities:

- Highway Design — Approximate Two Mile Section
- Bridge Design — Seven Bridges. Retaining Walls.
- Environmental — Permitting
- Traffic Engineering: — Signal Design, MPT, Signing and Pavement Markings

Project Manager:

Cory Garro, P.E.