

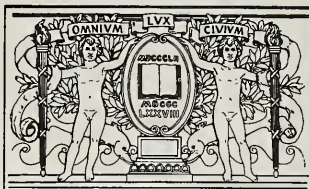
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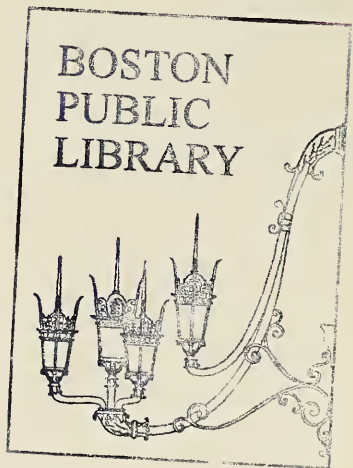
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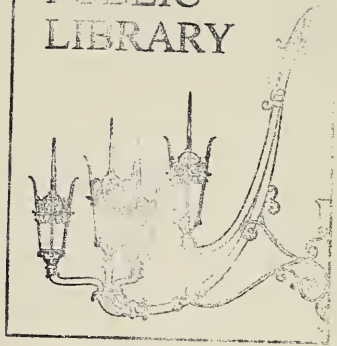
QUALIFICATIONS

Boston Redevelopment Authority

**Engineering Services
Improvements to St. Botolph Street**

March 1988





March 25, 1988

Mr. Paul Reaves
Assistant Director
Engineering and Design Services
The Boston Redevelopment Authority
City Hall, Room 943
Boston, Massachusetts 02201

Dear Mr. Reaves:

Hayden-Wegman is pleased to submit ten copies of this Letter of Interest and Qualifications for providing engineering services to the Boston Redevelopment Authority in accordance with your request dated March 8, 1988.

Hayden-Wegman is a multi-disciplinary consulting engineering firm located in Boston with several other offices along the East Coast. Our firm, formerly known as Hayden, Harding and Buchanan, has been providing professional services to public and private clients since 1983. This year we proudly celebrate our 50th Anniversary.

Hayden-Wegman is well qualified to provide the Authority with the necessary services to meet the requirements for the various work noted in your request. Administrative responsibility will be assigned to Mr. Michael J. Angieri. Mr. Angieri has 17 years of experience in civil engineering and is well-acquainted with the necessary steps and reports required to manage a successful project. He will be assisted by Mr. Richard Stewart, Ms. Cordis Yates-Thompson, and Mr. Thomas St. Sauveur. These project engineers have years of experience on roadway reconstruction and have worked with Mr. Angieri on several similar projects. Resumes of the key personnel have been included in our submittal.


We appreciate the opportunity to submit these qualifications and look forward to a future working relationship with the Authority.

Very truly yours,

HAYDEN-WEGMAN CONSULTING ENGINEERS

A handwritten signature in cursive script, appearing to read 'Donald F. Dargie'.

Donald F. Dargie, P.E.
Senior Vice President



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Relevant Project Experience

References

Key Personnel

Affirmative Action

Relevant Experience

PROJECT EXPERIENCE: URBAN SYSTEMS/ROADWAY RECONSTRUCTION

The following project descriptions highlight some of Hayden-Wegman's achievements in roadway reconstruction, design, traffic improvements, urban redevelopment, and associated amenities.

BRIGHTON AVENUE RECONSTRUCTION

Boston, Massachusetts

Hayden-Wegman was selected to prepare plans and specifications for the rehabilitation of Brighton Avenue, Boston, from Commonwealth Avenue, Packards Corner, to Cambridge Street, Union Square. The present facility operates as a 4 moving lane, 2 parking lane divided roadway without dedicated provisions for left turning vehicles. Trolley tracks are maintained in the two lanes adjacent to the median and, when operating, trolleys compete with automotive traffic for lane use. The project involves a review of the four (4) signalized intersections' physical layout and operational characteristics for both existing conditions and as proposed by others. Key work elements include a parking turnover survey with signing and curb space regulation recommendations, signalized intersection recommendations, pavement evaluation for proper replacement (cold-planing to full depth reconstruction), sidewalk replacement and urban landscape amenities.

RHODE ISLAND SIGNALIZATION

Rhode Island D.O.T.

The R.I. D.O.T. selected Hayden-Wegman to provide plans and specifications for 10 locations requiring signalization to regulate normal vehicular traffic flows or as pre-emption for fire houses. The project has a high degree of urgency and documents for the first 5 locations are expected to be advertised in Spring 1988 with the remainder to follow promptly.

STREET RECONSTRUCTION

Lowell, Massachusetts

Scope of Work includes survey of project area (Appleton/Middlesex/Jackson Streets) and evaluation of existing water, sewer/drain, streetlighting, roadway/walk/curb condition, streetscape features. With base condition known, we will design improvements to upgrade all these facilities to create a complementary business area adjacent to the recently upgraded central business area and as an extension thereto.

SPRUCE STREET INTERSECTIONS

Chelsea, Massachusetts

Hayden-Wegman is providing traffic engineering services to the Chelsea Redevelopment Authority for the design of one new traffic signal installation and the coordination of two additional traffic signals along the heavily-trafficked Spruce Street corridor in Chelsea. This particular corridor services the busy Chelsea Produce Markets as well as a developing commercial/light manufacturing area, and the signal system designs and phasing are responsive to the heavy truck volume as well as to unusual traffic flows throughout the day along this corridor.

BRIDGEWATER STREET BRIDGE
Gloucester, Massachusetts

The City of Gloucester, Office of Engineering, has chosen Hayden-Wegman to provide design, environmental permitting, and historical documentation services for the replacement of a 450 foot historic timber structure over Lobster Cove in the Annisquam Community of Gloucester.

The bridge is known historically as the Annisquam Bridge, and has been recorded on the National Register of Historic Place since 1983. Our services have included the complete documentation of the existing bridge through record photographs and a written historical account prior to the bridge's replacement. The documentation was done in compliance with the standards of the Historic American Engineering Record (HAER) and is presently displayed in the Massachusetts State Archives.

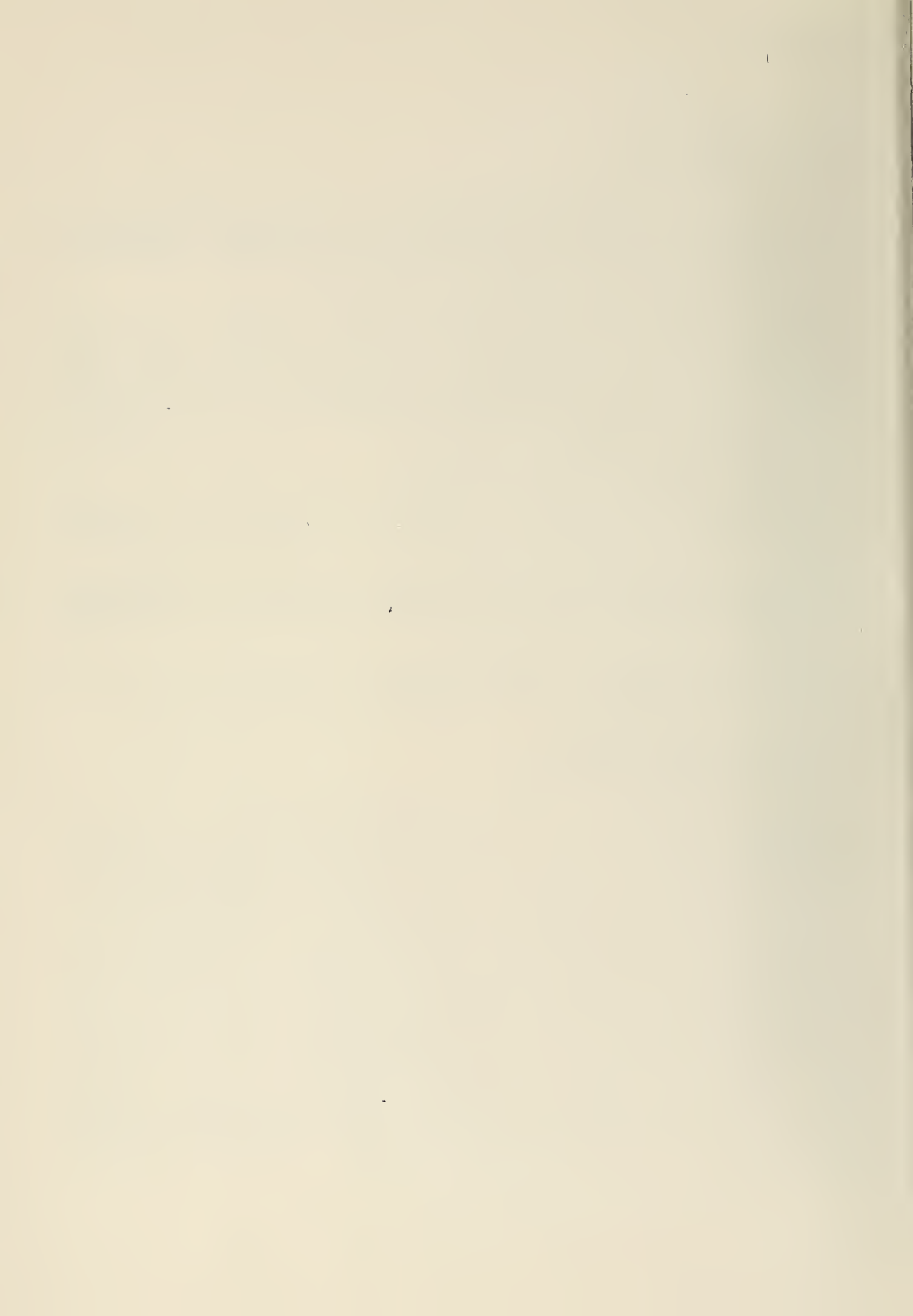
The replacement pedestrian bridge will consist of similar timber pile and beam construction in the same location and with identical span lengths to emulate the former structure while meeting the desires of the Annisquam Community.

In addition to the standard environmental services provided by Hayden-Wegman for local, state and federal agencies, the unique location of the bridge over navigable waters triggered the application and review of the U.S. Coast Guard on the project.

With construction scheduled for spring and summer of 1988, Hayden-Wegman will complete another successful and unique project for the City of Gloucester.

SULLIVAN SQUARE INTERIM PROGRAM
Somerville/Charlestown, Massachusetts

The Boston Public Works Department selected Hayden-Wegman to provide a condition survey, preliminary study and improvement report for the Sullivan Square overpass and underpass. Hayden-Wegman staff members inspected, analyzed, and rated the structures for their ability to carry their design loadings. Our in-depth preliminary report contained recommendations for remedial safety and protective maintenance improvements, and cost estimates to bring the structures up to design capacity. This report was accepted by the City of Boston, and MDPW and authorization was given to design short term remedial improvements primarily to address safety issues. These improvements included removing and replacing sections of deteriorated deck slabs; repair and replacement of expansion joints; repaving of roadway surface areas; repair and/or replacement of metal guard rail; repair and improvement of the drainage system, especially in areas where water collected on the roadway surface causing icing conditions during winter months; repair to the lighting system, pavement markings and signing. Design was completed in Spring of 1987, advertised and a construction design contract awarded. Hayden-Wegman provided construction inspection services with both roadways reopened for travel by December 1987.





Sullivan Square Rehabilitation
Charlestown, Massachusetts



TRAFFIC ASSESSMENTS FOR DEVELOPMENTS

Various Locations

Hayden-Wegman has performed a number of traffic assessment studies for proposed new residential and commercial developments. Evaluations included existing operations of the adjacent street systems and adjacent intersections, analysis of flows and traffic characteristics with development generation, analysis of transportation impacts, coordination with State and Community agencies, and recommendations for mitigating measures as necessary.

SHIPYARD ROAD DESIGN

Hingham, Massachusetts

Hayden-Wegman was selected by the Town of Hingham in January 1985 to provide surveying, easement plans, preliminary and final designs and construction administration services for the design of the Shipyard Access Roadway. We performed traffic studies based on future development of the industrial area, including access to the existing commuter boat facilities, parking facilities and other operations to determine levels of service required at the state highway intersection and interfaced development demands with MDPW signal redesign.

The 3,000 linear feet industrial access roadway, completed in December 1986, now services commercial, retail and residential facilities in the area.

TEMPLE STREET RECONSTRUCTION

Spencer, Massachusetts

Hayden-Wegman provided design and construction administration services for the reconstruction of 2,200 linear feet of roadway, including the reinstallation of curbing and sidewalks, and improvements to the existing storm drainage system, which involved replacing 1,900 linear feet of 15-inch pipe and increasing the capacity of the natural drainage area.

The area along and around Temple Street is currently undergoing substantial revitalization, and the street reconstruction, completed in 1986, has functioned as a key catalyst. The project was funded jointly through local funds and through a grant from the Massachusetts Executive Office of Communities and Development Small Cities Program.

TRAFFIC SIGNALIZATION STUDY, DESIGN AND ROADWAY RECONSTRUCTION

Newton, Massachusetts

The City of Newton Public Works Department retained Hayden-Wegman to provide engineering services for the design of traffic signals at two intersections as part of the street reconstruction program. The project involves review of traffic data, survey plans and agency requirements; traffic counts and traffic warrant analysis; preliminary and final design plans, construction cost estimates and contract bid assistance.





Roadway Reconstruction
Newton, Massachusetts



Hayden-Wegman has completed design and is administering the reconstruction of seven streets in Newton. The project involves reconstructing 27,222 linear feet of roadway, including new drainage structures, curbing, sidewalks, gate valves, hydrants and water service connections.

LOWELL STREET/VERNON STREET INTERSECTION

Wakefield, Massachusetts

For the Wakefield Public Works Department, Hayden-Wegman is redesigning a busy intersection bounded by a gas station, an auto repair service, a commercial office development and a small shopping complex. Traffic to/from three Route 128 accesses flow through this unsignalized intersection as well, making traffic during peak commuting hours particularly hazardous. Following an analysis phase, recently completed, Hayden-Wegman will be redesigning the intersection to reflect new roadway geometry, a traffic-responsive signal system, carefully delineated pedestrian crosswalks and landscaping improvements. The preliminary study has been submitted to the MDPW for approval and construction grant funding.

TRAFFIC STUDY

Waterford, Connecticut

Hayden-Wegman has recently completed a traffic study for Cross Road, an arterial roadway servicing an industrial zoned area in Waterford, Connecticut. The project involved obtaining traffic counts and the calculation of future estimated trip generation for the area based on existing zoning, allowable land uses and density variables. These volumes were then assigned to the various intersections along the roadway with recommendations for roadway improvements including the modification of two signalized intersections and future provisions for signalization of a third, when necessary, to accommodate future growth.

RECONSTRUCTION OF WEST AND ELMWOOD STREETS

Auburn, Massachusetts

Hayden-Wegman was retained by the Board of Selectmen to provide a full range of services--from surveying, to design, through construction administration--for the reconstruction of these two streets and the relocation of the West Street Bridge. West Street (2000 LF \pm) minus the relocated bridge and its approaches and the Elmwood Street project (1500 lf), involve safety and drainage improvements and are under construction. The replacement of the West Street Bridge over railroad tracks and the roadway approaches (1500 LF) are scheduled for funding under the State Bridge Replacement Program and are currently in the design and design review process with the MDPW.

GREENFIELD ROAD

Colrain, Massachusetts

The Massachusetts Department of Public Works selected Hayden-Wegman to design the three-mile reconstruction of Greenfield Road in Colrain. The design



project consisted of upgrading a two-lane substandard rural roadway through rather severe topography. One major design constraint was the Colrain water supply reservoir located less than 100 feet below roadway fill sections, requiring extensive sedimentation and erosion control construction procedures. This project was administered by the MDPW District Office.

URBAN SYSTEMS

Ludlow, Massachusetts

The Town of Ludlow accepted Hayden-Wegman's proposal for the complete reconstruction of East Street in the center of town; traffic improvements for seven major intersections; traffic control improvements for one mile of arterial roadway and another mile of widening and resurfacing with curbing and sidewalk installation.

The project was accepted by the Massachusetts Department of Public Works for Urban Systems construction funding. As part of this assignment, we coordinated public participation efforts to assure that design alternatives were fully discussed at the appropriate stages, recognizing that citizen support plays a key role in successful project implementation. Construction was completed in 1984.

URBAN SYSTEMS

Medford, Massachusetts

For the Massachusetts Department of Public Works, Hayden-Wegman designed a 1-mile section of the Mystic Avenue reconstruction project in Medford. The existing roadway was a 4-lane undivided arterial in a densely populated commercial/industrial section of Medford with extensive truck movements as well as heavy commuter traffic volumes. The project went out for bids in 1986 and construction is expected to be complete by Fall of 1988.

PUBLIC WORKS ECONOMIC DEVELOPMENT PROGRAM

Concord, Massachusetts

The Town of Concord, through a grant awarded by the Commonwealth of Massachusetts Public Works Economic Development Program, selected our firm to design a roadway that provides direct access from Route 2 to the 122-acre industrial park off Baker Avenue.

Serving as a basis for the continued expansion of the industrial park (currently 2,000 employees), this 2-lane roadway included the reconstruction of a full signalized intersection with Route 2. Beyond Route 2, the layout traverses the flood plain of the Assabet River, which required full incremental compensatory storage and replication of 25,000 square feet of existing wetland. These requirements were met by excavating and lowering the elevation of an adjacent softball field and creating a newly vegetated wetland near the roadway embankment.



Ludlow Urban Systems



Industrial Park Access Road
Concord, Massachusetts



CENTRAL BUSINESS DISTRICT REVITALIZATION
Millbury, Massachusetts

The Town of Millbury directly engaged the services of our firm to assist in the grant application process and provide engineering services for the complete reconstruction of the \$1.4 million downtown street network. Our efforts on behalf of the town were successful in securing construction funds through the Urban Systems Program. Presently completed, this project was designed in accord with the Massachusetts Department of Public Works requirements and includes street reconstruction; curbing and brick sidewalk construction; utility adjustments, traffic signals, pedestrian amenities and landscaping.

COOPERATIVE ROADWAY RECONSTRUCTION PROGRAM
Department of Public Works
Town of Waterford, Connecticut

The Cooperative Roadway Reconstruction Program was initiated in 1977 by the Town to take advantage of rehabilitating town roads in coordination with ongoing sewer construction. The program includes complete reconstruction of the roads being sewerred, including grading, drainage and curbing. Approximately 25 miles of roads were reconstructed during Phase I, 1977 - 1983, at a cost of approximately \$8 million. This represents a 15 - 20% cost savings over reconstruction of the roads as a separate effort. Phase II of the program, which will continue through 1992, includes approximately 30 miles of roads, at a \$10 million cost.

The Phase II program incorporates an innovative pavement recycling program which will allow further savings in energy, material resources and construction costs. The prototype 1500 l.f. Jordan Terrace project involved placing 812 tons of a hot-recycled 35/65 blend of old pavement to new aggregate at an estimated savings of \$6,312 out of a total project cost of \$300,000. The Town intends to apply the recycling program to larger repavement projects -- including a portion of the 22-mile, \$2.5 million Niantic River Road reconstruction -- and expects to see greater cost savings when it embarks on a full-scale program.

The Cooperative Roadway Reconstruction Program is part of Hayden-Wegman's 20 years of continuous service to the Town of Waterford, involving the design and supervision of a variety of water supply, distribution and storage systems, sewers, pumping stations and resource recovery studies.

NATICK TRAFFIC SIGNALS (3 LOCATIONS)
Natick, Massachusetts

The City engaged the services of Hayden-Wegman to design the signalized intersections and approaches at Main Street and Central Street, Kendall Lane and West Central Street, and Hartford Street at Mill Street. The work included pavement widening, curb relocations, sidewalk replacement, handicap ramps, drainage and plantings. Design was completed in December 1986 with construction delayed due to a shortage of Urban System Funds.



Urban Systems Project
Millbury, Massachusetts





Cooperative Roadway Reconstruction Program
Waterford, Connecticut



HOPKINTON SIGNALIZATION

Hopkinton, Massachusetts

The Town hired Hayden-Wegman to provide plans and specifications to upgrade, modify and signalize the intersection of West Main Street and South Street. Improvements were required due to a substantial increase in development which uses this intersection as a primary access point. Design is complete and awaiting MDPW funding with construction completion scheduled for 1988.

STOW SIGNALIZATION

Stow, Massachusetts

Re-designed intersection of Great Road and Gleasondale for the installation of traffic signals including pavement widenings, curb relocation, and drainage additions. The project was totally town funded with design completed in December 1985 and construction, including our periodic monitoring, completed in October 1987.

RECONSTRUCTION OF BEHEN AND MARKET STREETS

Everett, Massachusetts

Hayden-Wegman is providing design and construction administration services for the reconstruction of 2,000 linear feet of roadway, drainage and sewer systems. Design is complete with the exception of an area where hazardous materials were encountered and this problem is being resolved by others. Construction is expected to be started and completed in 1988. These two streets were originally private, and now are being upgraded to and accepted as public roadways.

ROADWAY RECONSTRUCTION

Hartford, Connecticut

Hayden-Wegman was selected by the City of Hartford to design the first phase of a \$52 million road reconstruction project. The project required an accelerated schedule to complete design and construction management services for the construction of 17 miles of roadway on 56 streets throughout the City within 12 months. Incorporated in this project were extensive field survey requirements, existing condition evaluation of drainage and street appurtenances, pavement recycling studies, and street reconstruction design, as well as extensive coordination for simultaneous construction and management of at least 14 construction contracts.

Hayden Wegman's innovative trainee program, established as part of this major roadway reconstruction project, provided inner city youths with a rare opportunity to obtain "on-the-job" experience in surveying, engineering design and construction inspection.

RECONSTRUCTION OF OLD FIELD ROAD

Chicopee, Massachusetts

Hayden-Wegman was selected by the City of Chicopee to provide design and

construction service for the reconstruction of approximately 4,200 linear feet of roadway, including improvements to drainage, curbing, sidewalks and water and sewer utilities. Although five streets were designed, only Old Field Road was constructed due to lack of funds. Both design and construction was wholly funded by CDBG allotments.

PUBLIC WORKS ECONOMIC DEVELOPMENT PROGRAM

Watertown, Massachusetts

The Town of Watertown commissioned Hayden-Wegman Consulting Engineers to conduct a feasibility study for the design and construction of a central access road to the Walnut Street Industrial area. This area is located approximately one mile east of Watertown Square in the vicinity of Arsenal Street.

Desired industrial uses in this area were significantly hindered by previous land use permits which had allowed conflicting adjacent land uses, and inaccessible land-locked parcels to develop during the unplanned conversion of this area from a stockyard to manufacturing and warehousing after World War I. Due to the lack of a central access road to this area, a number of residential streets had become the trucking access to individual parcels, causing a problem for adjacent residents and creating a limitation to the overall development potential of the area.

Each of the central access road alternatives developed in the study provided direct access to Arsenal Street and addressed and resolved the adjacent neighborhood traffic concerns.

PAWTUCKETVILLE INDUSTRIAL PARK

Lowell, Massachusetts

The division of Planning and Community Development in Lowell selected our firm to design and supervise the construction of a complete industrial park on 200 acre tract of virgin land adjacent to the Pawtucketville Boulevard and Merrimack River. The planning and design efforts were extremely complex due to the site's proximity to the river and adjacent residential developments. The project included an extensive roadway network, water distribution system extension, self contained wastewater collection and treatment facilities; storm drainage collection system and other site modifications to provide suitable access and egress for traffic.

References

REFERENCES

Ms. Marie Buscanera
Director, Program Administration
Chelsea Redevelopment Authority
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Chelsea, Massachusetts 02150
617/884-5750

Mr. Robert J. Luongo
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Mayor's Office of
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City Hall
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Chelsea, Massachusetts 02150
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Commissioner
Public Works Department
City Hall Square
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617/722-5233

Richard Boutiette
Public Works Director
Town of Wakefield
One Lafayette Street
Wakefield, Massachusetts 01880
617/245-8877

Edward D. Steward
Director
Public Works Department
Waterford, Connecticut 06385
203/442-0309

Key Personnel

MICHAEL J. ANGIERI
Associate

EDUCATION B.S. Civil Engineering, Northeastern University, 1971
 M.S. Civil Engineering, Northeastern University, 1978

REGISTRATIONS Professional Engineer in Connecticut, Massachusetts, Rhode
 Island and New Hampshire

Registered Sanitarian in Massachusetts
Licensed Construction Supervisor in Massachusetts

JOINED OUR STAFF 1978

PROFESSIONAL
EXPERIENCE Mr. Angieri's experience covers a broad range of civil and
 environmental engineering projects. He has been responsi-
 ble for all phases of project development feasibility
 reports, facility planning, preliminary and final design
 and construction management for municipal and private
 clients. Due to the complexity of these projects, signif-
 icant contact with town, city and federal agencies, conser-
 vation and environmental organization was necessary to
 ensure orderly progression and timely completion. During
 the course of many of these assignments Mr. Angieri has
 prepared grant applications, permit applications and
 environmental notification forms.

Representative assignments include:

- ~ Project engineer for Millbury, Massachusetts, Urban
System Roadway Reconstruction Project;
- ~ Project engineer for Route I-84 preliminary design of
vertical and horizontal geometry;
- ~ Project manager for Temple Street roadway reconstruction
project for the Town of Spencer, Massachusetts;
- ~ Project engineer for the Constitution Beach, Fox Point
and Commercial Point CSO projects, involving hydraulic
analysis, facility design, permitting and public pre-
sentations;
- ~ Project manager for drainage, water system and roadway
improvements projects for the Town of Spencer, Massa-
chusetts;



MICHAEL J. ANGIERI

Page Two

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- ˘ Site evaluation, selection and development for a manufacturing facilities for Infinet, Inc. in North Andover and Andover, Massachusetts;
 - ˘ Project engineer for the MDC/Revere Pines River Flood Study/Pumping Station Report;
 - ˘ Project manager for a water quality impact assesment for extending a runway at Barnstable Municipal Airport, involving extensive ground and surface water sampling, evaluation of alternative drainage systems improvements, and recommendations for a monitoring program;
 - ˘ Project manager for water system improvements in Waterford and Simsbury, Connecticut and East Chelmsford, Mass.;
 - ˘ Project manager for the investigation of a 12-acre industrial site in the Boston area to determine the impacts of past chemical handling and disposal techniques on possible reuse of the site, involving inventory of chemicals and disposal methods, obtaining soil, water and sludge samples for analysis, and development of alternatives for remedial action;
 - ˘ Construction management for the rehabilitation of the reinforced concrete stadium at Fraser Field, Lynn, Mass.

SOCIETIES

Water Pollution Control Federation
New England Water Pollution Association

RICHARD L. STEWART
Civil Engineer

EDUCATION M.S., Civil Engineering, Northeastern University, 1986
 B.S., Civil Engineering, Northeastern University, 1977

JOINED OUR STAFF 1983

REGISTRATIONS Professional Engineer in Texas (1985), New York (1982), and Connecticut (1983)

PROFESSIONAL EXPERIENCE Mr. Stewart is a professional engineer experienced in the areas of transportation, flood control, and water distribution. He has managed roadway and land development projects from the preliminary design through the preparation of construction drawings and bidding documents.

Mr. Stewart's project experience at Hayden-Wegman is summarized as follows:

As the project Manager for two roadway projects in the Town of Groton, Connecticut, Mr. Stewart coordinated preliminary and final design with Town Officials, and supervised the development of street and drainage construction drawings for 10,700 feet of collector roadways.

Mr. Stewart was the Project Engineer for the Connecticut Department of Transportation Interstate 91 Reconstruction Project. The 100 million dollar project includes the complete reconstruction of over one mile of I-91, and the construction of over one mile of Interstate 291 with an interchange at I-91. Mr. Stewart was responsible for roadway and drainage construction drawings, and preparation of inland wetland permitting and design of mitigation measures.

Several other projects for which Mr. Stewart was Project Engineer include a flood control study, a water distribution study, and numerous hydraulic studies for bridge replacements.



RICHARD L. STEWART

Page 2

Mr. Stewart's experience while with other firms is summarized as follows:

As the Project Engineer for a roadway project in the City of Austin, Texas, Mr. Stewart supervised the development of street, drainage, and utility construction plans for 4,500 feet of divided roadway. As the Project Engineer for a 56-acre residential subdivision, Mr. Stewart was responsible for street, drainage and utility construction plans for 13,000 feet of roadway.

Other projects Mr. Stewart has gained experience on include five coastal Flood Insurance Studies for the Federal Emergency Management Agency, a Flood Control Project for the U.S. Army Corps of Engineers, a Dam Safety Investigation Project, and the analyses of numerous dams for Hydroelectric Power Development License Applications.

SOCIETIES

American Society of Civil Engineers
Boston Society of Professional Engineers

CORDIS M. YATES-THOMPSON
Civil Engineer

EDUCATION

B.S., Civil Engineering,
Prairie View A & M University, Texas, 1982

JOINED OUR STAFF 1987

**PROFESSIONAL
EXPERIENCE**

Ms. Yates-Thompson is currently working on the roadway reconstruction and drainage design for Waterford, Connecticut. She is responsible for the vertical and horizontal alignment and the storm drainage design of this 4,800 feet of roadway.

Prior to joining Hayden-Wegman, Ms. Yates-Thompson was employed by the City of Austin, Texas, Transportation and Public Services Department. She supervised three drafters and an Engineering Assistant to produce major capital improvement project plans involving roadway and drainage improvements. Additionally, she worked in-field making design changes and corrections to avoid construction delay of capital improvement projects.

While working for the Texas Department of Highways and Public Transportation in Houston, Ms. Yates-Thompson aided the Federal Highway Administration in estimating hurricane and flood damage; designed storm sewer systems; calculated earthwork quantities; and prepared specifications. She was also a team member for the design of traffic control plans for the construction of major high traffic thoroughfares.

Other areas of Ms. Yates-Thompson's expertise involve solid waste engineering; development of revised rate structures for landfill fees; initiation of an accounting system for landfill liner construction; and preparation of of a fiscal year budget for Refuse Disposal Activity.

SOCIETIES

Governmental Refuse Collection and Disposal Association
Tau Beta Phi - Engineering Honor Society
Alpha Kappa Mu - Honor Society for University Wide Academic Excellence

THOMAS ST. SAUVEUR
Civil Engineer

EDUCATION B.S.; Civil Engineering, Northeastern University, 1975

REGISTRATION Massachusetts, Rhode Island

JOINED OUR STAFF 1988

**PROFESSIONAL
EXPERIENCE** Mr. St. Sauveur recently joined our staff in our Transportation Division. He is currently working on Wakefield Intersection and Signalization Project, including curb realignments and stripping for traffic channelization. Additionally, he is involved in an urban renewal project in Lowell, Massachusetts.

 Prior to joining Hayden-Wegman, Mr. St. Sauveur was employed by Schoenfeld Associates, Inc., Consulting Engineers, Architects and Planners of Boston, Massachusetts. Some representative projects during his thirteen years with Schoenfeld are as follows:

 Project Manager for Off-System Bridge Inspection Program for the Massachusetts DPW. Responsible for coordinating field inspection assignments for approximately 300 bridges, supervising team personnel, performing inspections, coordinating office personnel in the preparation of inventory and inspection reports, preparing submittal packages for inspection data and determining which bridges require load capacity ratings.

 As Project Manager for the Bridge and Roadway Reconstruction Project for the Massachusetts DPW, he was responsible for the overall coordination of the project and the preparation of the design plans; specifications and cost estimate for the highway portion of the project.

 Roadway Intersection Reconstruction and Signalization Project for the Towns of Norwood and Westwood. Responsible for the preparation of plans, specifications and estimates according to Massachusetts DPW standards and the coordination with clients involved.

SOCIETIES American Society of Civil Engineers
 Boston Society of Civil Engineers

Affirmative Action



AFFIRMATIVE ACTION

Hayden-Wegman is an Equal Opportunity Employer with a formal Affirmative Action Policy, as presented on the following pages.

We are committed to carrying out this policy in terms of both in-house staff and the participation of MBE and WBE subconsultants.

In-House Staff

The following chart presents the female and minority make-up of the firm as a whole:

	OFFICERS/ MANAGERS	PROFESSIONALS	DRAFTERS/ TECHNICIANS	OFFICE/ CLERICAL	TOTAL
Total Employees	7 (1)	101 (6)	62 (3)	21 (3)	191 50**
Females	0	13 (1)	8 (1)	17 (3)	38
% of Total	0%	13%	13%	81%	20%
Minorities	0	14	12 (1)	7*	33*
% of Total	0	14%	19%	33%	17%
Combined % of Total	0%	27%	32%	90%	37%

* includes 5 minority females

** Boston Office Employees

() Boston Residents

Subconsultants

The majority of our projects include MBE and/or WBE subconsultants. Recent examples include:

- ~ ASEC Corporation (MBE) - Surveying
 - ~ Reconstruction of seven streets, City of Newton
 - ~ Fox Point/Commercial Point CSO Facility, MWRA
 - ~ Constitution Beach CSO Facility, MWRA
 - ~ Hoosac Pier Rehabilitation, MASSPORT
 - ~ Commonwealth Pier Rehabilitation, MASSPORT
 - ~ Sewer System Rehabilitation, City of Revere
 - ~ CSO No. 9, City of Providence
- ~ Bryant Associates (MBE) - Surveying
 - ~ Emergency Bridge Inspection Program, Connecticut DOT

- ˘ SZK and Company (MBE) - Engineers and Planners
 - ˘ Hydraulics for various Connecticut projects
- ˘ Reynolds Jurow Associates (WBE) - Public Participation
 - ˘ Fox Point/Commercial Point CSO Facility, MWRA
 - ˘ Constitution Beach CSO Facility, MWRA
- ˘ Schoenfield Associates (WBE) - Surveying
 - ˘ Emergency Bridge Inspection Program, Connecticut DOT
- ˘ Mistry Associates (MBE) - Structural Engineering
 - ˘ Inspection and Rating of 16 Bridges, MBTA
- ˘ Carol R. Johnson & Associates (WBE) - Landscape Architecture
 - ˘ Lynn Heritage State Park, City of Lynn
- ˘ Bristol County Blueprint Company (WBE) - Printing
 - ˘ Constitution Beach CSO Facility, MWRA
 - ˘ Sewer System Rehabilitation, City of Revere

SERVICES

**Transportation
Waste-to-Energy
Water Pollution Control
Water Supply
Solid/Hazardous Waste
Site Development
Municipal Services
Construction Management**

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Report Binder	
Stock No. /Color	
80571	Black
80572	Lt. Blue
80573	Dk. Blue
80578	Rust
80579	Exec. Red

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