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**Letter of Interest and  
Statement of Qualifications**

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**South End Urban Renewal  
Parcel 16  
Douglass Plaza**

October 1988





October 31, 1988

Boston Redevelopment Authority  
One City Hall Square - Room 943  
Boston, Massachusetts 02201

Attention: Mr. Paul Reavis  
Assistant Director for Engineering and Design Services

Subject: Parcel 16, Douglass Plaza

Dear Mr. Reavis:

Parsons Brinckerhoff is pleased to submit our qualifications to provide design and resident engineering services for Parcel 16 Improvements.

Parsons Brinckerhoff, a 100-year-old engineering firm, brings to this assignment strong technical capabilities, proven managerial skills, and a successful record in the planning, design and construction of infrastructure improvements, particularly in urban centers. Our staff of over 2,000 represents multidisciplinary capabilities and vast experience in all facets of civil engineering, site design, geotechnical engineering, environmental analysis, community participation programs, and full service construction management. Of particular relevance to this assignment is our past experience in the successful implementation of street and utility improvements for major developments in the City of Boston. We have built a strong reputation for technical excellence, clear understanding of the design and permit process and, probably most important, a close working relationship with the various city agencies and community groups involved in recent projects such as:

**Copley Place, Boston, Massachusetts:** For the Urban Development and Investment Company, Parsons Brinckerhoff provided professional design services for the \$500-million Copley Place project. The multi-use development complex is situated on a 10-acre site in the historic Back Bay area of Boston. The firm was responsible for the preliminary and final design of all site development work, including improvements to the surrounding street system, utility relocations, and civil and structural design of the relocated turnpike ramps, as well as access roadways to the parking garages and main entrances to the hotels. In addition, the firm performed traffic analyses and conducted field surveys and parking garage profiles. Parsons Brinckerhoff was responsible for developing traffic maintenance plans during construction for both turnpike and city street traffic and has provided resident engineering services during construction.

**Boston Naval Shipyard, Charlestown, Massachusetts:** For the City of Boston, Parsons Brinckerhoff provided planning, field survey, design and construction inspection for \$3 million of redevelopment of the Boston Naval Shipyard, including several miles of street reconstruction, utility relocation, new drainage system, sidewalks and landscaped public parks.





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**Southwest Corridor Project Parcel 18:** For the City of Boston, Parsons Brinckerhoff developed conceptual designs for alternative parcel, roadway, sidewalk, and utility layouts for the development of this important project in the South End. Parsons Brinckerhoff also is involved in the ongoing development and evaluation of alternative parking facility locations.

**75 State Street Development, Boston, Massachusetts:** For The Beacon Companies, Parsons Brinckerhoff designed site preparation for a 700,000 S.F. \$200-million office development in downtown Boston. This on-going work includes major utility relocations including a 1000-foot-long, 54-inch storm drain for the Boston Water and Sewer Commission, traffic maintenance plans, coordination with state and local agencies, obtaining environmental discharge permits, demolition plans for existing multi-story buildings, roadway reconstruction and resident engineering services during construction.

**Post Office Square Garage, Boston, Massachusetts:** Parsons Brinckerhoff is managing engineer for a seven-level, underground parking garage on a 1.7 acre site in the heart of downtown Boston's financial district. In addition to overall design team management, Parsons Brinckerhoff is providing civil, traffic and geotechnical engineering, constructibility review and utility relocations. The 1400-space garage topped with an urban park is scheduled to open in 1991.

We have designated and committed to this assignment seasoned professionals highly skilled in urban streetscape improvements. We are pleased to designate Andy Boyd, P.E., as project manager. Andy has over 16 years of experience, including the management of several major projects in the Boston area and elsewhere in New England. His involvement and leadership in projects such as the Copley Place, 75 State Street and other development projects provide him with the right skills and knowledge necessary for the successful implementation of this project.

To augment our resources, we have invited The Halvorson Company, Inc. to join our team for landscape architecture. The firm has strong credentials in their field with major assignments completed for the Post Office Square Park, street improvements on Boylston Street, 75 State Street, and Congress Street.

We believe the material contained in this submittal demonstrates our strong capabilities for this assignment. We are enthusiastic about undertaking this challenging project and look forward to the opportunity to provide these services to the Authority.

Very truly yours,

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.



Morris S. Levy, P.E.  
Senior Vice President

Enclosure







# EXPERIENCE AND QUALIFICATIONS

## SITE DEVELOPMENT

Parsons Brinckerhoff has extensive experience in the planning and design of infrastructure improvements for major developers and public agencies, including roadways and utilities. The following highlights our experience in this field:

### **Copley Place Development, Boston, Massachusetts**

#### **Relevant Project Features**

- . Multi-use development
- . Preliminary and final design for all site development work
- . Structural investigation
- . Mechanical/electrical engineering
- . Utility relocation
- . Traffic and parking analysis

#### **Project Description**

For the Urban Development and Investment Corporation, Parsons Brinckerhoff provided professional design services for the \$500-million Copley Place project. The multi-use development complex is situated on a 10-acre site in the historic Back Bay area of Boston. It includes a 750-room deluxe hotel; a 1000-room convention center/hotel; a retail mall featuring specialty stores; restaurants; theaters, an office complex; 100 housing units; and an underground parking facility.

The firm was responsible for the preliminary and final design of all site development work. This included improvements to the street system surrounding the complex, utility relocations, and civil and structural design of the relocated turnpike ramps, as well as access roadways to the parking garages and main entrances to the hotels.

In addition, the firm performed traffic analyses and conducted field surveys and parking garage profiles. Parsons Brinckerhoff was responsible for developing traffic maintenance plans during construction for both turnpike and city street traffic and has provided resident engineering services during construction. The firm has also completed preliminary investigations of alternative ventilation systems for the covered portion of the turnpike ramps and the railroad station under the complex.

### **Prudential Center, Boston, Massachusetts**

Parsons Brinckerhoff developed conceptual design for the infrastructure modifications required to accommodate the proposed Prudential Center Master P.Lan. This work includes revisions to the local street network, public and private utility distribution systems, Massachusetts Turnpike Authority facilities, and MBTA structures, as well as total resurfacing of the entire Prudential Center Development.



### **75 State Street Development, Boston, Massachusetts**

For the Beacon Companies Parsons Brinckerhoff designed site preparation for a 700,000 S.F. \$200-million office development in downtown Boston. This on-going work includes major utility relocations including a 1,000-foot-long, 54-inch storm drain for the Boston Water and Sewer Commission, traffic maintenance plans, coordination with state and local agencies, obtaining environmental discharge permits, demolition plans for existing multi-story buildings, roadway reconstruction and construction resident engineering services.

### **Post Office Square Garage, Boston, Massachusetts**

Parsons Brinckerhoff is managing engineer for a seven-level underground parking garage on a 1.7 acre site in the heart of downtown Boston's financial district. In addition to overall design team management, Parsons Brinckerhoff is providing civil, traffic and geotechnical engineering, constructibility review and utility relocations. The 1,400-space garage topped with an urban park is scheduled to open in 1991.

### **Rowes Wharf Development, Boston, Massachusetts**

Parsons Brinckerhoff provided engineering services for the design of site improvements required to accommodate the Rowes Wharf Development on Atlantic Avenue. This work included the redesign of a section of the new East Side Avenue Interceptor, modifications to the local street network, and private and public utility distribution systems and the development of utility service systems for the project.

### **Fan Pier Development, Boston, Massachusetts**

For HBC Associates, Parsons Brinckerhoff is developing conceptual design of roadways, utilities, bridges and marine structures for this major \$600-million residential, hotel, office and underground parking garage on the Boston waterfront. During the preliminary design, we are providing coordination for traffic impact studies, interface and the Central Artery/Third Harbor Tunnel Project and developing alternatives for an integral canal system and marina on the 18.5-acre site.

### **Pier 4 Development, Boston, Massachusetts**

For the Boston Mariner Co., Parsons Brinckerhoff, as a member of a multi-disciplinary team, is providing civil/site engineering services for a 16.4-acre waterfront site in Boston. The \$400-million Pier 4 Development will incorporate residential and office space, underground parking, harborwalk, marina, breakwater, and entry pool. Anthony's Pier 4 Restaurant will remain at the north end of the site. Civil/site development work includes construction of public and private streets and sidewalks, construction of a vertical end wall for the canal at the interface with the Fan Pier Development, removal of the sunken hull of the Peter Stuyvesant, construction of a breakwater, marina dredging, restoration of riprap dikes, and restoration of the seawall around Pier 4.





### **Boston Naval Shipyard, Charlestown, Massachusetts**

For the City of Boston, Parsons Brinckerhoff provided planning, field survey, design and construction inspection for \$3 million of redevelopment of the Boston Naval Shipyard, including several miles of street reconstruction, utility relocation, new drainage system, and landscaping.

### **Walker Building Rehabilitation, Boston, Massachusetts**

#### **Relevant Project Features**

- . Mixed-use development
- . Structural investigation and rehabilitation
- . Mechanical/electrical improvements
- . Historic landmark building
- . Courtyard and pedestrian-way renovated

#### **Project Description**

The landmark Walker Building, situated in Boston's Park Plaza where the Theater District and "Piano Row" overlap, is comprised of three adjacent buildings rising five, six, and ten stories. Parsons Brinckerhoff converted these structures to 150,000 square feet of modern commercial space, including 35,000 square feet of retail space on the upper floors. In addition to project development and financing, Parsons Brinckerhoff provided architectural, engineering, and construction management services.

The firm's comprehensive rehabilitation of the richly detailed 1901 limestone building included:

- . Complete interior renovation
- . Entrance/lobby renovation
- . Ornamental facade restoration
- . Improvements to the mechanical and electrical systems

### **Boylston Place, Boston, Massachusetts**

Boylston Place, a 19th century Back Bay residential street which Parsons Brinckerhoff renovated and converted into a landscaped shopping court and pedestrian way connecting some of the area's major developments, while maintaining the historic facade of the area buildings. The firm provided the design, engineering, and project management services for the restoration of Boylston Place.

### **Spaulding Mill Complex, Chicopee, Massachusetts**

#### **Relevant Project Features**

- . Conceptual design prepared
- . Mixed-use development project
- . Historical architectural features retained



## **Project Description**

Parsons Brinckerhoff prepared conceptual plans for the reuse of the Spaulding Mill Complex in downtown Chicopee, Massachusetts. The 4.8-acre site, located between Chicopee River and a working power canal, contains eight historically brick structures of various sizes and elevations.

Taking advantage of a new mixed-use zoning category, the plans include converting the majority of the space to residential uses, with appropriate ground-level retail activity in the two largest buildings. Special design consideration has been given to retaining historically important architectural elements and to creating open space and other amenities for the primarily residential development, while providing a viable and non-conflicting commercial atmosphere which interfaces with other downtown activities.

## **Site Development, Wellington Area Development, Medford, Massachusetts**

For the mixed-use development of the Wellington Circle area in Medford, Massachusetts, Parsons Brinckerhoff provided site access designs, and site engineering and cost estimates as part of a feasibility analysis of an air rights development. Additional responsibilities included traffic analysis and parking demand analyses. Specific tasks included trip generation forecasts; parking demand forecasts in terms of time and location; and conceptual lot and garage access and layout schemes based on parking demand projections.

## **Marginal Street, Chelsea, Massachusetts**

Parsons Brinckerhoff designed a one-mile reconstruction of Marginal Street, including full-depth pavement, drainage, traffic signals, sidewalks, street furniture, environmental permits, and signing. Project included removing and renovating a portion of a railroad within the roadway right-of-way and resident engineering during construction.

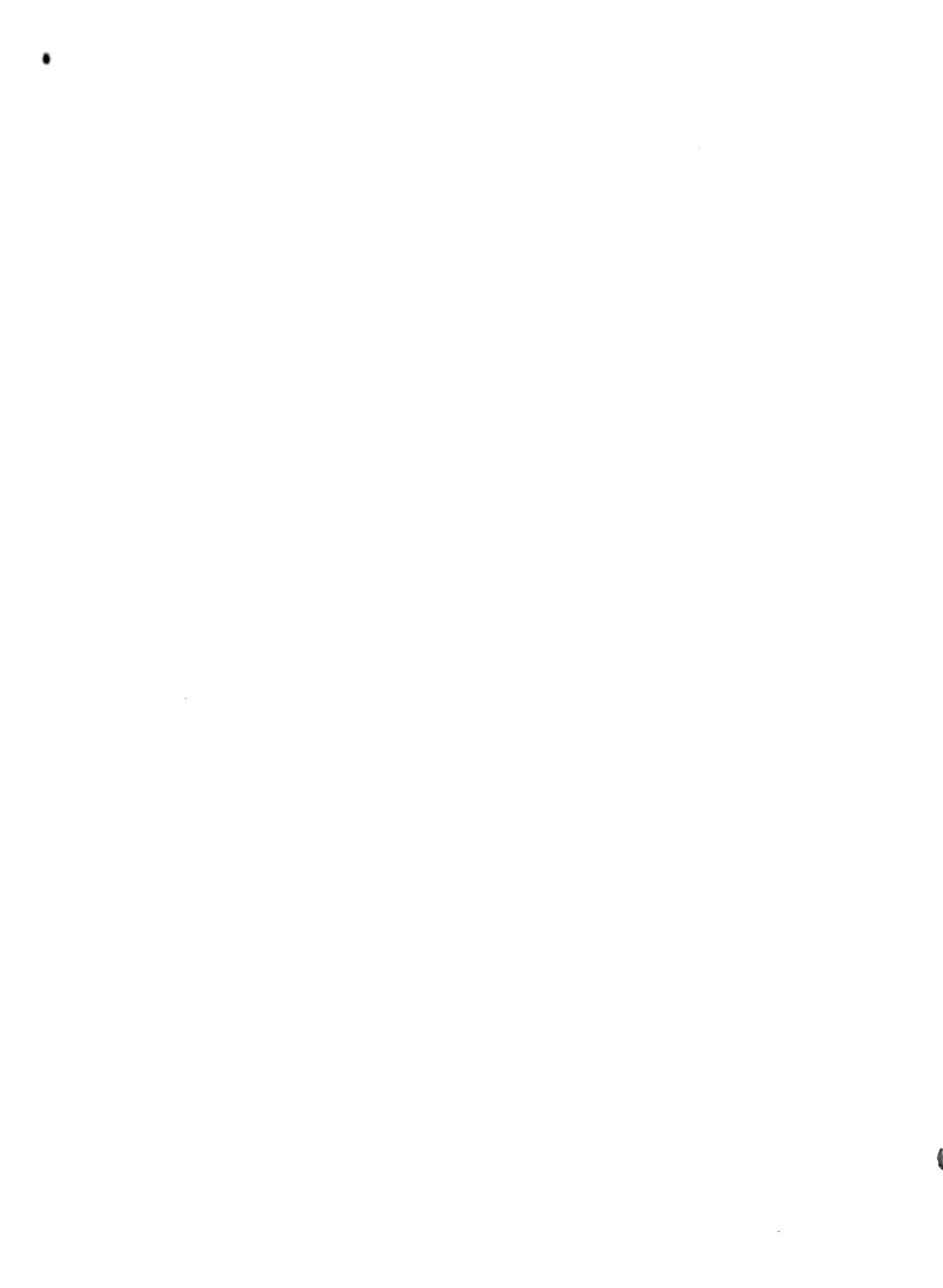
## **Centennial Land Development, Prince William County, Virginia**

### **Relevant Project Features**

- . 514-acre office park development
- . Services provided include:
  - Site conditions investigation
  - Utilities analyses
  - Transportation/access evaluation
  - Cost estimation

### **Project Description**

Parsons Brinckerhoff was retained by the Centennial Development Corporation to assess the feasibility of developing a 514-acre site in Prince William County, Virginia. The project site, commonly referred to as the "Marriott Site" and once thought of as a theme park location, is planned for a corporate office park. Four schemes were analyzed, and a recommendation made based upon quality engineering judgement and cost-effectiveness. The schemes were comprised



of various combination of three- to five-story office buildings, research and development buildings, industrial buildings, and a golf course.

The uniqueness of this site lies in its location. It is one of the first major sites to be developed in a rapidly expanding county. Flanked by I-66 to the south, Route 29 to the north, and the historical Manassas National Battlefield Park to the east, the ultimate development of the site will be based greatly on maintaining the historical and environmental integrity of the land.

For the report, Parsons Brinckerhoff was required to work in conjunction with a project team to determine anticipated land use and density within the site, and to assess utility needs to service these facilities.

The feasibility report performed by Parsons Brinckerhoff focused on the following:

- . Utilities: on-site and off-site public water, public sewage design, and electrical, gas, and telephone requirements.
- . Flood plain: analyzed county restrictions and methods to maintain acceptable flood plain elevation.
- . Site conditions: analyzed soil types, determined the most effective use; topography, vegetation.
- . Stormwater management: analyzed methods of maintaining surrounding conditions.
- . Transportation/access: studied adjacent roadway for site access, as well as internal roadway system for county requirements.
- . Cost estimating: based on Prince Williams County and Virginia Department of Highways and Transportation design/construction standards; cost of construction permits for site improvement; scheme cost (based on site preparation, sanitary sewer facility, public water facility, stormwater management, and internal road network).

### **Worldgate Development, Fairfax County, Virginia**

Parsons Brinckerhoff provided design engineering for off-site transportation improvements for the 94-acre, 2.8 million-square-foot development. The Worldgate Site is located between the southern corporate limits of Herndon and the Dulles Airport Access Top Road. Improvements are to include: Widening of Centreville Road to meet VDH&T requirements and projected traffic demands; reconstructing the Dulles Told Road and access road bridges for the Centreville Road lane changes; constructing Monroe Street bridges over Dulles Roads to meet lane changes; ramp improvements to effectively handle projected demands on the toll facility at Centreville Road.



## **Fairfax County, Virginia**

### **Relevant Project Feature**

- . 400-acre, mixed-use development
- . Services provided include:
  - Site investigation/mapping
  - Roadway alignment designs
  - Waste/water management systems design
  - Traffic studies
- . Extensive tree preservation program required

### **Project Description**

Parsons Brinckerhoff has been retained by Trammell Crow Company to provide engineering design for a 188-acre, mixed-use development in Fairfax County, Virginia. The work includes all site mapping, internal roadway alignment designs totaling nearly three miles, sanitary sewer design on-site and off-site, stormwater management and storm drainage facilities, site grading, concrete arch bridge structure, flood plain analyses, parcelization plans, erosion and sediment control plans, design of all on-site and off-site utility easements to include water, electric and cable television, and Virginia Route 50 improvements. Additionally, a comprehensive traffic analysis of on-site movements as well as regional impacts to the roadway system was performed. Extensive coordination of work with County and State officials was also required.

As part of the development work, an extensive tree preservation program and trail system was incorporated into the design. The stormwater management system incorporated into the site development a system of lakes, ponds and storage canals to meet county "Best Management Practices" required for the Occoquan Drainage Basin.

The facility is scheduled for phased development with full build-out in 1994. The total planned Gross Lease Area is approximately 2.5-million-square-feet.

## **Firehouse Block Project, Concord, New Hampshire**

### **Project Description**

Parsons Brinckerhoff was retained by Firehouse Block Associates to provide architectural design for a major mixed-use redevelopment project located one block west of the central business district and one block south of the state capitol. The project entailed conversion of the existing turn-of-the-century fire station into a combined community service center and residential complex; a six-story, 68-unit housing building; a cluster of 15 townhouses; and a municipal garage for 220 cars, replacing existing surface parking on the site.

Parsons Brinckerhoff worked closely with neighborhood residents, abutters, the downtown redevelopment corporation, and municipal and state agencies to solicit a wide range of viewpoints; the firm in conjunction with local officials succeeded in achieving an acceptable design. This





process was central to the design and, to a great extent, the overall project planning was greatly shaped by it.

The site uses are organized to orient municipal parking toward the downtown with housing on the opposite side of the site. The intent is to reinforce the edge of the adjacent residential area and thus discourage a trend toward commercial conversions. Parking for residents is located close to the housing but is on the interior side to preserve the residential character. A network of pathways is provided between structures, together with landscaped recreational open areas for both residents and passersby.

## **One Depot Square Rehabilitation, Concord, New Hampshire**

### **Relevant Project Features**

- . 100-year-old converted warehouse
- . Office/commercial development project
- . Construction management services provided

### **Project Description**

Parsons Brinckerhoff prepared plans for the conversion of a vacant, 100-year-old warehouse to an office and restaurant complex. In addition, the firm provided construction management services on the project.

The work was carried out while preserving the building's brick shell and wooden structure. Interior Wood and masonry surfaces were cleaned with water/chemical blasting, and the exterior brick was repointed and washed. A new elevator was installed along with new roofing, insulation, windows, and complete mechanical and electrical systems. Interior designs were developed to suite tenant requirements and areas were leased.

In the restaurant, large openings link the two floors for dining with intimate settings for small groups of tables. A greenhouse at one end of the building offers a garden-type atmosphere, which is reinforced by plantings within and a surrounding fully landscaped plaza. impressive record of accomplishments in urban design and planning including Liberty Square Park, the Boston Design Center, and Worcester Polytechnic Institute.



# Experience Matrix



	<i>Waterfront Rehabilitation</i>	<i>Multi-Use Development</i>	<i>Structural Engineering for Major Projects</i>	<i>Major Parking Garage</i>	<i>Site Development/Utilities</i>	<i>Environmental/Traffic Analysis</i>
Copley Place		●	●	●	●	●
Boston Naval Shipyard	●	●			●	
Hoosac Pier	●	●	●			●
Braintree Station Complex			●	●	●	●
Firehouse Block, Concord, NH		●		●	●	●
Castle Island Container Terminal	●		●		●	●
New York City Convention Center	●	●	●		●	●
Head of the Harbor Fish Pier	●		●		●	
Portsmouth Naval Shipyard	●					●
White Plains Parking Facility				●		●
Long Wharf Rehabilitation	●	●	●		●	
Portland, Maine Fish Pier Project	●		●		●	●
North Haven Mall Development	●	●				●
Casco Bay Ferry Terminal	●				●	●
North End Parking Garage				●	●	●
Harvard Square Station			●		●	



# REFERENCES

## PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.

Ms. Judith McConnell  
City of Chelsea  
Office of Community Development  
Room 101  
500 Broadway  
Chelsea, Massachusetts 02150  
(617) 889-0700

Peter McNulty  
Director of Construction  
Massachusetts Bay Transportation Authority  
Ten Park Plaza  
Boston, Massachusetts 02116  
(617) 722-3116

Ms. Jane Chmielinski  
Environmental Coordinator  
Massachusetts Bay Transportation Authority  
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(617) 722-3122

Wallace Orpin  
Director of Engineering  
Boston Redevelopment Authority  
1 City Hall Plaza  
Boston, Massachusetts 02109  
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David Lenhardt  
Parks Engineering  
Metropolitan District Commission  
20 Sommerset Street  
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Rudi Umsheid  
Senior Vice President  
Urban Investment and Development Co.  
One Copley Place - Suite 600  
(617) 262-6600

James Rich  
Vice President - Operations Manager  
Turner Construction Company  
38 Newbury Street  
Boston, Massachusetts 02116  
(617) 421-5743



**Representative Projects and References: Urban Design and Planning**

The Halvorson Company, Inc. provides comprehensive professional services for a variety of projects ranging from small urban neighborhood street redevelopment projects to major downtown revitalization projects.

The services that The Halvorson Company, Inc. can provide include:

- \* Site inventory, condition assessment and mapping
- \* Site analysis, programming and feasibility studies
- \* Master planning
- \* Conceptual design and schematic design
- \* Detail design development and cost estimating
- \* Contract and bid document preparation
- \* Construction observation and post-installation evaluation

Clients for these and related services include city and municipal governments and agencies, institutions, architects and engineers, and private development corporation. The following is a representative list of projects and clients:

\* PUBLIC FACILITIES DEPARTMENT

Urban design and streetscape development including street furniture lighting and planning in a variety of Boston neighborhoods.

West Broadway Street Improvements  
Hyde Square Improvements Project  
Roslindale Square Improvements Project  
Dorchester Lower Mills Phase I Improvements Project  
Dorchester Lower Mills Phase II Improvements Project  
Grove Hall Vest Pocket Park Design Study  
Cleary Square Streetscape Improvements

Ms. Stephanie Bothwell  
Development Division  
Public Facilities Department  
City of Boston  
15 Beacon Street, 10th Floor  
Boston, Massachusetts 02108  
(617) 720-4300 ext. 345

\* KENDALL SQUARE - Cambridge, Massachusetts

Site Preparation Contract # 12  
Site Preparation Contract # 13  
Site Preparation Contract # 14  
Site Preparation Contract # 15  
Property Management Contract #8  
Property Management Contract #9





Mr. Thad Tercyak, Deputy Director  
Cambridge Redevelopment Authority  
336 Main Street  
Cambridge, Massachusetts 02142  
(617) 492-6800

\* **MERCHANTS ROW AT 75 STATE STREET**  
Boston, Massachusetts

Mr. David Lash  
The Beacon Companies  
One Post Office Square  
Boston, Massachusetts 02109  
(617) 451-2100

\* **BOYLSTON STREET SIDEWALK IMPROVEMENTS**  
Boston, Massachusetts

Mr. Peter Scarpignato  
Department of Public Works  
City of Boston  
Room 710, City Hall  
Boston, Massachusetts 02201  
(617) 725-4968







# KEY PERSONNEL

Parsons Brinckerhoff will perform the engineering services for the Shawmut Avenue Improvements with a Boston based project team. The team, under the direction of our project manager, Andy Boyd, will include all technical and support personnel required for the successful completion of this important project.

Parsons Brinckerhoff's project organization has been established to provide in a timely manner the design and contract documents for streetscape improvements that are attractive, functional and compatible with the continuing development in the South End.

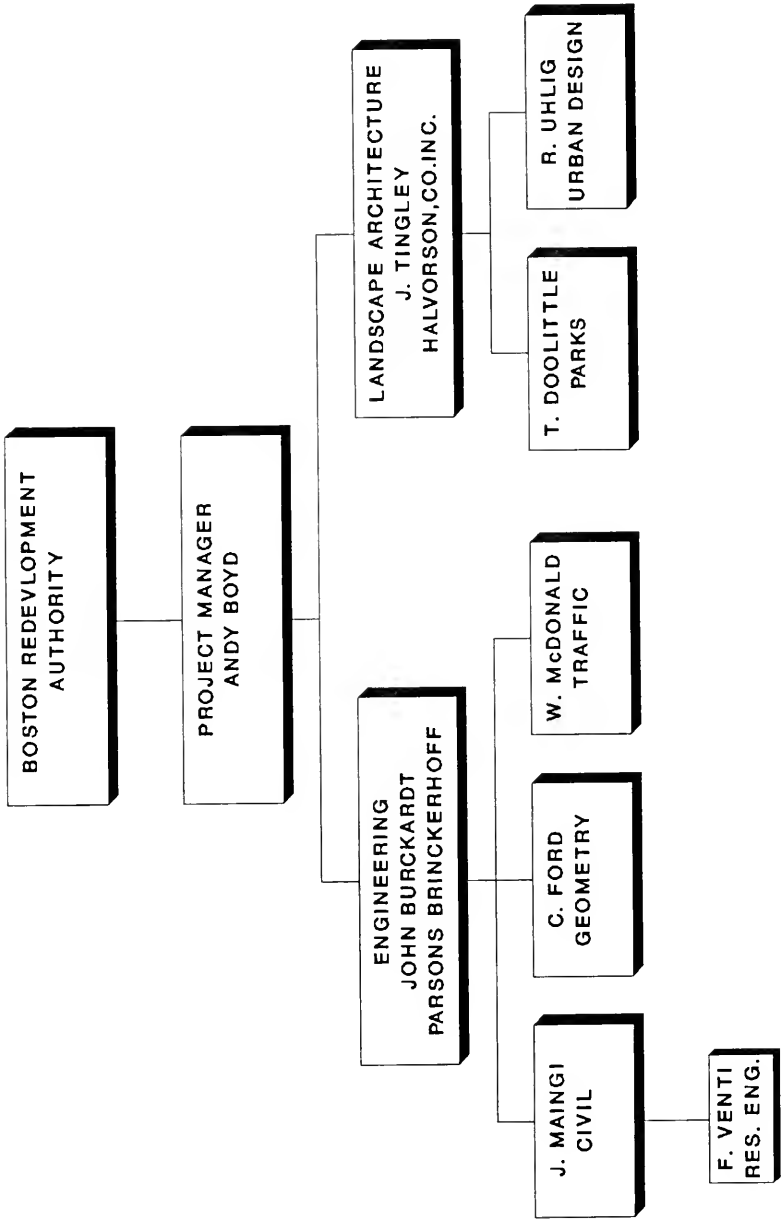
Key staff personnel designated for this project are indicated on the project organization chart on the next page. Resumes for these individuals follow.

We have included Earl R. Flansburgh & Associates, Inc. to assist us in the area of landscape architecture. The firm has interfaced with Parsons Brinckerhoff on the 75 State Street project and more recently the Post Office Square Garage project.



# SOUTH END URBAN RENEWAL

PARCEL 16 DOUGLASS PLAZA







**MORRIS S. LEVY**

Senior Vice President

**ASSIGNMENT:** Principal-in-Charge**EDUCATION:** Khartoum University, B.S.C.E., 1951  
Columbia University, M.S.C.E., 1964**PARSONS BRINCKERHOFF****RELEVANT EXPERIENCE**

Mr. Levy currently directs all planning and design activities in the firm's Boston office. He has over 15 years of extensive experience in many facets of engineering, including highways, bridges, rapid transit projects, port and marine facilities, and building structures. Recent major projects he directed include the following: Copley Place Project, Boston, site improvements for the \$400 million mixed use development; Rowes Wharf, Boston, design review and value engineering services for the waterside and landside structures including wharf structures, steel H-piles and steel sheet pile bulkhead, drilled piers, and slurry walls; and Fan Pier, Pier 4, infrastructure improvements for two major waterfront developments in Boston. He currently serves as Principal for the Post Office Square Underground Parking Garage and for the multi modal transportation improvements at North Station.

**ANDREW B. BOYD**

Senior Civil Engineer

**ASSIGNMENT:****EDUCATION:** Northeastern University, B.S.C.E., 1974**PARSONS BRINCKERHOFF****RELEVANT EXPERIENCE**

Andy has over 14 years of experience including responsibility for site/civil engineering improvements for the \$400 million Copley Place development including streets, utilities, lighting, and structures as well as owner, contractor, architect, and agency coordination; conceptual site/civil engineering of all infrastructure modifications required to accommodate the proposed Prudential Center Master Plan including streets, structures, and utilities and coordination with architects, other consultants, contractor, owner, and local agencies; site/civil engineering of major infrastructure modifications including streets and utilities for the East Side Interceptor, and coordination with the developer, architect, and all public agencies for the Rowes Wharf Development, Boston; site/civil engineering of all infrastructure modifications and site improvements from initiation of environmental review process through construction for the State Street Development, Boston; and site/civil engineering of all infrastructure modifications and site improvements for the Post Office Square Garage Project, Boston.



**ROBERT P. RAWNSLEY**

Geotechnical Engineer

**ASSIGNMENT:** Geotechnical

**EDUCATION:** Northeastern University, B.S.C.E., 1977  
Northeastern University, M.S.C.E., 1981

**PARSONS BRINCKERHOFF**

## **RELEVANT EXPERIENCE**

Mr. Rawnsley with over 8 years of experience has been involved in the analysis, design, and construction of a variety of projects, including cut-and-cover tunnels utilizing a slurry wall, deep foundations consisting of piles and caissons for various structures, approach embankments over deep sensitive soils, and facility planning for an ocean outfall in the Boston area. He served as geotechnical Engineer for the facility planning for a 4 1/2-mile ocean outfall, including diffuser planning, cost estimating, and overall evaluation of the cut and cover alternative for the Deer Island Wastewater Treatment Plant, Winthrop, Boston, and bulkhead design for pier rehabilitation in Charlestown and Quincy for the MWRA. Geotechnical Engineering for the replacement of the \$11 million North Station Railroad Trestle, including evaluation and load testing of existing timber pile bents and design of new piers, abutments. Geotechnical Engineer for the collection, reduction, and evaluation of data for the construction of the new Harvard Square Station on the Massachusetts Bay Transportation Authority (MBTA) northwest corridor extension.

**WILLIAM H. MCDONALD, P.E.**

Lead Civil Engineer

**ASSIGNMENT:** Traffic Engineering

**EDUCATION:** University of Vermont, B.S.C.E., 1976

**PARSONS BRINCKERHOFF**

## **RELEVANT EXPERIENCE**

Mr. McDonald has 12 years of experience in the Traffic and Transportation area including: design through construction of over 90 signalized intersections; traffic engineering for the Post Office Square Garage; D.E.I.R. traffic engineering for the 10 & 40 Second Avenue, Waltham 325,000 s.f. office building; Project Manager for the reconstruction of Andover Street in Lowell; Transportation Project Manager for the Exxon LaBarge \$880 million natural gas processing plant located in LaBarge, Wyoming; consultant to the F.H.W.A. on the interim Highway Capacity Manual - 1980; conducted traffic impact studies in over 25 states; traffic engineer for the MBTA proposed underground parking garage located adjacent to the Boston Garden; traffic signal systems for isolated intersections; computer programs for statistical and geometric design packages; transportation planning projects for both public and private sector clients; rehabilitation of limited access highways including capacity and level of service calculations, evaluation of both operational and geometric characteristics, freeway accident analysis, traffic assignments and the development of alternative concept solutions. While employed by another firm, he was responsible for a traffic and parking study at Wonderland Station for the MBTA. He was the joint venture project manager for the Wonderland 21-E site feasibility study, including traffic analyses on Route 1A.



**CARRIE C. FORD**

Civil Engineer

**ASSIGNMENT:** Civil Engineer

**EDUCATION:** Northeastern University, B.S.C.E., 1988

**PARSONS BRINCKERHOFF**

**RELEVANT EXPERIENCE**

Carrie is a Junior Civil Engineer who has worked on the following assignments: for the MWRA's On-Shore Marine Transportation Facility she was involved in the preparation of Water Quality Certificates and MPDES permits for two ferry terminals; prepared preliminary analysis and design of a combined sewer system for the Fan Pier project; inventoried drainage along the 30-mile New Hampshire Main Line railroad and developed necessary drainage improvements; and for Route 2/1-84 in Connecticut prepared final highway design including geometrics, drainage, cost estimates and permits.

**FRANK V. VENTI**

Civil Engineer

**ASSIGNMENT:** Construction Supervisor

**EDUCATION:** Wentworth Institute, A.S.C.E., 1968

**PARSONS BRINCKERHOFF**

**RELEVANT EXPERIENCE**

Mr. Venti has extensive experience in construction supervision and resident engineering. He served with the GSA performing contract compliance; for private contractors prepared bid take-off and cost estimates for city streets, layout of piles, new pipelines and structures. He also served as resident engineer for 8 sewer contract in Marshfield and a deep sewer project in Hull. Recent experience includes the Neponset River Bridge for the Metropolitan District Commission and two bridge raising over Conrail in Framingham.



**JOHN M. MAINGI**

Civil Engineer

**ASSIGNMENT:** Civil Engineer**EDUCATION:** Northeastern University, B.S.C.E., 1987**PARSONS BRINCKERHOFF****RELEVANT EXPERIENCE**

Since joining Parsons Brinckerhoff, John has been responsible for several civil engineering assignments including: widening of I-93 in Manchester, NH where he developed horizontal and vertical geometrics using computer programs and was involved in the production of CADD for this project; Brightman Street Bridge in Fall River-prepared preliminary cost estimate for bridge, roadway and ramp network. His site development work includes several Boston project where he prepared grading plans, utility modifications, roadway and sidewalk reconstruction, as well as city standard Public Improvements Plans (PIC). He provided construction inspection for 75 State Street and prepared geometrics for the proposed Post Office Square underground Parking Garage.

**JOHN F. BURCKHARDT**

Civil Engineer

**ASSIGNMENT:** Civil Engineer**EDUCATION:** Northeastern University, B.S.C.E., 1977

Northeastern University, M.S.C.E., 1986

**PARSONS BRINCKERHOFF****RELEVANT EXPERIENCE**

John is a lead civil engineer with over 11 years of experience on a variety of assignments. For L.L. Bean in Freeport, Maine, he served as project civil engineer for a 700-car parking lot and roadway relocations. For the Charlestown Navy Yard, he served as project civil engineer for a bus and truck garage, vehicle maintenance facility and reconstruction of adjacent streets. For the Westford Technology park, he was project engineer for a 90-acre office/research park. He designed roadways, drainage, utilities and hydrologic analyses. Other civil assignments include I-95/Route 128, Peabody; Post Office Square, Boston; Raytheon Building 4 in Portsmouth, Rhode Island; and MBTA Station Modernization on the Red Line.





**JOHN TINGLEY**

Principal

Mr. Tingley was graduated from the University of Toronto in 1973 with a Bachelor of Landscape Architecture degree. Prior to studying at Toronto, he attended the University of Minnesota and worked for several architectural and landscape architectural firms in the Minneapolis area.

After graduation, Mr. Tingley was employed by the Office of Terrance J. Boyle, a landscape architectural firm in Burlington, Vermont. He joined Carol R. Johnson & Associates, Inc. of Cambridge, Massachusetts in 1973, becoming an Associate in 1978. Mr. Tingley maintained his own consulting practice from 1980 to 1982. He joined The Halvorson Company, Inc. as a Senior Associate in 1982, becoming a Vice President in 1986. Mr. Tingley's responsibilities have included all phases of design, construction documentation and supervision, project management and administration and the firm's management. His work has included a wide range of both public and private streetscape design projects.

Mr. Tingley is a registered landscape architect in the Commonwealth of Massachusetts and the State of Rhode Island.



**THOMAS R. DOOLITTLE**

Associate

Mr. Doolittle was graduated from the College of Architecture and Planning at Ball State University, Muncie, Indiana, in 1983 with a degree of Bachelor of Landscape Architecture. He was selected Outstanding Senior in Landscape Architecture and received the Certificate of Merit from the American Society of Landscape Architects. He was also elected to membership in the Sigma Lambda Alpha, the national honor society of Landscape Architects, and was a graduate of the University's Honors College.

After graduation, Mr. Doolittle joined the firm of CR3, Inc., Landscape Architects/Land Planners of Simsbury, Connecticut. After a year with the firm, he was promoted to the position of project manager, responsible for conceptual, schematic, and detail design, preparation of contract documents, project management and administration and client coordination. He worked on a broad variety of project types including institutional, commercial, recreational and housing projects.

Mr. Doolittle joined The Halvorson Company, Inc. in 1985 as a staff landscape architect, becoming an Associate in 1988. His responsibilities include project administration and management, site design and construction document preparation. He is a Registered Landscape Architect in the Commonwealth of Massachusetts, and the State of Connecticut, and is a member of the American Society of Landscape Architects.



**ROBERT R. UHLIG**

Mr. Uhlig was graduated from the School of Design at North Carolina State University, Raleigh, North Carolina, in 1984 with a Bachelor of Environmental Design in Landscape Architecture degree. He was the recipient of the Certificate of Merit for Excellence in the study of Landscape Architecture from the American Society of Landscape Architecture.

In September of 1984, Mr. Uhlig joined the Landscape Architecture/Planning/Urban Design firm of Stephenson and Good, of Washington, D.C. Mr. Uhlig's responsibilities included site design, client coordination, presentation drawings and construction documents. He was involved in a wide range of projects, from a corporate campus landscape design to urban streetscape development and site design for various institutional projects.

Mr. Uhlig joined The Halvorson Company, Inc. in 1986 as a staff landscape architect with responsibilities for site design and construction document preparation for several urban streetscape projects.



# ABILITY TO COMPLETE SERVICES

Parsons Brinckerhoff has the capability and available resources to expeditiously provide the necessary services for the Parcel 16, Douglass Plaza Project. We offer the following:

- . Available and skilled personnel in all the required disciplines.
- . Familiarity with the context of urban improvements in the City of Boston.
- . On-going project team in place providing similar site development services means we can start immediately with minimal start-up costs.
- . Proven record of accomplishment, design excellence, innovation, and quality service to a variety of clients in Boston.









# RESIDENCY AND AFFIRMATIVE ACTION COMPLIANCE

At Parsons Brinckerhoff, our Affirmative Action Program consists of three areas in which we focus attention: employees, minority business enterprise, and suppliers. Our employee Affirmative Action Policy promotes the principle of Equal Employment Opportunity. Accordingly, all recruiting, hiring, and promoting for all job classifications are made without regard to race, color, religion, marital status, age, sex, national origin, ancestry, or handicap.

Our focus during the last several years has been on training and promoting from within. We have conducted a work study program with local universities in which a significant number of students were minorities and women. We believe that this is the most effective way to increase the pool of qualified candidates. We have also participated actively with Northeastern University in introducing minority high school students to the engineering and architectural profession. In addition, we employ minority trainees in drafting and surveying. The results of this program are evaluated and updated yearly.

Our Minority Business Enterprise program consists of continual monitoring of sources of information about minority firms that are qualified to participate in our work effort. Whenever possible, we include minority subcontractors in our proposals. We are always alert to new firms and immediately initiate contacts about future work. This effort has enabled us to field, not only the most qualified technical team, but to include qualified minority associates.

Also, to the extent possible within the time and scope limitations of this project, we would seek and identify opportunities to utilize minority vendors needed in various areas. Such areas would include office suppliers, printing and reproductions as well as other related services. In addition, we recently established an account with the Boston Bank of Commerce, a minority enterprise.

As we have done on similar Boston projects, we will bring those Boston area students who express interest in engineering, or architecture into the actual design process. These students will work with the professional staff and participate in the development of the project.



Parsons Brinckerhoff's Affirmative Action statistics are presented below. These figures, current as of April 1987, indicate that the minorities/females comprise 13 percent of the firm's managerial level staff, 40 percent of the professional level staff, and 50 percent of the technical level staff. Overall figures indicate that over 40 percent of the staff are minority/female. This table emphasizes our commitment to Affirmative Action and, further, that we have implemented the program successfully.

## PARSONS BRINCKERHOFF AFFIRMATIVE ACTION STATISTICS

### Number of Employees

JOB CATEGORIES	Totals	M/W	M/B	M/H	M/A	M/I	F/W	F/B	F/H	F/A	F/I
Officials and Managers	378	330	3	10	27	-	7	1	-	-	-
Professionals	642	384	20	13	89	2	111	6	5	12	-
Technicians	269	135	10	14	29	1	65	6	5	4	-
Office and Clerical	180	15	4	3	1	-	100	37	8	11	1
Total	1,469	864	37	40	146	3	283	50	18	27	1

M - Male      W - White      A - Asian or Pacific Islander  
 F - Female    B - Black      I - American Indian or Alaskan Native  
                   H - Hispanic



AFFIRMATIVE ACTION  
POLICY STATEMENT

It is, and shall continue to be, the policy of PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. to eliminate and avoid discrimination against any employee or applicant for employment because of race, color, religion, marital status, age, sex, sexual orientation or affectional preference, national origin, ancestry, or handicap.

It is, and shall continue to be, the policy of PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. to base all decisions concerning employment so as to promote the principle of Equal Employment Opportunity. Accordingly, all recruiting, hiring and promoting for all job classifications will be made without regard to race, color, religion, marital status, age, sex, sexual orientation or affectional preference, national origin, ancestry, or handicap (except in the case of a bona fide occupational qualification). Only valid requirements for promotional opportunities are imposed.

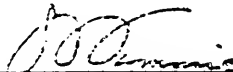
We shall make every effort to ensure that all personnel actions, including, but not limited to, classifications, compensation, benefits, recruitment, transfers, promotions, layoffs and rehires from layoffs, company-sponsored social recreational programs and facilities will be administered without regard to race, color, religion, marital status, age, sex, sexual orientation or affectional preference, national origin, ancestry, or handicap (except in a case of bona fide occupational qualification).

The Board of Directors of the firm and its officers are familiar with, and support completely, all elements of the Affirmative Action Program.

APPROVED:

1/20/88

Date



James L. Lammie, President





## AFFIRMATIVE ACTION POLICY/PLAN STATEMENT

The Halvorson Company, Inc. hereby adopts the following Affirmative Action Policy and Plan:

### A. General

1. The Halvorson Company, Inc. will not discriminate against any employee or applicant for employment because of race, creed, color, national origin or sex. The Halvorson Company, Inc. will take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to their race, creed, color, national origin or sex. Such action shall include but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment/advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Halvorson Company, Inc. agrees to post in conspicuous places, available to employees and applicants for employment, the provisions of this non-discrimination policy.
2. The Halvorson Company, Inc. will, in all solicitations or advertisements for employees placed by or on behalf of The Halvorson Company, Inc., state that all qualified applicants will receive consideration for employment without regard to race, creed, color national origin or sex.
3. The Halvorson Company, Inc. will permit access to all books, records, and accounts pertaining to its employment practices by the Federal, State or Local Offices of Human Rights, their representatives, Contracting Officers, or agents for purposes of investigation to ascertain compliance with this provision.

### B. Utilization of Minority Business Enterprises

1. It is the policy of The Halvorson Company, Inc. that minority business enterprises shall have the maximum practicable opportunity to participate in the performance of its contracts.
2. The Halvorson Company, Inc. agrees to use its best efforts to carry out this policy in the award of its sub-contracts to the fullest extent consistent with the efficient performance of its contract work.



EMPLOYEE CLASSIFICATION MATRIX

CLASSIFICATION	TOTAL EMPLOYEES		TOTAL MINORITY		PERCENT	
	M	F	M	F	M	F
LANDSCAPE ARCHITECTS (REGISTERED)	6	2	0	0	75	25
TECHNICIANS	4	4	0	1	44	56
CLERICAL	0	3	0	0	0	100
TOTALS	10	9	0	1	50	50



C Applicability to Sub-Contracts

1. The Halvorson Company, Inc. will include the provisions of the foregoing paragraphs in every sub-contract, unless superceded by rules, regulations or orders of the Federal, State or Local Government, so that such provisions will be binding upon each sub-contractor or vendor.

By:   
Craig C. Halvorson

Date: 10/26/1988



SF 254

Parsons  
Brinckerhoff





Standard Form 254  
**HIGHWAYS**

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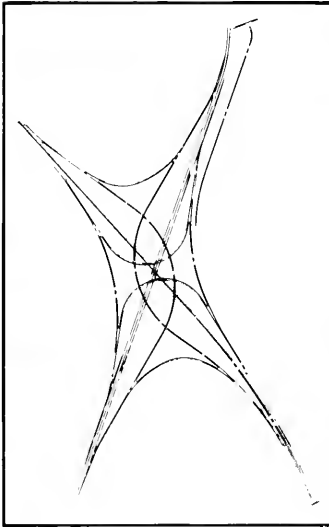
PARSONS BRINCKERHOFF



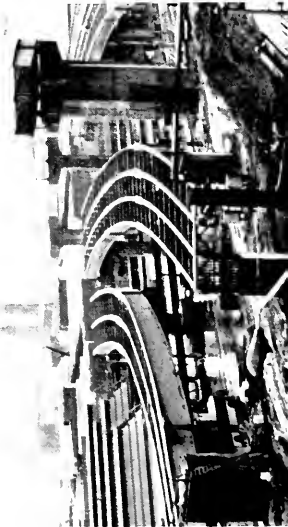
Interstate Route H-3, Oahu, HI. (Above and below.)



Computer-Aided Design and Drafting Equipment Used in Highway and Bridge Design.



I-310/U.S. 61 Interchange, New Orleans, LA.



254

Architect-Engineer  
and Related Services  
Questionnaire

1. Firm Name/Business Address

Parsons Brinckerhoff Quade & Douglas, Inc.  
120 Boylston Street  
Boston, MA 021162. Year Present Firm  
Established:

1885

3. Date Reported:

January 1988

4. Specify type of ownership and check below, if applicable.  
Privately-owned Corporation

- A. Small Business  
B. Small Disadvantaged Business  
C. Woman-owned Business

1a. Submittal is for  Parent Company  Branch or Subsidiary Office

5. Name of Parent Company, if any:

Parsons Brinckerhoff Inc.  
One Penn Plaza, 250 W. 34th Street  
New York, New York 10119

5a. Former Parent Company Name(s), if any, and Year(s) Established

William Barclay Parsons/1885  
Barclay Parsons & Klapp/1910  
Parsons Klapp Brinckerhoff & Douglas/1918  
Parsons Brinckerhoff Quade & Douglas/1961

6. Names of not more than Two Principals to Contact: Title/Telephone

- 1) **Morris S. Levy, Senior Vice President**, (617) 426-7330  
2) **Anthony Centore, Manager of Business Development**, (617) 426-7330

7. Present Offices: City/State/Telephone/No. Personnel Each Office

Albuquerque, NM	(505) 265-8431	11	Honolulu, HI	(808) 531-7094	26	Pittsburgh, PA	(412) 281-9900	37
Alliant, GA	(404) 688-6445	206	Houston, TX	(713) 497-2392	74	Sacramento, CA	(916) 925-5535	24
Austin, TX	(512) 328-1012	18	Los Angeles, CA	(213) 612-7000	55	San Bernardino, CA	(714) 889-4878	22
Baltimore, MD	(301) 727-5050	11	Louisville, KY	(502) 499-1533	5	San Francisco, CA	(415) 474-4500	100
Boston, MA	(617) 426-7330	62	Miami, FL	(305) 591-2122	3	Seattle, WA	(206) 624-3571	87
Chicago, IL	(312) 782-8150	58	Midvale, UT	(801) 255-8942	6	Tampa, FL	(813) 229-3964	13
Columbus, OH	(614) 451-9915	8	Newark, NJ	(201) 623-4466	3	Tempe, AZ	(602) 966-8295	38
Dallas, TX	(214) 263-7693	116	New Orleans, LA	(504) 523-7866	46	Trenton, NJ	(609) 737-8484	138
Denver, CO	(303) 297-0900	23	New York, NY	(212) 613-5000	513	Tucson, AZ	(602) 882-6424	25
Glastonbury, CT	(203) 659-3789	8	Norfolk, VA	(804) 466-1732	15	Washington, DC	(202) 862-7536	6
Herdon, VA	(703) 478-0070	168	Orange, CA	(714) 973-4880	31	International	(212) 613-5000	416
			Philadelphia, PA	(215) 735-1457	17			

7a. Total Personnel 2389

8. Personnel by Discipline: List each person only once, by primary function.)

( ) = Boston Staff

207 Administrative (3)	123 Electrical Engineers	10 Marine Engineers	39 Accountants
51 Architects	20 Estimators	39 Schedulers/Project Controllers (3)	67 CADD/Computer Specialists
2 Chemical Engineers	32 Geologists (1)	1 Oceanographers	66 Construction Managers (1)
340 Civil Engineers (13)	19 Hydrologists	73 Planners: Urban/Regional (1)	16 Environmental Scientists
98 Construction Inspectors	1 Interior Designers	8 Sanitary Engineers (1)	2 Nuclear/Hazardous Waste
213 Draftsmen (10)	3 Landscape Architects	23 Soils Engineers (4)	17 Railroad Engineers (1)
1 Ecologists	155 Mechanical Engineers	13 Specification Writers (1)	83 Support Services
12 Economists	33 Mining Engineers	244 Structural Engineers (19)	145 Technical Support
		19 Surveyors	42 Technical Writers/Designers
		87 Transportation Engineers (1)	85 Word Processors (3)

9. Summary of Professional Services Fees

Received: (Insert index number)  
Direct Federal contract work, including overseas  
All other domestic work  
All other foreign work\*

Last 5 Years (most recent year first)

19	86	19	85	19	84	19	83	19	82
	6		6		6		5		5
	8		8		8		8		8
	6		6		6		6		6

Ranges of Professional Services Fees

INDEX	1	Less than \$100,000
	2	\$100,000 to \$250,000
	3	\$250,000 to \$500,000
	4	\$500,000 to \$1 million
	5	\$1 million to \$2 million
	6	\$2 million to \$5 million
	7	\$5 million to \$10 million
	8	\$10 million or greater

\*Firms interested in foreign work, but without such experience, check here:

10. Profile of Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 011	106	21920	11)			21)			21)		
2) 021	62	39763	12)			22)			22)		
3) 033	66	5542	13)			23)			23)		
4) 046	115	47252	14)			24)			24)		
5) 107	246	8793	15)			25)			25)		
6) Others	759	344112	16)			26)			26)		
7)			17)			27)			27)		
8)			18)			28)			28)		
9)			19)			29)			29)		
10)			20)			30)			30)		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
011	P	1 Emergency Bridge Repair Inspection, Testing, Design, and Construction Management Statewide, CT	State of Connecticut Department of Transportation Wethersfield, CT	1,600 (fee)	1986
011	P	2 I-480 Bridge Rehabilitation Inspection and Report Cleveland, OH	Ohio Department of Transportation District 12 Garfield Heights	80 (fee)	1987
011	JV	3 West Seattle Freeway Bridge High Level Main Span and Approaches Design Services Seattle, WA	City of Seattle Seattle, WA	150,000	1985
021	P	4 I-279/I-579 Project Management for Construction of Highway Pittsburgh, PA	Pennsylvania Department of Transportation Allegheny District No. 11-0 Pittsburgh, PA	400,000	1988
021	C	5 Garden State Parkway Widening and Repavement, Section M.P. 100 to 103 Field Survey Work, Construction Management Tinton Falls, NJ	New Jersey Highway Authority Woodbridge, NJ	22,850	1987
033	P	6 I-95 High Occupancy Vehicle Lanes Environmental Analysis of Extension Fairfax and Prince William Counties, VA	Virginia Department of Transportation Richmond, VA	115,000	1987
033	P	7 Greensburg-Hodgenville Road Environmental Assessment and Design Green County, KY	Commonwealth of Kentucky Department of Highways Frankfort, KY	3,000	1986

033	P	8 Route 71 Alternatives Analysis/ Environmental Assessment San Bernardino, CA	51/ (fee)	
033	P	9 Richmond Parkway Alternative Alignment Study Richmond County, Staten Island, NY	210 (fee)	1987
046	JV	10 Interstate Route H-3 Design Management Oahu, HI	740,000	1987
046	JV	11 Central Artery/Third Harbor Tunnel Management Consultant Services Boston, MA	2,500,000	1997
046	P	12 I-310 Highway Connection Design and Plans Luling, LA	2,236 (fee)	1986
046	P	13 Aviation Parkway GEC, Design Services, Programming Tucson, AZ	255,000	Continuing
046	JV	14 Houston Street Project General Engineering Consultant Houston, TX	387 (fee)	1986
046	P	15 U.S. 84 Widening Roadway Widening and Relocation Bainbridge, GA	537 (fee)	1987
046	P	16 Red Mountain Freeway Master Plan & Preliminary Design Mesa, AZ	200,000	1986
046	P	17 Route 30 Environmental Documentation and Conceptual Engineering Design Los Angeles and San Bernardino Counties, CA	517 (fee)	1989
046	P	18 Nationwide Boulevard Extension Design and Contract Plans Columbus, OH	5,000	1985
046	P	19 Copley Place Development Project Engineering Design Services Boston, MA	20,000	1983

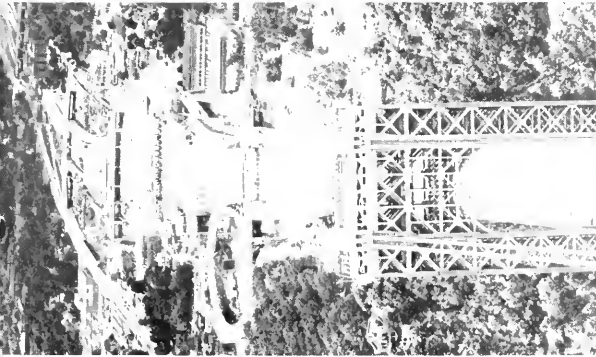
046	P	20	Georgia Department of Transportation Atlanta, GA	233 (fee)	1986
046	P	21	Illinois Department of Transportation Schaumburg, IL	1,343 (fee)	1987
046	P	22	New Jersey Turnpike Authority New Brunswick, NJ	250,000	1988
046	P	23	Department of Highways and Public Transportation Houston, TX	631 (fee)	1986
046	P	24	Illinois State Toll Highway Authority Oakbrook, IL	22,000	1987
046	P	25	Centennial Land Development Corporation Vienna, VA	24 (fee)	1985
046	P	26	Westway Management Group New York State Department of Transportation New York, NY	2,500,000	1986
046	P	27	City of Santa Fe Santa Fe, NM	28,000	1986
107	JV	28	E470 Authority Englewood, CO	500,000	1987
107	C	29	City of DuPont DuPont, WA	159 (fee)	1987
107	P	30	Hartz Mountain Industries Services Transportation and Traffic Engineering Various Locations, NJ	1,200 (fee)	1987

12. The foregoing is a statement of facts

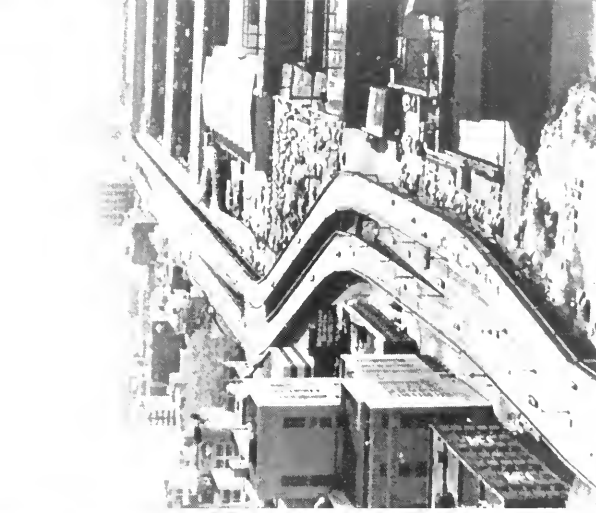
Signature: 

Typed Name and Title: Seymour S. Greenfield, Chairman

Date: January 1988



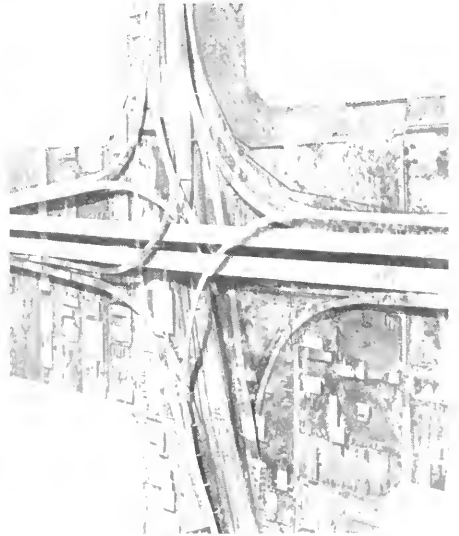
I-80 Improvements, NJ



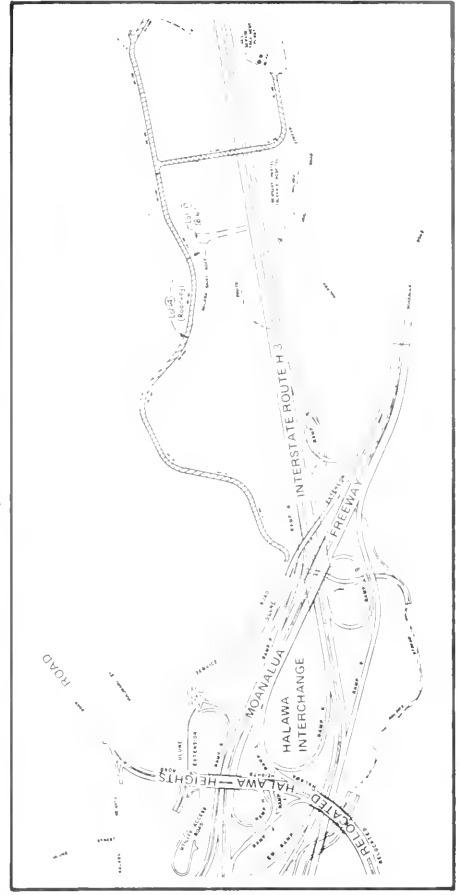
Westway, New York, NY



Routes 128/31-93, Design and EIS for Modifications  
Capen's Circle, Braintree, MA



I-10/I-17 Interchange, Phoenix, AZ



Halewa Interchange, Interstate Route H-3, Oahu, HI





STANDARD FORM **254**

THE HALVORSON COMPANY, INC.



1. Firm Name / Business Address:

The Halvorson Company, Inc.  
 161 Massachusetts Avenue  
 Boston, Massachusetts 02115-3050

1a. Submittal is for  Parent Company  Branch Office

2. Year Present Firm Established:

1983

3. Date Prepared:

October 25, 1988

4. Type of Ownership: Corporation  
 4a. Minority Owned  yes  no

5. Name of Parent Company, if any:

5a. Former Firm Name(s), if any, and Year(s) Established:

The Halvorson Company 1980  
 139 West Canton Street  
 Boston, Massachusetts 02118

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) Craig C. Halvorson, President (617) 536-0380
- 2) John Tingley, Vice President (617) 536-0380

7. Present Offices: City / State / Telephone / No. Personnel Each Office

The Halvorson Company, Inc.  
 161 Massachusetts Avenue  
 Boston, Massachusetts 02115-3050  
 (617) 536-0380

7a. Total Personnel 20

8. Personnel by Discipline:

<input type="checkbox"/> Administrative	<input type="checkbox"/> Electrical Engineers
<input type="checkbox"/> Architects	<input type="checkbox"/> Estimators
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geologists
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Hydrologists
<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Interior Designers
<input type="checkbox"/> Draftsmen	<input type="checkbox"/> 17 Landscape Architects
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Mechanical Engineers
<input type="checkbox"/> Economists	<input type="checkbox"/> Mining Engineers

<input type="checkbox"/> Oceanographers
<input type="checkbox"/> Planners: Urban/Regional
<input type="checkbox"/> Sanitary Engineers
<input type="checkbox"/> Soils Engineers
<input type="checkbox"/> Specification Writers
<input type="checkbox"/> Structural Engineers
<input type="checkbox"/> Surveyors
<input type="checkbox"/> Transportation Engineers

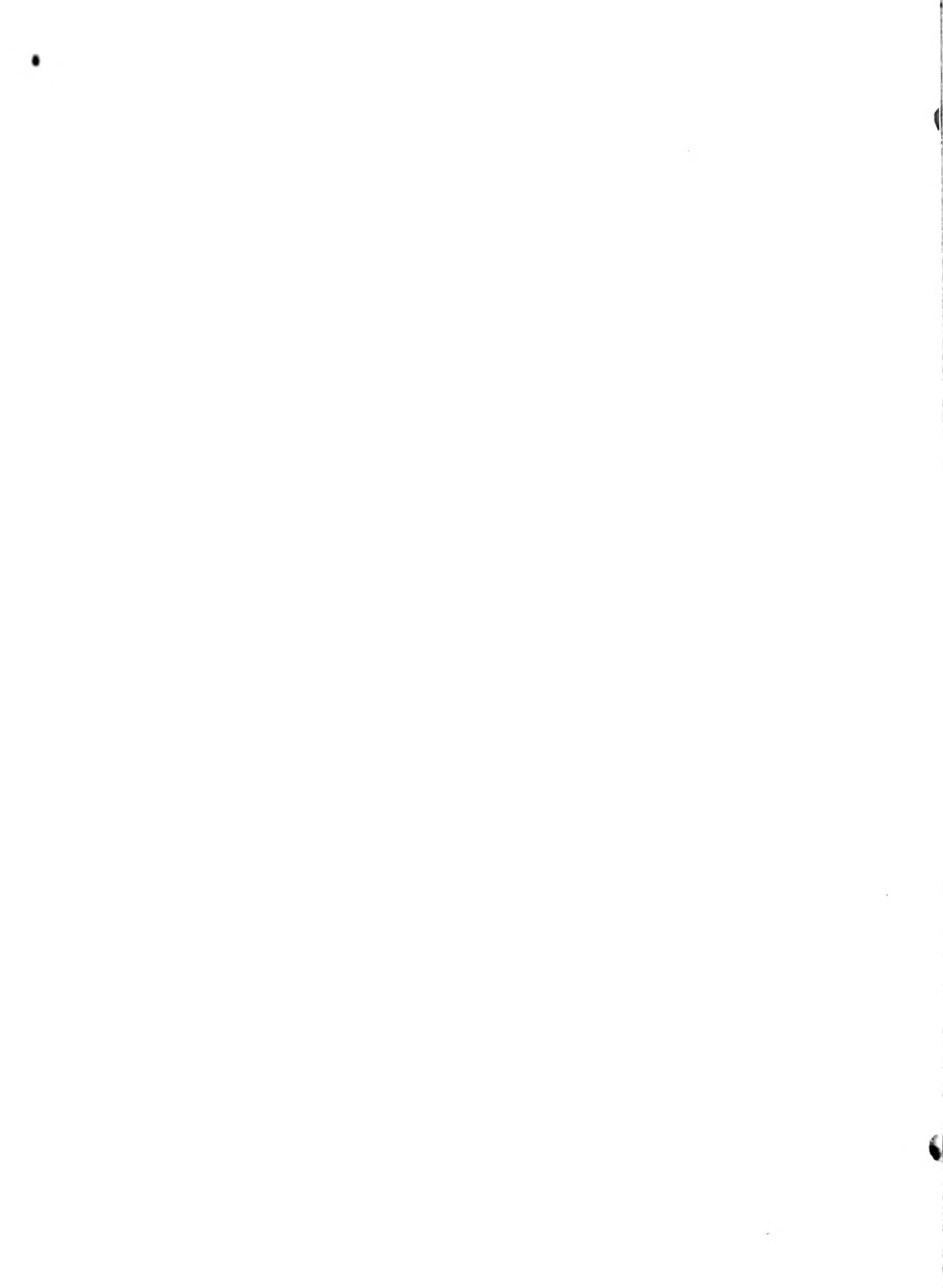
9. Summary of Professional Services Fees Received: (insert index number)

	19_87	19_86	19_85	19_84	19_83
Direct Federal contract work, including overseas	-	-	-	-	-
All other domestic work	4	3	3	2	1
All other foreign work*	-	-	-	-	-

Ranges of Professional Services Fees

- 1. Less than \$100,000
- 2. \$100,000 to \$250,000
- 3. \$250,000 to \$500,000
- 4. \$500,000 to \$1 million
- 5. \$1 million to \$2 million
- 6. \$2 million to \$5 million
- 7. \$5 million to \$10 million
- 8. \$10 million or greater

\*Firms interested in foreign work, but without such experience, check here:



10. Profile of **City of Boston's** Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (In thousands)	Profile Code	Number of Projects	Total Gross Fees (In thousands)	Profile Code	Number of Projects	Total Gross Fees (In thousands)	Profile Code	Number of Projects	Total Gross Fees (In thousands)
1) 006	1	4.2	11) 050	8.4	835.0	21)			21)		
2) 010	3	46.0	12) 052	4	60.0	22)			22)		
3) 014	1	0.4	13) 059	18	375.0	23)			23)		
4) 017	4	65.0	14) 060	3	65.0	24)			24)		
5) 018	1	2.3	15) 072	7	63.0	25)			25)		
6) 019	2	12.0	16) 079	9	165.0	26)			26)		
7) 029	12	2745.0	17) 088	16	535.0	27)			27)		
8) 047	8	305.0	18) 089	2	27.0	28)			28)		
9) 048	12	135.0	19) 110	28	345.0	29)			29)		
10)			20)			30)			30)		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (In thousands)	Completion Date (Actual or Estimated)
017	C	1 Pavilions at Buckland Hills Manchester, Connecticut	The Mall at Buckland Hills Partnership By: Homart Manchester Investment Co. c/o Homart Development Company 55 West Monroe, Chicago, IL 60603	\$ 800	1989
029	C	2 Boston College: Campion Hall Addition Newton, Massachusetts	Ellenzweig Associates 1280 Massachusetts Ave. Cambridge, MA 02138	\$ 810	1989
029	C	3 Boston College: New Science Bldg. Newton, Massachusetts	Ellenzweig Associates 1280 Massachusetts Ave. Cambridge, MA 02138	\$1890	1989
029	C	4 Sandwich Schools: Ridge School Forestdale School Sandwich, Massachusetts	HMFH Architects, Inc. 543 Green Street Cambridge, MA 02139	\$1400 (R.S.) \$1100 (F.S.)	1989
047	P	5 Highland Park Historic Restoration Master Plan Roxbury, Massachusetts	Boston Parks & Recreation Department Planning & Development 294 Washington St., Suite 430 Boston, Massachusetts	\$ 20 (Fee)	1988
049	C	6 Embassy Suites Hotel Cambridge, Massachusetts	The Beacon Companies 50 Rowes Wharf Boston, MA 02110	\$ 500	1986
050	P	7 Bradford Country Club Residential Community Bradford, Massachusetts	Bradford Towne Trust Country Club Professional Bldg. 304 Cambridge Street Woburn, MA 01801	\$ 125 (Phase 1)	1988



050	C	8 Exeter Mill Exeter, New Hampshire				\$ 500	1988
050	C	9 Jug End Housing Development South Egremont, Massachusetts			Reef, Watchmaker and Company 183 State Street Boston, Massachusetts 02109	\$ 150 (MP) \$10,000 (PH #1)	1986 1988
058	C	10 Eisai Pharmaceutical Company, Inc. Andover, Massachusetts			Ellenzweig Associates c. 1280 Massachusetts Avenue Cambridge, MA 02138	\$ 600	1989
059	C	11 Boston Parks and Recreation Land Assessment and Survey Boston, Massachusetts			Mayor's Office of Capital Planning City of Boston Boston, Massachusetts	\$ 125	1987
059	P	12 Colby College Planting Master Plan Waterville, Maine			Colby College Department of Physical Plant Waterville, Maine	\$ 50 (PH #1)	1987
059	C	13 Colonial Williamsburg Visitors Additions & Renovations Ctr. Williamsburg, Virginia			Colonial Williamsburg Foundation Post Box C Williamsburg, Virginia	\$ 500	1984
060	C	14 Calvert Marine Museum Solomons, Maryland			Calvert Marine Museum Solomons, Maryland	\$ 350	1986
060	C	15 Museum of Fine Arts: North Yard Garden Boston, Massachusetts			Nakane Garden Research Corporation c/o Meservy Associates 48 Peter Parley Road Boston, MA 02130	\$1250	1988
079	P	16 Mystic Center Medford, Massachusetts			Cabot, Cabot & Forbes 60 State Street Boston, MA 02110	\$ 500	1990
079	P	17 Wellesley Office Park, Master Plan Wellesley, Massachusetts			Beacon Management Company 3 Center Plaza Boston, MA 02108	\$ 30 (Fee)	1989
088	P	18 Charles Park Cambridge, Massachusetts			City of Cambridge Community Development Dept. City Hall Annex Inman and Broadway Cambridge, MA 02139	\$ 950	1990
088	C	19 Children's Zoo Franklin Park Boston, Massachusetts			Boston Zoological Society 121 Mt. Vernon Street Boston, Massachusetts	\$ 500	1984





088	P	20 Franklin Park Unlimited Historic Landscape Restoration Program Boston, Massachusetts	Department of Environmental Mgmt. Commonwealth of Massachusetts	\$1000	1987
088	P	21 Front Park Cambridge, Massachusetts	Community Development Department City of Cambridge Cambridge, Massachusetts	\$ 550	1986
088	P	22 Hernandez School Park Boston, Massachusetts	Public Facilities Department City of Boston 15 Beacon Street Boston, Massachusetts	\$ 200	1988
088	C	23 Market Landing Park Newburyport, Massachusetts	Office of Community Development City of Newburyport City Hall Newburyport, Massachusetts 01950	\$1200	1983
088	C	24 Tent City Boston, Massachusetts	Tent City Development Corporation Boston, Massachusetts	\$ 800	1987
110	C	25 Beaver Brook Reservation Rehabilitation Belmont/Waltham, Massachusetts	Metropolitan District Commission 20 Somerset Street Boston, Massachusetts 02108	\$1200	1989
110	C	26 Boylston Street Sidewalk Improvements Boston, Massachusetts	Fay, Spofford & Thorndike 191 Spring Street P.O. Box 802 Lexington, MA 02173	\$5000	1991
110	P	27 Cleary Square Street Improvements Hyde Park, Massachusetts	City of Boston Public Facilities Department 15 Beacon Street Boston, Massachusetts	\$ 950	1988
110	P	28 Dorchester Lower Mills Business District - Phase 2 Dorchester, Massachusetts	City of Boston Public Facilities Department 15 Beacon Street Boston, Massachusetts	\$ 550	1986
110	C	29 Kendall Square Site Preparation Contract No.12, Cambridge, Massachusetts 13,14	Cambridge Redevelopment Authority Cambridge, Massachusetts	\$3000	1987
110	P	30 Kendall Square, Site Preparation Contract 15, Point Park Cambridge, Massachusetts	Cambridge Redevelopment Authority Cambridge, Massachusetts	\$1000	1989

12. The foregoing is a statement of facts  
 Signature: *John Tingley* Typed Name and Title: John Tingley, Vice President Date: October 25, 1988







1. Project Name / Location for which Firm is Filing  
 South End Urban Renewal Area  
 Parcel 16, Douglass Plaza

2a. Commerce Business  
 Daily Announcement  
 Date, if any

2b. Agency Identification  
 Number, if any.

3. Firm (or Joint-Venture) Name & Address

Parsons Brinckerhoff Quade & Douglas, Inc.  
 120 Boylston Street  
 Boston, MA 02116

3a. Name, Title & Telephone Number of Principal to Contact

Morris S. Levy, Senior Vice President  
 (617) 426-7330

3b. Address of office to perform work, if different from Item 3

4. Personnel by Discipline: List each person only once, by primary function  
 ( ) = Boston Staff

- 207 Administrative (3)
- 51 Architects
- 2 Chemical Engineers
- 340 Civil Engineers (13)
- 98 Construction Inspectors
- 213 Draftsmen (10)
- 1 Ecologists
- 12 Economists
- 123 Electrical Engineers
- 20 Estimators
- 32 Geologists (1)
- 19 Hydrologists
- 1 Interior Designers
- 3 Landscape Architects
- 155 Mechanical Engineers
- 33 Mining Engineers

- 10 Marine Engineers
- 39 Schedulers/Project Controllers (3)
- 1 Oceanographers
- 73 Planners: Urban/Regional (1)
- 8 Sanitary Engineers (1)
- 23 Soils Engineers (4)
- 13 Specification Writers (1)
- 244 Structural Engineers (19)
- 19 Surveyors
- 87 Transportation Engineers (1)
- 39 Accountants
- 67 CADD/Computer Specialists
- 66 Construction Managers (1)
- 16 Environmental Scientists
- 2 Nuclear/Hazardous Waste
- 17 Railroad Engineers (1)
- 83 Support Services
- 145 Technical Support
- 42 Technical Writers/Designers
- 85 Word Processors (3)

5. If submittal is by JOINT-VENTURE list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm: (Attach SF 254 for each if not on file with Procuring Office.)



6. If respondent is not a joint-venture, list outside key Consultants/Associates anticipated for this project (Attach SF 254 for Consultants/Associates listed, if not already on file with the Contracting Office).

Name & Address	Specialty	Worked with Prime before (Yes or No)
1) The Halvorson Company, Inc. 161 Massachusetts Avenue Boston, Massachusetts 02115	Landscape Architecture	Yes
2)		
3)		
4)		
5)		
6)		
7)		
8)		





7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

<p>a Name &amp; Title MORRIS S. LEVY Senior Vice President</p> <p>b Project Assignment Principal-in-Charge</p> <p>c Name of Firm with which associated Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p> <p>d Years experience With This Firm 18 With Other Firms 9</p> <p>e Education Degree(s)/ Year / Specialization B.S./1951/Civil Engineering M.S./1964/Civil Engineering</p>	<p>a Name &amp; Title: ANDREW B. BOYD Senior Civil Engineer</p> <p>b Project Assignment Project Manager</p> <p>c Name of Firm with which associated Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p> <p>d Years experience With This Firm 7 With Other Firms 3</p> <p>e Education Degree(s) / Years / Specialization B.S./ 1974/Civil Engineering M.B.A. Candidate/Babson College</p>
<p>f. Active Registration Year First Registered/Discipline 1965/Professional Engineer; Massachusetts, Maine New Hampshire, New Jersey, New York, Connecticut</p> <p>g Other Experience and Qualifications relevant to the proposed project Mr. Levy directs the planning and design of major facilities, including rapid transit projects, highway bridges, port facilities, and building structures. He has served as project manager or engineer for highway and bridge projects including: planning and engineering activities for reconstruction of West Side Highway in NY; structural design of viaducts for I-787 Interchange in Albany, NY; and inspection and design of rehabilitation work for Marshall Street viaduct in Richmond, VA. He has also served as project structural engineer for various projects including: Garden State Parkway; Suburban Station in NJ; underground central refrigeration facility in NY; design of circulating water tunnels for Comanche Peak Stream Electric Station, TX; and sunken-tube vehicular tunnel in Hong Kong. Mr. Levy served as principal-in-charge for the firm's effort on the Connecticut Emergency Bridge Program, the MBTA's Cape Cod Railroad Project, and the Commuter Rail Improvement Project.</p>	<p>f Active Registration. Year First Registered/Discipline 1982/professional Engineer</p> <p>g Other Experience and Qualifications relevant to the proposed project. Mr. Boyd has over 10 years of experience including: responsibility for the site/civil engineering improvements for the \$400 million Copley Place development including streets, utilities, lighting and structures as well as owner, contractor, architect, and agency coordination, conceptual site/civil engineering of all infrastructure modifications required to accommodate the proposed Prudential Center Master Plan including streets, structures, and utilities and coordination with architects, other consultants, contractor, owner, and local agencies. Site/civil engineering of major infrastructure modifications including streets, utilities, East Side Interceptor, and coordination with the developer, architect, and all public agencies for the Rowes Wharf Development, Boston and site/civil engineering of all infrastructure modifications and site improvements from initiation of environmental review process through production of contract documents for the State Street Development Boston. Currently serves as Civil Engineer for the seven-level underground parking at Post Office Square.</p>



<p><b>a Name &amp; Title:</b> JOHN F. BURCKHARDT  <b>b Project Assignment</b> Civil Engineer</p> <p><b>c Name of Firm with which associated</b> Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p> <p><b>d Years experience With This Firm</b> 1 <b>With Other Firms</b> 10</p> <p><b>e Education</b> Degree(s) / Year / Specialization B.S./1977/Civil Engineering M.S./1986/Civil Engineering</p> <p><b>f. Active Registration.</b> Year First Registered/Discipline 1984/Professional Engineer: Massachusetts, Connecticut New Hampshire, Maine</p> <p><b>g Other Experience and Qualifications relevant to the proposed project</b></p> <p>John is a lead civil engineer with over 11 years of experience on a variety of assignments. For L.L. Bean in Freeport, Maine, he served as project civil engineer for a 700-car parking lot and roadway relocations. For the Charlestown Navy Yard, he served as project civil engineer for a bus and truck garage, vehicle maintenance facility and reconstruction of adjacent streets. For the Westford Technology Park, he was project engineer for a 90-acre office/research park. He designed roadways, drainage, utilities and hydrologic analyses. Other civil assignments include I-95/Route 128, Peabody; Post Office Square, Boston; Raytheon Building 4 in Portsmouth, Rhode Island; and MBTA Station Modernization on the Red Line.</p>	<p><b>a Name &amp; Title:</b> WILLIAM H. McDONALD Lead Engineer</p> <p><b>b Project Assignment:</b> Traffic and Maintenance</p> <p><b>c. Name of Firm with which associated</b> Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p> <p><b>d Years experience With This Firm</b> 1 <b>With Other Firms</b> 12</p> <p><b>e Education</b> Degree(s) / Years / Specialization B.S./1976/Civil Engineering</p> <p><b>f Active Registration.</b> Year First Registered/Discipline 1981/Professional Engineer/Massachusetts, Connecticut New Jersey, New Hampshire</p> <p><b>g Other Experience and Qualifications relevant to the proposed project.</b></p> <p>Mr. McDonald's years of professional experience have included extensive work in the transportation and traffic engineering field. His qualifications include highway design and geometrics, traffic analysis, transportation planning, traffic signal systems and roadway rehabilitation programs. Project experience includes:  Preliminary Design I-84, Eastern CT, Connecticut DOT; Design of 40 signalized intersections, New Haven, CT; Redesign of I-55 and I-240 involving 27 interchanges and 33 miles of interstate roadway in Tennessee; Redesign of I-40, I-65, and I-24 interstate highway systems, Nashville, TN; Hemingway Avenue Urban Systems Project, East Haven, CT; Senior Transportation Engineer for Wonderland Station Rehabilitation for the MBTA, Boston, MA; and Connecticut Route 68 and I-91 interchange improvements Wallingford, CT.</p>
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7. Brief resumes of key persons, specialists, and individual consultants anticipated for this project.

<p>a. Name &amp; Title:  ROBERT P. RAWNSLEY Senior Geotechnical Engineer</p>	<p>JOHN M. MAINI</p>
<p>b. Project Assignment:  Geotechnical</p>	<p>b. Project Assignment:  Civil Engineer</p>
<p>c. Name of Firm with which associated  Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p>	<p>c. Name of Firm with which associated:  Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p>
<p>d. Years experience With This Firm <u>8</u> With Other Firms <u>2</u></p>	<p>d. Years experience With This Firm <u>1</u> With Other Firms <u>1</u></p>
<p>e. Education  B.S./1977/Civil Engineer M.S./1981/Civil Engineer</p>	<p>e. Education: Degree(s) / Years / Specialization  B.S./1987/Civil Engineer</p>
<p>f. Active Registration Year First Registered/Discipline  1987/Professional Engineer: New Hampshire</p>	<p>f. Active Registration: Year First Registered/Discipline</p>

g. Other Experience and Qualifications relevant to the proposed project:

Mr. Rawnsley has 5 years of experience in geotechnical engineering. He recently provided the geotechnical engineering for the replacement of the \$11 million North Station Railroad Trestle for the MBTA. His involvement included evaluation and load testing of existing timber pile bents, and design of new piers and abutments. In a similar role, he is currently directing geotechnical investigations and foundation design for the Beverly-Salem Railroad Bridge, and the MDC Alewife Brook Parkway Bridge replacement. He has been involved in the analysis, design, and construction of a variety of projects, including cut-and-cover tunnels utilizing a slurry wall, deep foundations consisting of piles and caissons for various structures, and facility planning for an ocean outfall in the Boston area. He was also staff geotechnical engineer for the design of the pile foundations for the Merrimack River Temporary Bridge, Lowell, MA.

g. Other Experience and Qualifications relevant to the proposed project:

Since joining Parsons Brinckerhoff, John has been responsible for several civil engineering assignments including: Widening of I-93 in Manchester, NH where he developed horizontal and vertical geometrics using computer programs and was involved in the production of CADD for this project; Brightman Street Bridge in Fall River-prepared preliminary cost estimate for bridge, roadway and ramp network. His site development work includes several Boston projects where he prepared grading plans, utility modifications, roadway and sidewalk reconstruction, as well as city standard Public Improvement Plans (PIC). He provided construction inspection for 75 State Street and prepared geometrics for the proposed Post Office Square underground Parking Garage.



7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

<p>a. Name &amp; Title: FRANK V. VENTI</p>	<p>a. Name &amp; Title: CARRIE C. FORD</p>
<p>b. Project Assignment: Construction Supervision</p>	<p>b. Project Assignment: Civil Engineer</p>
<p>c. Name of Firm with which associated: Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p>	<p>c. Name of Firm with which associated: Parsons Brinckerhoff Quade &amp; Douglas, Inc.</p>
<p>d. Years experience With This Firm <u>1</u> With Other Firms <u>20</u></p>	<p>d. Years experience With This Firm <u>2</u> With Other Firms <u>0</u></p>
<p>e. Education: Degree(s) / Year / Specialization: A.S./1968/Civil Engineer</p>	<p>e. Education: Degree(s) / Years / Specialization: B.S./1988/Civil Engineering</p>
<p>f. Active Registration Year First Registered/Discipline</p>	<p>f. Active Registration Year First Registered/Discipline</p>
<p>g. Other Experience and Qualifications relevant to the proposed project:  Mr. Venti has extensive experience in construction supervision and resident engineering. He served with the GSA performing contract compliance; for private contractors prepared bid take-off and cost estimates for city streets, layout of piles, new pipelines and structures. He also served as resident engineer for 8 sewer contracts in Marshfield and a deep sewer project in Hull. Recent experience includes the Neponset River Bridge for the Metropolitan District Commission and two bridge raisings over Conrail in Framingham.</p>	<p>g. Other Experience and Qualifications relevant to the proposed project:  Carrie is a Junior Civil Engineer who has worked on the following assignments: For the MWRRA's On-Shore Marine Transportation Facility she was involved in the preparation of Water Quality Certificates and NPDES permits for two ferry terminals; prepared preliminary analysis and design of a combined sewer system for the Fan Pier project; inventoried drainage along the 30-mile New Hampshire Main Line railroad and developed necessary drainage improvements; and for Route 2/1-84 in Connecticut prepared final highway design including geometrics, drainage, cost estimates and permits.</p>





**7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project**

<p><b>a. Name &amp; Title:</b> John Tingley Vice President</p>	<p><b>a. Name &amp; Title:</b></p>
<p><b>b. Project Assignment:</b> Principal-in-Charge</p>	<p><b>b. Project Assignment:</b></p>
<p><b>c. Name of Firm with which associated:</b> The Halvorson Company, Inc.</p>	<p><b>c. Name of Firm with which associated:</b></p>
<p><b>d. Years experience: With This Firm</b> <u>6</u> <b>With Other Firms</b> <u>9</u></p>	<p><b>d. Years experience: With This Firm</b> _____ <b>With Other Firms</b> _____</p>
<p><b>e. Education:</b> Degree(s) / Year / Specialization B.S.L.A. - 1973 Landscape Architecture</p>	<p><b>e. Education:</b> Degree(s) / Years / Specialization</p>
<p><b>f. Active Registration:</b> Year First Registered/Discipline 1977 Registered Landscape Architect Massachusetts No. 578 1987 Registered Landscape Architect Rhode Island No. 194</p>	<p><b>f. Active Registration:</b> Year First Registered/Discipline</p>
<p><b>g. Other Experience and Qualifications relevant to the proposed project:</b> TENT CITY HOUSING - Boston, Massachusetts Full landscape architectural design documentation and construction administration services for an affordable housing project in Boston's South End. KENDALL SQUARE - SITE PREPARATION CONTRACT 14 - Cambridge, Massachusetts Full landscape architectural design, construction documentation and construction administration services for street-scape project in one of Cambridge's fastest growing urban areas. Improvements included new curbs and roads, new brick sidewalks, street furniture, pedestrian lighting and street tree planting.</p>	<p><b>g. Other Experience and Qualifications relevant to the proposed project:</b> POINT PARK - Cambridge, Massachusetts Full landscape architectural design, construction documentation and construction administration services for an urban park, which is the major pedestrian crossroads in Kendall Square. Improvements include: new brick plaza paving, a fountain, street furniture, site lighting and landscaping. WEST BROADWAY STREETSCAPE IMPROVEMENTS - Boston, MA Full landscape architectural design and construction documentation for South Boston's major commercial area. Improvements included new concrete sidewalk roadway repair, tree planting layout and street furniture.</p>



7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

<p><b>a. Name &amp; Title:</b> Thomas R. Doolittle Associate</p> <p><b>b. Project Assignment:</b> Project Manager - Landscape Architecture</p> <p><b>c. Name of Firm with which associated:</b> The Halvorson Company, Inc.</p> <p><b>d. Years experience: With This Firm</b> <u>3</u> <b>With Other Firms</b> <u>2 1/2</u></p> <p><b>e. Education: Degree(s) / Year / Specialization</b> B.L.A. - Bachelor of Landscape Architecture 1983 Ball State University</p> <p><b>f. Active Registration: Year First Registered/Discipline</b> 1985 Landscape Architect Connecticut 1986 Landscape Architect Massachusetts</p> <p><b>g. Other Experience and Qualifications relevant to the proposed project:</b> IMPROVEMENTS TO CLEARY SQUARE AND LOGAN SQUARE - Hyde Park, Massachusetts Design, construction document preparation and construction contract administration for roadway and streetscape project in Hyde Park central business district. Improvements include new curbs and roads, sidewalks, street furniture, pedestrian lighting and street tree planting. <u>THE RIDGE SCHOOL AND THE FORESTDALE SCHOOL</u> - Sandwich, MA Design construction document preparation and construction observation for two K-8 schools. Project includes pedestrian and vehicular circulation systems, planting, athletic and recreation facilities.</p>	<p><b>a. Name &amp; Title:</b></p> <p><b>b. Project Assignment:</b></p> <p><b>c. Name of Firm with which associated:</b></p> <p><b>d. Years experience: With This Firm</b> <u>    </u> <b>With Other Firms</b> <u>    </u></p> <p><b>e. Education: Degree(s) / Years / Specialization</b></p> <p><b>f. Active Registration: Year First Registered/Discipline</b></p> <p><b>g. Other Experience and Qualifications relevant to the proposed project:</b> KENDALL SQUARE SITE PREPARATION CONTRACT 15 POINT PARK - Cambridge, Massachusetts Construction document preparation for an urban park, which is a major pedestrian crossroads in Kendall Square. Improvements include: new brick and granite plaza paving, fountain / sculpture, street furniture, street lighting and landscaping.</p>
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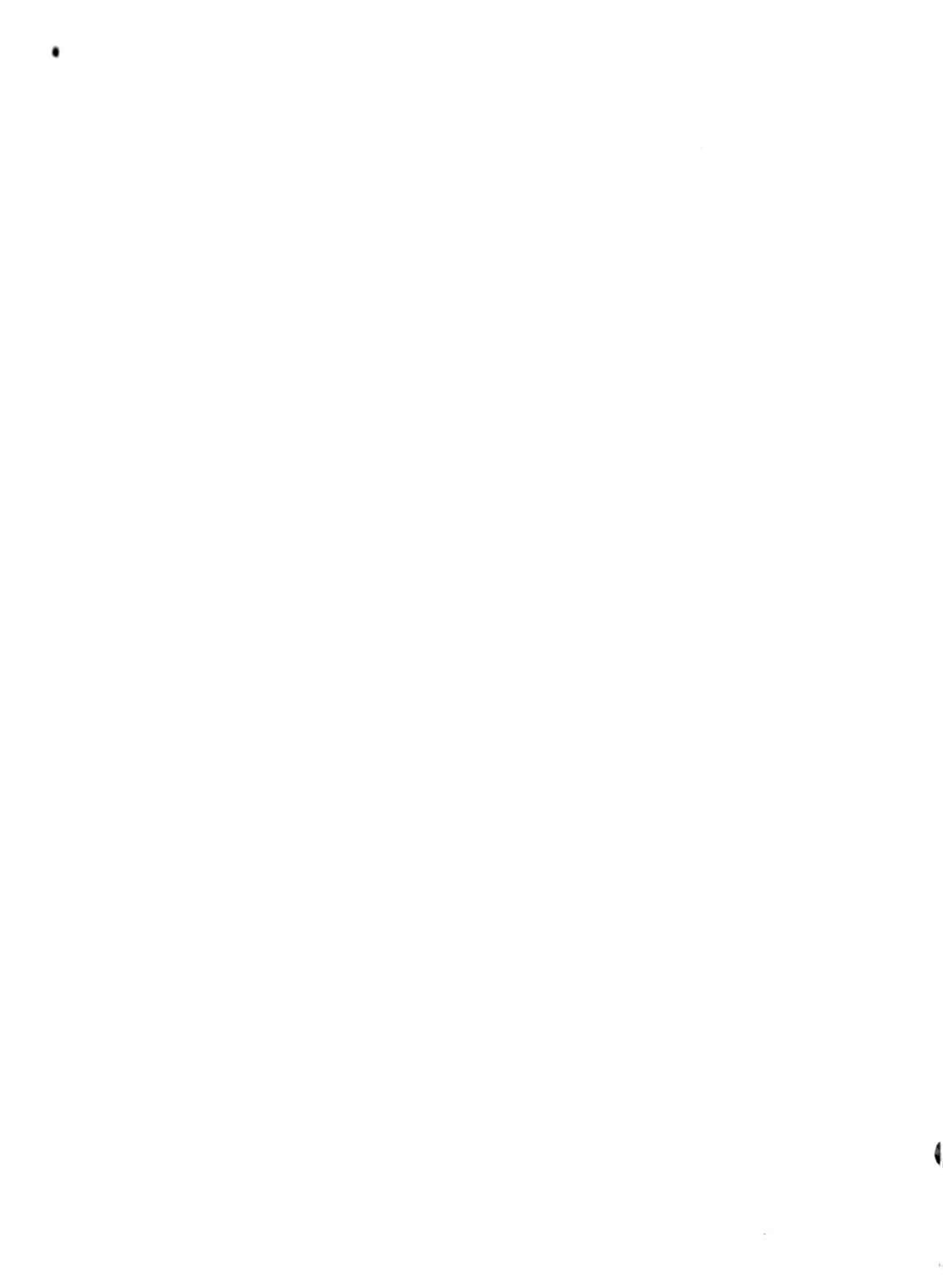


**7. Brief Resumes of Key Persons, Specialists, and Individual Consultants Anticipated for this Project**

<p><b>a. Name &amp; Title:</b> Robert R. Uhlig Landscape Designer</p>	<p><b>a. Name &amp; Title:</b></p>
<p><b>b. Project Assignment:</b> Landscape Architecture</p>	<p><b>b. Project Assignment:</b></p>
<p><b>c. Name of Firm with which associated:</b> The Halvorson Company, Inc.</p>	<p><b>c. Name of Firm with which associated:</b></p>
<p><b>d. Years experience: With This Firm <math>2\frac{1}{2}</math> With Other Firms <math>2</math></b></p>	<p><b>d. Years experience: With This Firm — With Other Firms —</b></p>
<p><b>e. Education: Degree(s) / Year / Specialization</b> B.E.D.L.A. - 1984, North Carolina State University (Bachelor of Environmental Design in Landscape Architecture)</p>	<p><b>e. Education: Degree(s) / Years / Specialization</b></p>
<p><b>f. Active Registration: Year First Registered/Discipline</b></p>	<p><b>f. Active Registration: Year First Registered/Discipline</b></p>
<p><b>g. Other Experience and Qualifications relevant to the proposed project:</b> Kendall Square - Site Preparation Contract 14, Cambridge, Massachusetts Design and construction document preparation for street-curb project in Cambridge. Improvements included new curbs and roads, new brick sidewalks, street furniture, pedestrian lighting and street tree planting.</p>	<p><b>g. Other Experience and Qualifications relevant to the proposed project:</b> Kendall Square and Logan Square, Hyde Park, Massachusetts Construction document preparation for roadway and streetscape project in Hyde Park business district. Improvements included new curbs and roads, new sidewalks, street furniture, pedestrian lighting and street tree planting.</p>
<p>Kendall Square - SPC Preparation Contract 15 - Point Park Cambridge, Massachusetts Design; construction document preparation and construction observation for an urban park, which is a major pedestrian crossroads in Kendall Square. Improvements include: new brick and granite plaza paving, a fountain/sculpture, street furniture, street lighting and landscaping.</p>	<p>Tent City Housing, Boston, Massachusetts Design, construction document preparation and construction observation for an affordable housing project in Boston's South End.</p>
<p>Boylston Street Streetscape Improvements, Boston, Massachusetts Master plan recommendations for sidewalk improvements from Arlington Street to the Fenway. Included in the improvement study are paving patterns, street tree and pedestrian lighting locations and types, street furniture and amenities.</p>	<p>Boylston Street Streetscape Improvements, Boston, Massachusetts Master plan recommendations for sidewalk improvements from Arlington Street to the Fenway. Included in the improvement study are paving patterns, street tree and pedestrian lighting locations and types, street furniture and amenities.</p>



a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
Parsons Brinckerhoff Quade & Douglas, Inc.					
Copley Place Development Boston, Massachusetts	Engineering design services including preliminary and final design of street improvements to Huntington Avenue, Dartmouth and Stuart Streets in the City of Boston. Work included pavement resurfacing and reconstruction, modifications to curbs and sidewalks, drainage, utilities, street lighting and new signalized inter-sections.	Urban Investment and Development Company Boston, Massachusetts	1983	300,000	300,000
Post Office Square Garage Boston, Massachusetts	Managing consultant and geotechnical engineering for a major 1400-car, seven-level, underground parking garage at Post Office Square in downtown Boston. Project features top down construction using slurry walls and a surface level urban park.	Friends of Post Office Square, Inc. Boston, Massachusetts	1987	65,000	50,000
Waltham Central Square Street Improvements Waltham, Massachusetts	Preparation of preliminary and final designs for the improvement and reconstruction of approximately one mile of street system in Waltham, Mass. Design included drainage, utilities, lights, signalized inter-section and right-of-way plans.	City of Waltham Waltham, Massachusetts	1982	160	160





Parsons Brinckerhoff Quade & Douglas, Inc.		b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
a. Project Name & Location	Entire Project				Work for which Firm was/is responsible	
75 State Street Boston, Massachusetts	Provided engineering services for design of all site preparation and improvement work required. Work included modifications to local street network, public and private utility distribution systems, and to adjacent buildings.	The Beacon Companies Boston, Massachusetts	1988/89	200,000	200,000	
Prudential Center Boston, Massachusetts	Developed conceptual design for the infrastructure modifications required to accommodate the proposed Master Plan. Work included revisions to local street network, public and private utility distribution systems, Mass. Turnpike Authority facilities, and MBTA structures.	Prudential Insurance Company Boston, Massachusetts	1998	450,000	25,000	
South Braintree Parking Garage and Station South Braintree, Mass.	Final design and contract documents for rail rapid transit extension, including train station and 1200-car parking garage. The garage is served by express ramps to minimize traffic impacts on local streets. Visual compatibility with the environment was a major design criterion.	Massachusetts Bay Transportation Authority Boston, Massachusetts	1981	66,000	66,000	



a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
Parsons Brinckerhoff Quade & Douglas, Inc.					
Reconstruction of Marginal Street Chelsea, Massachusetts	Design for one mile of urban arterial including traffic signals, storm drainage, street furniture, permits and resident engineering.	City of Chelsea Chelsea, Massachusetts	1986	1,000	1,000
Reconstruction and Relocation of Summer Street Boston, Massachusetts	Complete design of roadway pavements, sidewalks and utilities for the improvement of Summer Street and roadway intersections.	Boston Redevelopment Authority Boston, Massachusetts	1980	2,500	2,500
Redevelopment of Boston Naval Ship Yard Boston, Massachusetts	Planning, preliminary and final design, specifications and construction services for redevelopment of former Boston Naval Ship Yard including roadways, sidewalks, utilities, lighting and landscaped pedestrian areas and parks and existing buildings.	Boston Redevelopment Authority Boston, Massachusetts	1982	4,750	4,750
Roadway Widening and Reconstruction Lowell, Massachusetts	Design for Pawtucket Blvd., Wood St., and Middlesex St. including new traffic signals, drainage, signing and environmental permits.	Massachusetts Department of Public Works Boston, Massachusetts	1984	2,500	2,500



8. Work by firm's joint-venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects).

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
The Halvorson Company, Inc. 1. <u>Boylston Street Sidewalk Improvements</u> Boston, Massachusetts	Master Planning, Design Development	Mr. Peter Scarpignato City of Boston DPW Room 710, City Hall Boston, Massachusetts	1989	9,000	7,000
2. <u>Merchant's Row at 75 State Street</u>	Planning and Design Consulting	The Beacon Companies One Post Office Square Boston, Massachusetts 02109	1989	300	300
3. <u>Congress Street: Landscape Improvements</u> Boston, Massachusetts	Master Planning and Design	Mr. Peter Scarpignato City of Boston DPW Room 710, City Hall Boston, Massachusetts	n/a	400	400
4. <u>Dorchester Lower Mills, Phase I, II</u> Boston, Massachusetts	Planning, Design, Contract Documents, Construction Administration	Development Division Public Facilities Department 15 Beacon Street Boston, Massachusetts 02108	1984	700	700
5. <u>Cleary Square - Logan Square Hyde Park, Massachusetts</u>	Planning, Design, Contract Documents, Construction Admin.	Development Division Public Facilities Department 15 Beacon Street Boston, Massachusetts 02108	1989	1,170	1,170
6. <u>Hyde Square Improvements</u> Jamaica Plain, Massachusetts	Planning, Design, Contract Documents, Construction Administration	Devel. Div., Publ. Facil. Dept 15 Beacon Street Boston, Massachusetts 02108	1989	580	580
7. <u>Kendall Square - Site Prep.</u> Contract 13 Cambridge, Massachusetts	Planning, Design, Contract Documents, Construction Administration	Cambridge Redevelopment Authority 336 Main Street Cambridge, MA 02142	1987	1,800	500
8. <u>Kendall Square - Site Prep.</u> Contract 14 Cambridge, Massachusetts	Planning, Design, Contract Documents, Construction Administration	Cambridge Redevelopment Authority 336 Main Street Cambridge, MA 02142	1988	1,200	300
9. <u>Kendall Square - Site Prep.</u> Contract 15 (Point Park)	" "	" "	1990	1,500	900
10. <u>Tent City</u> Boston, Massachusetts	Site Design, Contract Documents, Construction Administration	Tent City Corporation Boston, Massachusetts	1988	25,000	1,000



## Parsons Brinckerhoff Quade &amp; Douglas, Inc.

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Agency (Responsible Office) Name & Address	d. Percent complete	e. Estimated Cost (in thousands) Entire Project	Work for which Firm was/is responsible
Long Beach Fuel Pier U.S. Naval Station Long Beach, CA	Design and project engineering support during construction for relocation of fuel pier and pipeline.	Department of the Navy Naval Facilities Engineering Command Western Division San Bruno, CA	98	4,134 (fee)	3,000 (fee)
Long Beach Fuel Pier Inspection U.S. Naval Station Long Beach, CA	Title II inspection and surveillance services for fuel pier relocation.	Department of the Navy Naval Facilities Engineering Command Western Division San Bruno, CA	98	611 (fee)	611 (fee)
Phase II Power Reliability Enhancement Fort Ritchie, MD	Alternative design study, preliminary engineering, geotechnical coordination study, and final design for power system enhancements.	U.S. Army Corps of Engineers Baltimore District Baltimore, MD	90	671 (fee)	671 (fee)
Commercial Facilities Management Rockville, MD	Provide all management, supervisory, labor, materials, supplies and equipment for the efficient performance of management operations and maintenance of One White Flint North.	U.S. Nuclear Regulatory Commission Washington, D.C.	30	3,124 (fee)	2,695 (fee)
Underground Eng. Tuff Yucca Mountain, Nevada	Engineering studies to support the development of criteria for advanced conceptual design of a nuclear waste repository in Tuff.	Department of Energy Sandia National Laboratories Albuquerque, New Mexico	20	4,500 (fee)	4,000 (fee)





**Parsons Brinckerhoff Quade & Douglas, Inc.**

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Agency (Responsible Office) Name & Address	d. Percent complete	Entire Project	e. Estimated Cost (in thousands) Work for which Firm was/is responsible
Exploratory Shaft Facility In Salt Deaf Smith County State of Texas	A/E services to prepare designs for construction and perform engineering services during construction for an Exploratory Shaft Facility for a nuclear waste repository in Salt.	Department of Energy Chicago Operations Office Salt Repository Project Office Hereford, TX	99	22,395 (fee)	11,500 (fee)
Coal Conversion and Emission Controls for Central Heating Plants, MCDDED Quantico, VA & N.O.S. Indian Head, MD	A/E services for study, design and post construction award services for central plant modifications and steam distribution.	Department of the Navy Naval Facilities Engineering Command Chesapeake Division Washington, DC	99	814 (fee)	814 (fee)
Modernization of Electrical Distribution System US Naval Base, Philadelphia	A/E services for design of modifications to, and expansion of, the 2.3 and 13.2 kV primary distribution systems at the Philadelphia Naval Base; and design of a new basewide SCADA System.	Department of the Navy Naval Facilities Engineering Command Northern Division Philadelphia, PA	99	1,100 (fee)	600 (fee)
St. Louis LRT Project Management Oversight St. Louis, MO	Objective review of preliminary engineering plans and management plans for new light rail system utilizing existing railroad rights of way and fixed facilities; review topics include project cost estimates, control systems concepts, and proposed vehicles.	U.S. Department of Transportation/UMITA Washington, DC	28	1,000 (fee)	1,000 (fee)



**Parsons Brinckerhoff Quade & Douglas, Inc.**

a Project Name & Location	b Nature of Firm's Responsibility	c Agency (Responsible Office) Name & Address	d Percent complete	e Estimated Cost (in thousands) Entire Project	Work for which Firm wafts responsible
Oversight of Cleveland Tower City Center Station Renovation Project Cleveland, OH	Objective review of design criteria and standards for renovation of station to accommodate meeting of heavy and light rail transit systems and to provide for vertical circulation of transit patrons throughout the station; review of plans for relocation of track, signals and support systems.	U.S. Department of Transportation/UMTA Washington, DC	20	600 (fcc)	600 (fcc)
U.S.P.S. Project Support Contract Various Locations	Program management and construction management services for renovation of the Queens, New York General Mail Facility (GMF) and Vehicle Maintenance Facility (VMF) and new construc- tion of GMF and VMF at Brooklyn, New York and Newark, New Jersey; preconstruction services at various other locations.	United States Postal Service Windsor, CT	44	3,670 (fcc)	2,150 (fcc)
55 U.S. Army Track Installations Various Locations	Engineering services in assessment of railroad track conditions and maintenance needs at 55 U.S. Army installations	U.S. Department of Transportation Washington, DC	10	3,500 (fcc)	2,975 (fcc)



**Parsons Brinckerhoff Quade & Douglas, Inc.**

a. Project Name & Location	b Nature of Firm's Responsibility	c Agency (Responsible Office) Name & Address	d. Percent complete	Entire Project	e Estimated Cost (in thousands) Work for which Firm was/is responsible
Electrical Distribution System Upgrade Hangar #3 NAS Moffett Field, CA	Study and design of electrical system upgrade.	Department of the Navy Naval Facilities Engineering Command Western Division San Bruno, CA	40	1,300 (fec)	100 (fec)
FRA Technical and Financial Services Washington, D.C.	Technical and financial monitoring of rehabilitation projects	Federal Railroad Administration Washington, D.C.	50	142 (fec)	142 (fec)
Operational Facilities Fleet Combat Training Virginia Beach, VA	Architect-engineer services for design of: a combined 200-meter rifle range and 100-meter pistol range; a 24-station pistol range; a helicopter landing pad; and a 4,000-square-foot small arms/classroom building.	Department of the Navy Naval Facilities Engineering Command Atlantic Division Norfolk, VA	98	4,100 (fec)	4,100 (fec)



**PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.**

The Firm

Parsons Brinckerhoff, a 100-year-old engineering firm, brings to this assignment strong technical capabilities, managerial skills, and a successful record in the planning, design, and construction of infrastructure improvements, particularly in urban centers. Our staff of over 2,000 represents multidisciplinary capabilities and vast experience in all facets of civil engineering, site design, geotechnical engineering, environmental analysis, community participation programs, and full service construction management.

Project-Related Experience

Of particular relevance to this assignment is our past experience in the successful implementation of street and utility improvements for major developments in the City of Boston. We have built a strong reputation for technical excellence, clear understanding of the design and permit process and, probably most important, the various city agencies and community groups involved in recent projects such as:

- o The \$5 million mixed development at Copley Place, Boston, Massachusetts
- o Street and utility improvement at the Boston Naval Shipyard, Charlestown, Massachusetts
- o Conceptual design for infrastructure improvements at Prudential Center, Boston, Massachusetts
- o Site engineering for a major development at 75 State Street, Boston, Massachusetts
- o Currently managing all civil engineering for the Post Office Square Parking Garage, Boston, Massachusetts.

11. The foregoing is a statement of facts.

Signature:  Typed Name and Title: Morris S. Levy, Senior Vice President

Date:

October 31, 1988







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