



# *New York and New Jersey*

Planning

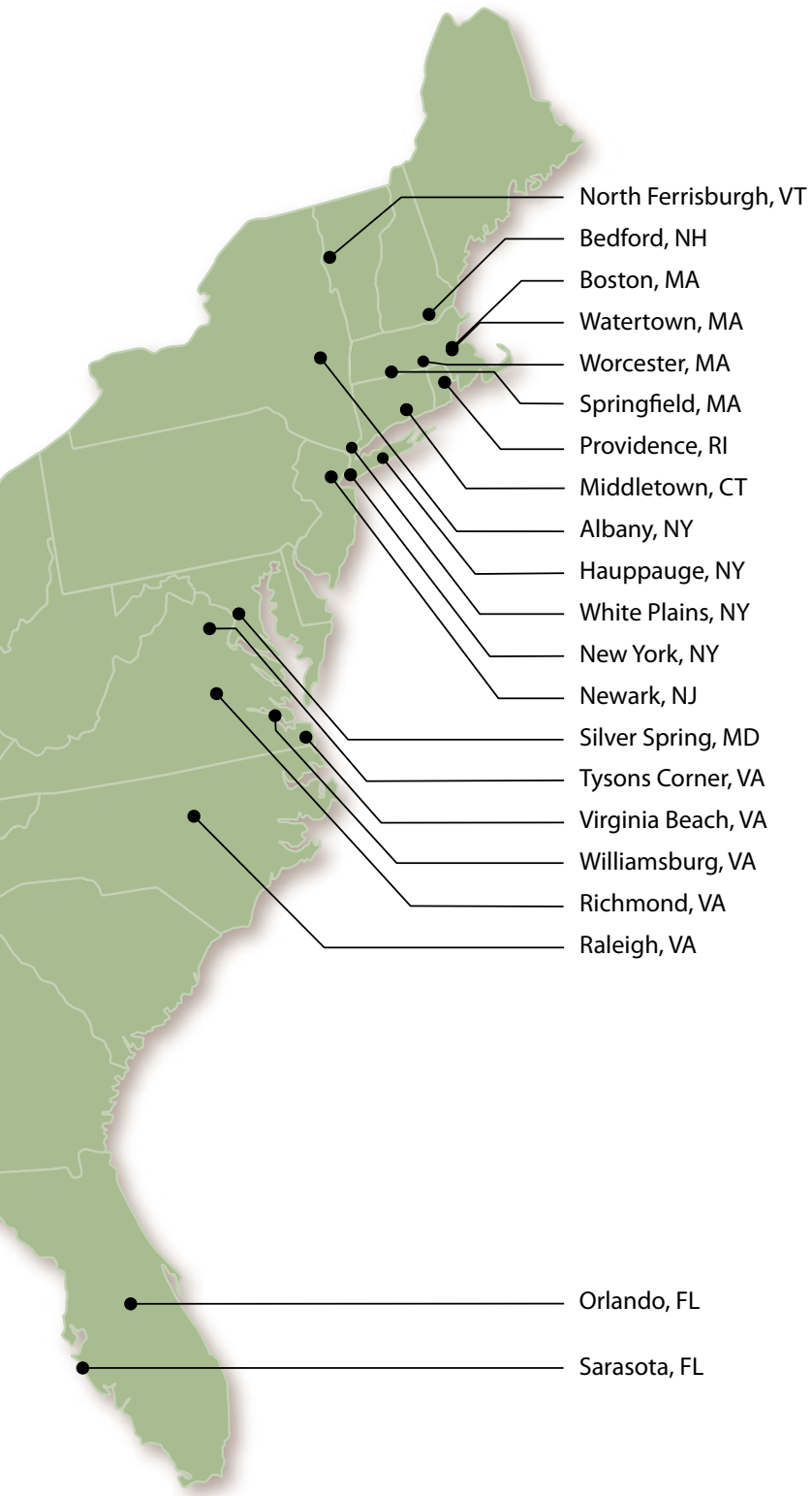
Land Development

Transportation

Environmental

[www.vhb.com](http://www.vhb.com)





## At a Glance

- › **New York:** New York City, Hauppauge, White Plains, and Albany
- › **New Jersey:** Newark
- › Integrated services: planning and design, transportation, land development, and environmental services
- › Professional staff of planners, engineers, land surveyors, landscape architects, and scientists with a diverse skill base
- › 100+ employees in NY and NJ
- › 2011-VHB joins forces with Eng-Wong, Taub & Associates
- › 2010-VHB welcomes Saccardi & Schiff
- › 2009-Freudenthal & Elkowitz Consulting Group and Eschbacher VHB joined forces forming VHB Engineering, Surveying and Landscape Architecture, P.C.
- › Our New York operation, VHB Engineering, Surveying, and Landscape Architecture, P.C., is affiliated with Vanasse Hangen Brustlin, Inc.





## Corporate Profile

Since 1979, VHB has partnered with private- and public-sector clients to provide high-quality technical skills in each of our practice areas through a seamless, integrated team approach. To address our clients' dynamic needs, VHB has continued to grow and hone a diverse workforce that delivers personal service, value, responsiveness, and excellence. Our ability to help our clients initiate and complete intricate, challenging, and important projects has given rise to an impressive portfolio of success, demonstrated by a high percentage of VHB's clients becoming repeat customers.

VHB delivers innovative and pragmatic solutions and offers the following services:

### Planning & Design

Visioning and Community Outreach  
 Master Planning  
 Residential  
 Mixed-Use  
 Transit-Oriented Design  
 Downtown  
 Office and Industrial  
 Corridor Studies  
 Strategic Planning  
 Comprehensive Planning  
 Open Space and Recreation  
 Zoning and Development Guidelines  
 Environmental Review and Entitlements

### Transportation

Planning, Engineering, and Operations  
 Traffic Engineering  
 Highway/Bridge Design  
 Parking Facilities  
 Bicycle and Pedestrian Facilities  
 Transit and Rail Planning and Design  
 Airport Planning and Engineering  
 Intelligent Transportation Systems

### Land Development

Entitlement Services  
 Development of Regional Impact Approvals  
 Landscape Architecture  
 Stormwater/ Wastewater Systems Design  
 Water Supply/Consumptive Use Permitting  
 Land Surveying  
 Geographic Information Systems  
 Urban Design  
 Site/Civil Engineering

### Environmental Services

Environmental Assessments and Environmental Impact Statements  
 Sustainability  
 NEPA, SEQRA, and CEQR Compliance  
 Wetlands/Resource Area Determinations, Permitting, and Restoration  
 Wildlife Assessment and Monitoring  
 Planning and Zoning Analyses  
 Construction/Compliance Monitoring  
 Oil and Hazardous Materials Investigations and Environmental Site Assessments  
 Oil and Hazardous Materials Remediation Design  
 Climate and Energy

### Vanasse Hangen Brustlin, Inc. at a Glance

Established in 1979  
 850+ employees in 21  
 offices along east coast

76<sup>th</sup> on *Engineering  
 News-Record* Top 500  
 U.S. Design Firms List

Top 50  
 "Pure Design Firms"

Top 50  
 in Transportation

Visit [www.vhb.com](http://www.vhb.com) for  
 more information.





## Representative Clients

- › AvalonBay Communities
- › Blumenfeld Development Group
- › Boca Development Corporation
- › Brookfield Properties
- › Community National Bank
- › Costco Wholesale Corporation
- › CVS Caremark Corporation
- › Engel Burman Group
- › enXco
- › First Avenue Properties
- › First Hartford Realty Corporation
- › Forchelli, Curto, Crowe, Deegan, et. al.
- › Gershman Brown Crowley Inc.
- › Greenview Properties
- › Heartland Business Center
- › Heatherwood Communities
- › Hess Corporation
- › King Kullen
- › Lighthouse Development Group
- › LIPA
- › Lowe's Companies, Inc.
- › MetroPCS
- › Molloy College
- › Nassau Community College
- › National Grid
- › National Park Service
- › New York Jets
- › New York Power Authority
- › New York Yankees
- › North Shore - LIJ Health System
- › NYC Economic Development Corp.
- › NYCDOT and NYSDOT
- › PepsiCo
- › Pliskin Realty & Development
- › Polimeni International
- › Port Authority of NY and NJ
- › RXR Realty
- › The Related Companies
- › Silvercup Studios
- › Simon Property Group, Inc.
- › South Nassau Communities Hospital
- › Stop & Shop Supermarket Company
- › SUNY
- › Target Corporation
- › Thor Equities
- › Tishman Speyer Properties
- › Trammell Crow Company
- › Tritec Real Estate
- › Trump Organization
- › T. Weiss Realty Corporation
- › Verizon Wireless
- › Vornado Realty Trust
- › Whole Foods Market
- › Many towns, counties, and villages throughout the NY metro area





## Awards/Accomplishments

### *American Council of Engineering Companies (ACEC) New York*

- › Long Island Motor Parkway Vision Study – Silver Award for Engineering Excellence – 2012
  - › New Village at Patchogue – ACEC Silver Award for Engineering Excellence – 2011
  - › Ronkonkoma TOD Study – ACEC Silver Award for Engineering Excellence – 2010
  - › Long Island Non-Motorized Transportation Study – ACEC Diamond Award for Engineering Excellence – 2008
- Subconsultant to RBA Group*
- › Southampton Bikeway – ACEC Silver Award for Engineering Excellence – 2008
  - › Port Jefferson Downtown Pedestrian Improvements – ACEC Silver Award for Engineering Excellence – 2007
  - › Traffic Mitigation Design at Avalon Pines, Coram, NY – ACEC Gold Award for Engineering Excellence – 2006

### *American Society of Civil Engineers (ASCE) Long Island Chapter*

- › Long Island Motor Parkway Vision Study – Project of the Year – 2012

### *Long Island Business News (LIBN)*

- › Voted one of the “Best Places to Work on Long Island” – 2006
- › Top Environmental Firm – 2007
- › Terri Elkowitz: Who’s Who in Environmental Consulting – 2010
- › Terri Elkowitz: Fifty Around 50 – 2010
- › David Manning: Who’s Who in Environmental Consulting – 2011





### ***New York Construction Magazine***

- › No. 67, List of Top Design Firms – 2008

### ***Vision Long Island***

- › Smart Growth Award: Elmont Mixed-Use Zoning District – 2012
- › Smart Growth Award: Ronkonkoma Planning Study – 2009
- › Smart Growth Award: Sustainable East End Development Strategies – 2007

### ***American Society of Landscape Architecture (ASLA)***

- › Brooklyn Bridge Park Master Plan-Honor Award – 2009  
*Subconsultant to Michael Van Valkenburgh*

### ***Designing the Parks***

- › Brooklyn Bridge Park Master Plan-Honor Award – 2010  
*Subconsultant to Michael Van Valkenburgh*

### ***Waterfront Center***

- › Brooklyn Bridge Park Master Plan-Honor Award – 2009  
*Subconsultant to Michael Van Valkenburgh*

### ***Public Design Commission of the City of New York***

- › Flatbush Avenue Streetscape Improvement Plan Honor Award – 2007  
*Subconsultant to Donna Walcavage*

### ***American Planning Association of New York (APA-NY)***

- › Rebuild Chinatown Initiative Metro Chapter Meritorious Achievement Award – 2004

### ***Intelligent Transportation Society of New York***

- › New York Statewide Traffic Incident Management Program Outstanding Project of the Year – 2010



## VHB Projects

### World Trade Center

New York, New York

- › Conducted traffic and parking studies for the development of over 10 million sf of office space in five new buildings, the National September 11 Memorial and Museum, 500,000 sf of retail space, a transportation hub, a performing arts center, and an underground vehicle security center and tour bus parking facility
- › Analyzed two existing conditions baseline scenarios to account for both pre-9/11 and current conditions, and identified and evaluated traffic mitigation measures
- › Performed parking occupancy surveys for 67 public parking facilities in the area
- › Participated in numerous public hearings, presentations, and interagency coordination meetings with city/state officials

Traffic and parking  
impact analyses for  
40 local intersections

Participated in street  
management meetings  
with PANYNJ, NYCDOT,  
and NYSDOT

Methodology and  
findings documented  
in 2004 FEIS



## Yankee Stadium Development

Bronx, New York

- › Conducted traffic and parking analyses for the construction of a new 54,000-seat Yankee Stadium, 4 new multi-level parking garages, and improved park facilities
- › Identified and evaluated traffic capacity improvement measures for the mitigation of significant impacts
- › Developed game-day traffic management improvements to maintain safe and efficient vehicular and pedestrian flows
- › Performed detailed queuing analyses for parking garages

**New stadium opened on-time in 2009**

**CORSIM models for Major Deegan Expressway roadway segments**

**Traffic and parking impact analyses for 24-intersection network**



## Coney Island Rezoning

Brooklyn, New York

- › Conducted traffic and parking analyses for the proposed rezoning of 19 blocks and 47-acres of developable land to include up to 5,000 new units of housing and 500,000 sf of commercial and retail space
- › Analyzed 30 intersections under existing and future conditions and identified and evaluated traffic mitigation measures
- › Participated in public hearings and interagency coordination meetings and documented findings in draft and final EIS



Methodology and findings documented in 2009 FEIS

Supplemental trip generation and traffic analyses relative to proposed modifications by the City Planning Commission

Project expected to generate \$14 billion in economic activity over the next 30 years



## Air and Noise Quality Analysis

### New York

- › Conduct air and noise analyses for state, city, and local governments as well as industrial and development clients
- › Help clients address sources of fossil fuel emissions by assisting with their operating permit program requirements
- › Policy assistance in responding to the Clean Air Act Amendment (CAAA) requirements
- › Providing a wide array of noise barrier services including on-site noise measurements, traffic noise modeling, acoustical analysis, civil and structural barrier design, public participation, and strategic support



Providing advice on strategies for a project to successfully navigate permitting processes

Conduct analyses as part of state and federal environmental and permitting processes including mobile sources, mesoscale, and stationery sources



## Heartland Town Square

Brentwood, New York

- › Environmental, planning, and traffic engineering services
- › Will create over 13,000 construction and 26,000 permanent jobs and generate \$51 million in property tax revenue
- › Consists of 3.3 million sf of office space; 1 million sf of retail space; 215,000 sf of civic space; and 9,000 residential units

Former Pilgrim  
Psychiatric Center is  
now set to become  
home to Heartland  
Town Square, using  
Smart Growth planning  
principles



## Nassau Coliseum Redevelopment

Uniondale, New York

- › Integrated transportation planning, traffic engineering, and environmental services for the redevelopment of a 77-acre site in Nassau County
- › The \$3.74 billion project would create 15,411 construction jobs and 7,700 permanent new jobs and it would generate an additional \$42.7 million in property taxes
- › Proposed development consisted of 2,306 housing units; 500,000 sf of retail space; 1,000,000 sf of new office space; 200,000 sf of new convention/exhibition space; and a new 650,000 sf Coliseum
- › Largest redevelopment project in downtown Nassau County
- › Developing extensive off-site roadway network linkages
- › SEQRA documentation, DGEIS, and FGEIS
- › Phase I ESA and Phase II Scope of Work



Image courtesy of Lighthouse Development Group

Helping turn the  
Lighthouse Development Group's vision  
of a contemporary  
recreation/office/residential  
destination  
into a reality



## Molloy College Campus Improvements

Rockville Centre, New York

- › Traffic and parking analysis and design, environmental, and landscape architecture services for \$76 million campus improvements program
- › Environmental Impact Statement preparation and local zoning/ planning approvals



## Energy and Sustainability Programs

City of Albany and County of Schenectady, New York

Assisting in the design, funding, and implementation of:

- › Overall energy & sustainability program
- › Greenhouse gas (GHG) emissions inventory for government operations and the community
- › Comprehensive GHG management system
- › Goals and strategies to incorporate into a Climate Action Plan to reduce GHG emissions
- › Climate adaptation plan
- › Community engagement program
- › Energy efficiency strategies in existing buildings



## Port Authority of New York and New Jersey

### New York and New Jersey

The Port Authority of New York and New Jersey operates the largest airport system in the nation, transporting 100 million passengers each year. In addition to managing bridges and tunnels in the tri-state area, the Port Authority's airport system includes Newark Liberty International Airport, John F. Kennedy International Airport, LaGuardia Airport, Stewart International Airport, and Teterboro Airport. VHB has the following contracts with the Port Authority of NY and NJ:

- › On-Call Consulting for Airport Planning, Environmental, and Financial Services
- › Traffic Safety Engineering On-Call Consultant
- › On-Call Planning Consultant
- › Traffic Engineering Planning On-Call Services
- › Traffic Design On-Call Services
- › TB&T Transportation and Facility Operations Planning On-Call Services
- › TB&T Market Research Planning On-Call Services
- › Planning On-Call Services – Transportation Planning & Policy Analysis



## Hub Transit-Oriented Planning Study

### Ronkonkoma, New York

- › Master planning, permitting, and public outreach
- › Prepared land use and implementation plan that will help guide the revitalization of the Ronkonkoma Train Station area
- › Recommended changes to existing zoning to help promote transit-oriented development within vacant and/or underutilized parcels
- › Prepared the Generic Environmental Impact Statement (GEIS)
- › Facilitated community outreach and consensus building among the town and other involved agencies
- › Earned a [Vision Long Island 2009 Smart Growth Award](#)



## Re-Use Plan for a Former Naval Weapons Industrial Reserve Plant

Calverton, New York

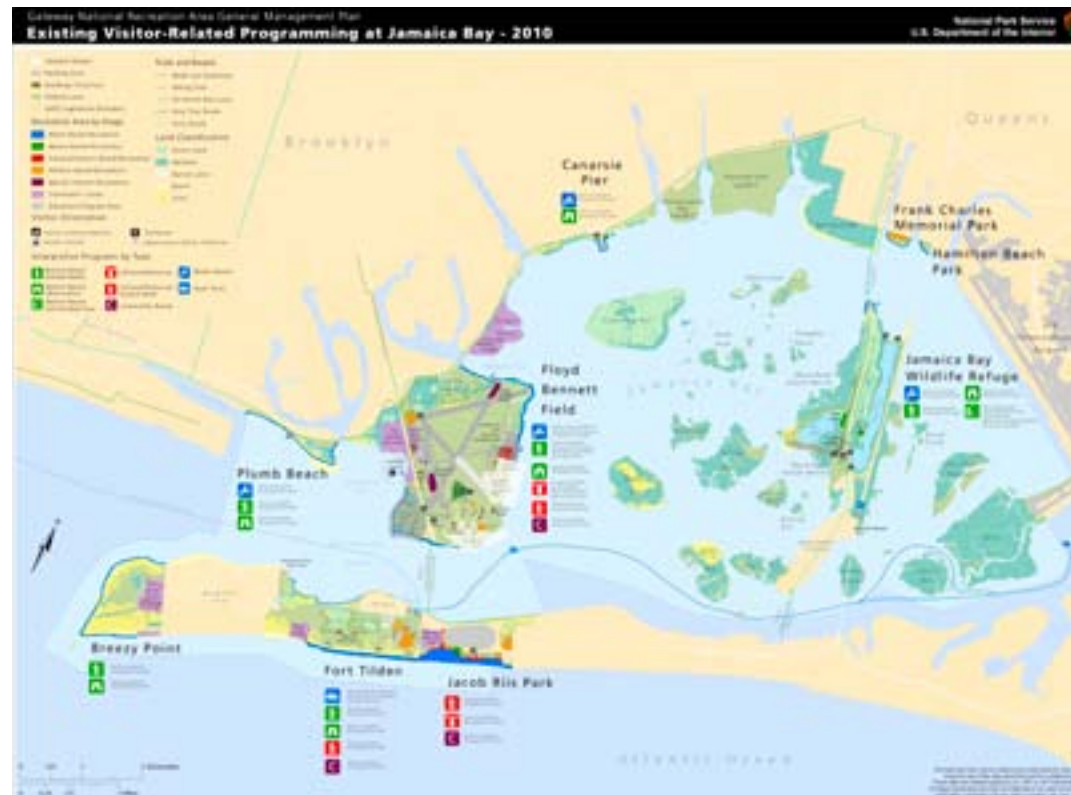
- › Preparing a re-use plan for a 2,900-acre former Naval Weapons site
- › Providing assistance related to environmental site conditions
- › Preparing Supplemental Environmental Impact Statement
- › Coordinating market and economic analyses and engineering and construction documentation



## Gateway National Recreation Area

### Jamaica Bay, New York

- › Planning and transportation services to the National Park Service
- › Transportation studies addressed transportation access, circulation, and site development at four independent sites within Jamaica Bay
- › Coordination with National Park Services on resource issues, landscape, and engineering services





## New York and New Jersey Leadership



### Peter Byrne

Managing Director  
New York City

Byrne oversees VHB's New York City office. His decades of experience include managing complex engineering and transportation projects for the Port Authority of New York and New Jersey. He has direct experience on a variety of planning projects as well as preparing National Environmental Policy Act (NEPA) environmental analyses. He successfully applies his experience to complex operational, financial, and regulatory challenges.



### Robert Dennison, III, PE

New York Regional Director for Transportation Design Service  
Albany

Dennison, former New York State Department of Transportation (NYSDOT) Chief Engineer, leads VHB's transportation planning and design engineering services in New York. Throughout his 35+ year career, Dennison has made a tremendous impact on shaping the future of transportation and infrastructure in New York. As Chief Engineer at the NYSDOT, Dennison was third in command, responsible for New York State's \$1.6 billion annual capital construction program, bridge safety assurance of 17,000 publicly owned bridges, and management of the annual consultant program of \$250 million.





## Lisa DiTaranti, PE

Northeast Director, Transit & Rail  
New York City

DiTaranti is a 25 year veteran of the transportation industry in New York, New Jersey, and Pennsylvania. She manages transportation, transit, and planning studies throughout the Northeast. DiTaranti's experience includes preparing environmental assessments, alternative analyses, travel demand modeling, BRT development, ridership, and station planning.



## Nancy Doon, AICP

Director of Environmental Services  
New York City

Doon leads large scale planning and development projects, coordinating with public agencies, and preparing environmental assessments for clients throughout New York. She has served as project manager for the environmental review of many significant developments in New York City and is well-versed in the technical and procedural requirements of NYC Environmental Quality Review (CEQR), the NYS Environmental Quality Review Act (SEQRA), and the National Environmental Policy Act (NEPA).





## Terri Elkowitz

Principal  
Hauppauge

Elkowitz has been helping shape the landscape of the New York metro area for more than 20 years. Her portfolio of work includes major development projects in Queens, Nassau, and Suffolk Counties. Elkowitz is well-versed in the intricacies of the NYS Environmental Quality Review Act (SEQRA) process. She has prepared numerous planning and zoning studies, environmental assessments, and has provided expert testimony on planning, zoning, and environmental issues.



## Paul Eng-Wong, PE

Principal  
Newark

Eng-Wong, co-founder and president of Eng-Wong, Taub & Associates, joined VHB as a result of the firm's acquisition of Eng-Wong, Taub & Associates in September 2011. Eng-Wong brings his extensive leadership and performance of traffic engineering and planning services to VHB. He has served as a trusted advisor to the Port Authority of New York and New Jersey for more than 20 years. Eng-Wong has worked on a wide variety of traffic, parking, transit, bicycle and pedestrian studies for New York and New Jersey municipalities, public agencies, and metropolitan planning organizations. He is Past International President and member of the Executive Board of ITE. His executive leadership for ITE has put him at the forefront of issues concerning both the transportation industry and the state of practice for engineering professionals.





## Bob Eschbacher, PE

Principal  
Hauppauge

Eschbacher has more than three decades of experience in project management, planning, design, and construction projects in the New York metropolitan area. The combined construction value of the projects he has overseen exceeds \$5 billion. He has directed a wide variety of projects involving interstate highways, expressways, parkways, local roads, bridges, airports, and traffic signalization improvements.



## Kim Gennaro, AICP

Director of Environmental Sciences  
Hauppauge

Gennaro has 14 years experience as an environmental planner and specializes in the review and preparation of State Environmental Quality Review Act (SEQRA) documentation and assisting clients with the administration of SEQRA and NEPA processes. She provides environmental and planning services to various municipalities, public school districts, and libraries throughout New York State.



## Preston Halstead, PE

Transportation Managing Director  
Albany

Halstead manages VHB's Albany operations. He has more than 30 years of design and construction experience in the Northeast including extensive experience in highway and bridge engineering involving interstate, urban, and rural projects.





## Walter Kraft, PE

Principal  
Newark

Executive technical director at Eng-Wong, Taub & Associates, Kraft joined VHB as a result of the firm's acquisition of Eng-Wong, Taub & Associates in September 2011. He is an internationally renowned transportation systems expert. Kraft is founding chair of the ITE ITS Council, and he was a member of the National Steering Committee on Operations, organized by ITE for the Federal Highway Administration to promote national awareness of the operations of transportation facilities. He recently served as editor of the ITE Traffic Engineering Handbook and the ITE/MSA Traffic Signal Maintenance Handbook. He is Past International President of ITE.



## Tom Lucivero, PE

Northeast Regional Manager  
New York City

Lucivero is responsible for VHB's northeast region, consisting of the firm's Rhode Island, Connecticut, New York, and New Jersey offices. He oversees all civil engineering design, and is responsible for the firm's regional growth and furthering the development of its practices. His 35+ years of civil engineering experience includes site engineering, hydraulics, highway engineering, construction management, and contract administration.





## Harold Lutz, PE

Director of Transportation | Traffic Engineering  
Hauppauge

Lutz shares with clients and colleagues, decades of experience in transportation and aviation engineering ranging from local roads to international facilities. His extensive experience working with municipalities, private clients, and state agencies includes master planning, roadway alternative analyses, origin-destination surveys, travel demand studies, as well as accident and pedestrian analyses.



## David Manning

Energy Practice Leader  
New York City

Formerly the Executive Vice President and Chief Environmental Officer with KeySpan, Manning leads VHB's energy market efforts. Through his experience as the former Deputy Minister of Energy in Alberta, the Canadian province supplying much of Long Island's natural gas, he is able to advise clients on oil and gas infrastructure, pricing, alternative fuel, regulatory and energy contracting.





## Thomas Phelan, PE

Office Manager/Senior Project Manager  
Newark

Phelan oversees VHB's Newark office. Phelan has diverse experience in the management and performance of traffic and transportation consulting services. He specializes in freight/goods movement planning, research, and policy analysis, and he has participated in truck access and mobility studies throughout New York, New Jersey, Pennsylvania, Ohio, and Canada. He has contributed to national freight movement research efforts and the development of state- and region-wide freight movement plans. Phelan joined VHB as a result of the firm's acquisition of Eng-Wong, Taub & Associates in September 2011.



## John Saccardi, AICP

Principal  
White Plains

Saccardi is a professional planner with nearly 40 years of consulting experience, working for public- and private-sector clients in the New York metropolitan area. His planning work includes preparation of comprehensive plans, zoning ordinance amendments, and downtown and neighborhood plans. He directed many major land planning and environmental review projects, including those focused on downtown White Plains, New Rochelle, and Yonkers.





## David Schiff, AICP

Principal  
White Plains

Schiff has nearly 40 years of experience in public- and private-sector planning, with particular expertise in housing, project management, master plans, downtown redevelopment plans, economic studies, environmental studies, and development economics. He has served as project manager for major private developments throughout New York and has directed community plans in urban, suburban, and small town settings.



## Martin Taub, PE

Principal  
New York City

As co-founder and principal of Eng-Wong, Taub & Associates, Taub led public and private development work for the firm. He joined VHB as a result of the firm's acquisition of Eng-Wong, Taub & Associates in September 2011. Taub has 37 years of experience in the leadership and performance of traffic, parking, transit, and pedestrian studies for New York City development projects. He authored the "Traffic and Parking" and "Transit and Pedestrians" chapters of the first-ever NYC Environmental Quality Review (CEQR) Technical Manual.



## Babu Veeregowda, PE

Principal  
New York City

Veeregowda offers 24 years of experience managing traffic engineering studies for large-scale public- and private-development projects throughout New York City. He specializes in the application of CEQR guidelines and standards to EA/EIS projects, and has worked on complex development studies, including the World Trade Center and Second Avenue Subway. He joined VHB as a result of the firm's acquisition of Eng-Wong, Taub & Associates in September 2011.





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