

3.0 Exhibits List

A Pioneer in Sustainable Design and Construction

1. The Queens Botanical Gardens
2. Whitehall Ferry Terminal
3. St. George Ferry Terminal
4. AIA New York Chapter, Committee on the Environment
5. AIA National, Committee on the Environment

A First Adopter in Green Health and Active Design

6. Riverside Health Center
7. Via Verde, the Green Way
8. Active Design Guidelines

An Advocate for Excellence in Public Architecture

9. AIMS Major Maintenance Best Practices Report
10. High Performance Building Guidelines

1. The Queens Botanical Gardens
First LEED Platinum project built by the City of New York
Queens, New York



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First LEED Platinum project built by the City of New York
Queens, New York





1. The Queens Botanical Gardens

First LEED Platinum project built by the City of New York
Queens, New York

Architect of Record: BSKS Architects, LLC

Completed: 2007

AWARDS

10 Great Public Spaces by the American Planning Association Great Places in America Program, *October 2009*

PM Engineer Magazine Award for Design Excellence, *October 2009*

Award for Program Excellence, American Public Gardens Association (APGA), *June 2009*

AIA National Convention Western Red Cedar (WRC) Architectural Design Award, *May 2009*

Top Ten Green Projects Award AIA, Committee on the Environment (COTE), *2008*

"Best in New York State" Award, AIA, NY State, *2008*

AIA NY Chapter Building Type Awards, Sustainability Honor, *2008*

US EPA Environmental Quality Award, *2008*

Queens Chamber of Commerce Building Award, *2007*

New York City Green Building Design Award, *2004*

Synopsis:

The Queens Botanical Gardens is located at the former World's Fair Grounds, the Flushing Meadows Park. Today this thriving garden is located in a diverse neighborhood where over 50 languages are spoken daily. The new leadership decided in the early 2000s that the garden had outgrown its mid-century administration building located near the entrance. The master planning effort resulted in moving the new building to give the visitors a more welcoming entry sequence while making water a major design theme. BSKS Architects designed the Visitor & Administration Center as a veritable encyclopedia of building techniques that conserve water, tap renewable energy, and work with nature to mitigate global warming.

The building's auditorium has a planted green roof that reduces urban heat island effect. It has solar panels that generate 17% of the building's electricity and a geothermal heating and cooling system that uses water pumped from an aquifer for the building's climate control. It also has two water recycling systems: one that uses rain water to fill a man-made watercourse and fountain, and a second system that cleans graywater from the building for reuse in public toilets.

At the ribbon cutting ceremony in 2007, Mayor Bloomberg cited the Visitor & Administration Center as a major asset in the city's sustainability plan, PlaNYC 2030. The building was the first publicly funded and constructed LEED Platinum project in New York City.

Nominee's Role:

- Integrated the goals of the public in community design workshops during the project evaluation phase. The theme of water became both the common cultural and sustainability thread
- Built consensus for a vision to surpass current sustainability benchmarks during the early master planning phase
- Recognized the opportunity between client and design teams in integrated design charrettes during early design phases to support ambitious environmental goals. Ensured the project was on budget while pursuing cutting edge green features
- Advised on green power purchase and embarked on devising citywide renewable certificate allocation. This resulted in millions in capital project savings citywide without sacrificing design quality
- Helped Asian Americans, the dominant user group in the community, understand the importance of sustainable design and construction, in an era where the most rapid urbanization in the world is occurring in Asia
- Used the building as a didactic tool in numerous professional settings, including leading LEED training class for City staff on site and a design tour during OpenHouseNewYork

Declaration of Responsibility:

I have personal knowledge that the Nominee performed in the capacity described above.

Signature _____

Susan Lacerte, Executive Director, Queens Botanical Gardens

2. Whitehall Ferry Terminal

First Large Scale Intermodal Building with Photovoltaic Canopies
Manhattan, New York





2. Whitehall Ferry Terminal
First Large Scale Intermodal Building with Photovoltaic Canopies
 Manhattan, New York

Architect of Record: Frederic Schwartz Architects
Completed: 2005

AWARDS

Project Innovations Award, Buildings Magazine, 2006

Award of Merit, AIA New York State, 2009

PUBLICATIONS

“BIPV Solar Rejuvenates NYC’s Whitehall Ferry Terminal”, Renewable Energy World, 2006

“Great Room with a View: Lower Manhattan’s Newest Architectural Landmark: Whitehall Ferry Terminal “, The Architects Newspaper, 2005

“Take Me to the Rivers”, Oculus, 2004

Synopsis:

After a minor fire broke out at the Whitehall Terminal at the southern tip of lower Manhattan, the City recognized the opportunity to create a modern facility for commuters and tourists traveling between Manhattan and Staten Island. This intermodal facility is the Manhattan Terminus of the Staten Island Ferry, which transports approximately 70,000 riders daily. With the growing popularity of ferry transit in the New York harbor, this facility’s rebirth ushered in a new era of waterfront reconstruction, vibrant design at the water’s edge and improved passenger accommodation.

The upgraded terminal, designed by Frederic Schwartz Architects/TAMS Earthtec, was completed in 2005. The building, with three active berths, features improved transit access, better pedestrian circulation and a new two-acre public plaza to enhance the ferry riders’ experience. The building is also located directly above three subway tunnels and a four-lane automobile tunnel.

The interior includes a functional, daylit, spacious, climate-controlled environment. At the roof access area, a state-of-the-art photovoltaic-powered system was designed as a civic icon on the waterfront and as a welcoming gesture to incoming passengers. The iridescent blue of the photovoltaic panels reflect the simmering color of the harbor, while the signature orange canopy matches the color of the ferry boats traversing the New York waters.

Nominee’s Role:

- Initiated the concept of green design and construction in a major capital project at the Economic Development Corporation in the 1990s
- Introduced the inclusion of sustainable design consultants in a 1999 value engineering workshop to integrate energy efficient strategies during the design phase. This set the precedent of providing green design peers in value engineering reviews of major capital projects in the city
- Initiated DOE energy simulation modeling studies for a large scale transportation facility that served as a national precedent for facilities with transient passenger flow. Collaborated with the mechanical engineers to develop non-standard model assumptions to guide energy analysis. Resulted in the use of radiant flooring, displacement ventilation with reduced HVAC load
- Secured state funding for photovoltaic structure and panels, a first installation of this size on a prominent public project in Manhattan

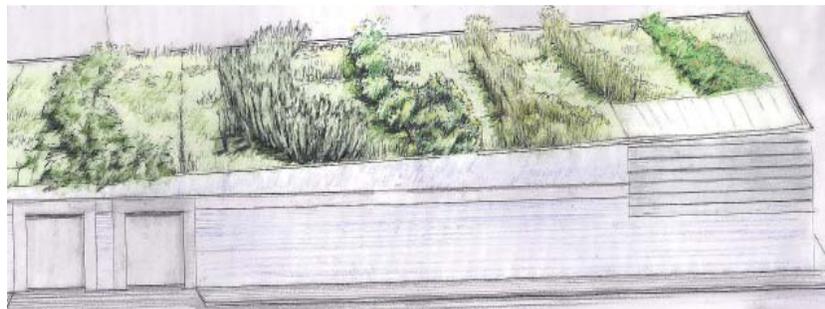
Declaration of Responsibility:

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Signature _____

David Kane, Executive Vice President, NYC Economic Development Corporation

3. St. George Ferry Terminal First Green Intermodal Transportation Terminal and Green Roof Staten Island, New York





3. St. George Ferry Terminal

First Green Intermodal Transportation Terminal and Green Roof

Staten Island, New York

Architect of Record: Hellmuth Obata + Kassabaum

Completed: 2005

AWARDS

Design Excellence Award, New York City Arts Commission, 2002

Honor Award, AIA Staten Island Chapter, 2006

PUBLICATIONS

“St George Ferry Terminal: Ferry to a ‘greener’ future” Green Bee - Buildings Energy Environmental, 2008

Synopsis:

The St. George Terminal is known as the “Gateway to Manhattan” for the half mile Staten Island ferry ride between Staten Island and Manhattan. The upgraded St. George Terminal, serving both commuters and tourists, raises the roof line of the waiting room and allows abundant daylight into the pedestrian and passenger zone.

Intermodal access connecting bus, rail, cars, and bicycle to ferry transit creates both challenges and opportunities for the building. A pedestrian walkway connects Richmond Terrace and the terminal entry, while another walkway provides a scenic link to the Richmond County Bank Ballpark, home to the Staten Island Yankees, which hosts 38 baseball games and 90 additional events every year.

Preliminary design for St. George started during the birth of the LEED rating system. The design team included a green roof as research shows that this area of the New York Harbor falls within the migration path of monarch butterflies. This pilot paved the way for many other green infrastructure projects in the five boroughs. The building remained operational during its entire construction phase. As complex as the programming and sequence of construction was, the project achieved LEED Certified rating.

Nominee’s Role:

- Initiated the concept of seeking green certifications in a major project built by the City of New York
- Included LEED AP professionals on the value engineering team. This set the precedent of providing green design peers in value engineering reviews of major capital projects in New York City
- Introduced the energy and water saving opportunities through a demonstration green roof to be located on top of the maintenance building as a pilot
- Fostered a team effort to pursue green roof design and oyster bed cultivation to demonstrate environmental and biodiversity benefits

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Signature _____

David Kane, Executive Vice President, NYC Economic Development Corporation

4. AIA New York Chapter Committee on the Environment

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AIA Committee on the Environment, New York Chapter

Tenure: 1998-2002

Synopsis:

The Committee on the Environment (COTE) of the New York Chapter aims to lead, inspire and educate its members towards the dual objectives of Design + Sustainability. COTE organizes many engaging activities and events which focus on leading architects, outstanding green buildings, current technologies and product research and sustainable design practices. With two co-chairs and a strong steering committee, COTE is one of the most active committees in the chapter. Below are the goals:

Learn: COTE will offer a diverse range of educational opportunities, including lectures by leaders in the field of sustainable design, workshops and informative sessions aimed at “take home” knowledge, and informal fun events to experience sustainable design firsthand. Connect: COTE hopes to team up with members of the sustainable and design communities to network, collaborate and co-host events. Potential partners include professional organizations, as well as other Committees of the AIA New York Chapter. Promote: Through the website and direct outreach efforts, COTE will promote sustainability messages beyond the design community to champion sustainability and good design, encourage a dialogue in the public domain, and foster an exchange of ideas. Under the strong leadership of the current co-chairs and the AIA president, two additional lecture series have reached a national audience today: Building + Energy and Architecture 2030.

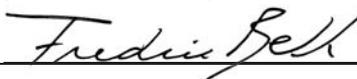
Nominee’s Role:

- Developed a strategic plan and secured approvals from the board of directors to become a formal committee at the AIA New York Chapter in 1998
- Created a lecture series as COTE founder on green design topics relevant to the New York region and produced a booklet for dissemination
- Reached out to design consultants working on current and potential New York City projects to attend lectures and to become familiar with green design topics to set the stage for project implementation
- Reinforced the professional development goals of the New York City High Performance Building Guidelines by creating a knowledge forum and roundtable
- Focused on building capacity of the new committee, built an audience base through quality programming and developed succession plans
- Received AIA New York Vice Presidential Citation for Public Outreach in 2006, sharing this honor with four successive chairs of COTE

Declaration of Responsibility:

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Signature _____



Fredric Bell, FAIA, Executive Director, AIA New York Chapter



5. AIA National Committee on the Environment

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AIA Committee on the Environment, National

Tenure: 1999-2006

Synopsis:

The Committee on the Environment (COTE) works to advance, disseminate, and advocate—to the profession, the building industry, the academy, and the public design practices that integrate built and natural systems and enhance both the design quality and environmental performance of the built environment. COTE serves as the community and voice on behalf of AIA architects regarding sustainable design and building science and performance.

The leadership team of the National Committee on the Environment (COTE) was the source of green expertise for the AIA. Their tireless advocacy made the Institute a prominent leader in the profession. Joyce was appointed to the position of Chair in 2002. COTE and its partners crafted the knowledge base behind the Leadership in Energy and Environmental Design (LEED v.1), a green building rating system currently used in over 100 countries. The Committee today is vibrant and active in many green design and construction areas, augmented by local chapters’ support and strong leadership.

Nominee’s Role:

- Led an assertive national program to continue growth of the AIA Top Ten, an award program on green design released on Earth Day each year. Processes developed under Joyce’s leadership, including a formalized jury process with vigorous criteria, resulted in a legacy effort that increased the entries multifold and is considered the premier source of sustainable design achievement
- Spearheaded the Green RFP best practices on the COTE website by interviewing progressive clients around the country. This led to a national AIA publication on best practices and a presentation at the AIA Convention in the mid 2000s
- Spearheaded the Deans’ Roundtable to discuss the future of green design. Today, most architectural programs view sustainability as a core subject. Participating universities included: Yale University, Massachusetts Institute of Technology, University of Pennsylvania, University of California, Berkeley, University of Michigan, and University of Virginia
- Renewed the Memorandum of Understanding (MOU) between the AIA and the US Department of Energy in 2002 to continue collaboration on the sharing of high performance building data and developing important metrics for the AIA Top Ten
- Successfully led the AIA team in developing a MOU between the AIA and the US Environmental Protection Agency (EPA) for the Institute to execute in 2005. This resulted in the mainstreaming of Energy Star Buildings and in creating a subsequent national conference on water and design
- Spearheaded the local signing of EPA Region 2 and the AIA New York. Brooklyn and Queens Chapters by inviting local chapter executives to solidify regional collaboration in the NYC Green Building Design Competition award

Declaration of Responsibility:

I have personal knowledge that the Nominee performed in the capacity described above.

Signature James Binkley

James Binkley, FAIA, Former COTE Chair, 2011 Thomas Jefferson Award Winner

6. Riverside Health Center First Project Demonstrating LEED Innovation Credit for Physical Activity Manhattan, New York



Strategic stair and elevator locations and their impact on health

7. Via Verde, the Green Way

First AIA 150 Legacy Project on Sustainability & Health in Housing
Bronx, New York





7. Via Verde, the Green Way

First AIA 150 Legacy Project on Sustainability & Health in Housing
Bronx, New York

Architect of Record: Dattner Architects/Grimshaw Architects

Completion Expected: 2012

AWARDS

New Housing New York winner, 2006

PUBLICATIONS

“Breaking out of the Box” Affordable Housing Finance, August 2007

“New Housing New York Winner imagines a Sustainable South Bronx” Architectural Record, January 2007

“Working-Class Housing Complex Will Rise as Part of the Greenery”, New York Times, January 2007

“New York Selects Designers/Developers for the First Green Public Housing Contest” Multi-Housing News, January 2007

“Team’s Green Vision Wins Competition for Affordable Housing” Real Estate Weekly, January 2007

“Revenge of the Stairs” British Broadcasting Company Radio 4, September 2010

“In a Bronx Complex, Doing Good Mixes With Looking Good” The New York Times, September 2011

Synopsis:

While the Via Verde, the Green Way, is a front runner in active design, this affordable housing project in the South Bronx is also a frontrunner in multiple design and planning categories. The 2006 New Housing New York Legacy Project, led by the AIA New York with collaboration from multiple city agencies, challenged design and development teams in a competition to build mixed-income, mixed-use sustainable housing developments on a brownfield site that needed rezoning.

The Phipps-Rose-Dattner-Grimshaw team won for their green-roofed “dialogue between city and garden,” expressed in a plan which combines a tower, low rise townhouses, courtyards, and roof terraces. The project reflects a commitment to create the next generation of housing while setting a trend for healthy and sustainable living.

A dynamic garden serves as the organizing element and identity for the community. The garden begins at ground level and spirals upwards through a series of programmed, south-facing roof gardens, creating an active outdoor promenade for physical activity. The multifunctional gardens for fruits and vegetable cultivation, passive recreation and social interaction, also provides co-benefits of storm water control and enhanced roof insulation.

The user friendly stairs leading to the building’s fitness center is unprecedented in affordable housing in New York. This project received the first approved LEED innovation credit with a focus on combating childhood obesity, and served as a model for other projects nationwide.

At the recent groundbreaking ceremony, Mayor Bloomberg said “Creating or preserving affordable housing is a challenge even in the best of times, and we all know that this is not the best of times.”

Nominee’s Role:

- Created an in-house understanding that this development deserves non-standard budget review because of the high density, diverse unit types, unusual site conditions and configuration
- Convinced the City review team that the green power allocation should be rewarded because this development has exceeded minimum housing design requirements to reach LEED Gold certification
- Approached the developer to consider the use of the nascent LEED Innovation Credit for physical activity and brought the active design criteria to the attention of the design and consultant team
- Developed unique credit criteria (i.e children’s playspace, walkability to school) to address childhood obesity with the help of health professionals
- Steered the consultant team through multiple credit interpretations, design modifications and resubmission to receive Innovation Credit approval from the US Green Building Council. The success of this augmented matrix in LEED New Construction also became the new credit model in LEED for Homes

Declaration of Responsibility:

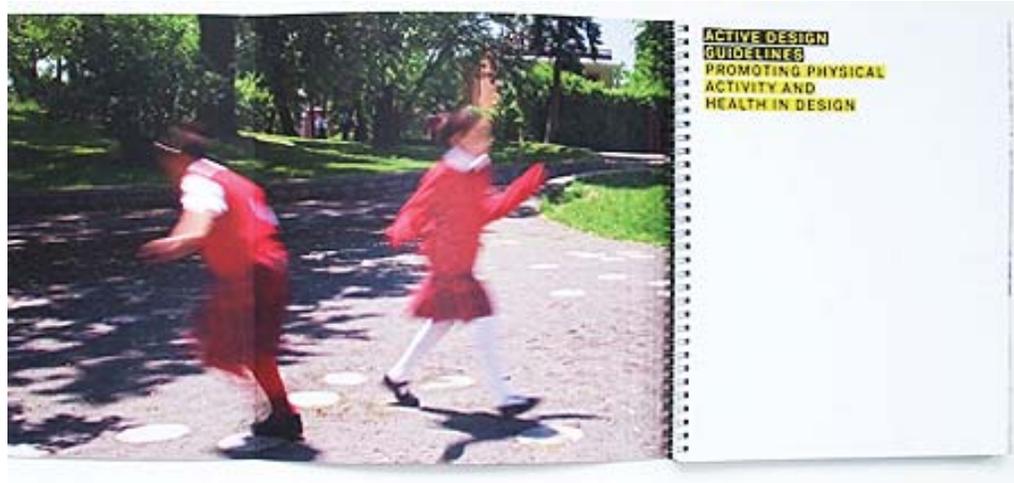
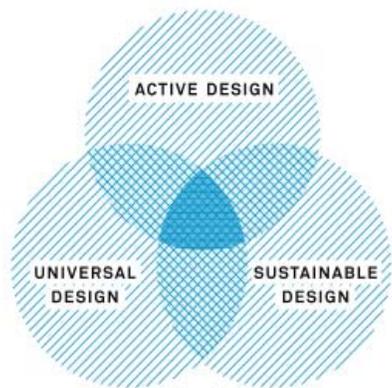
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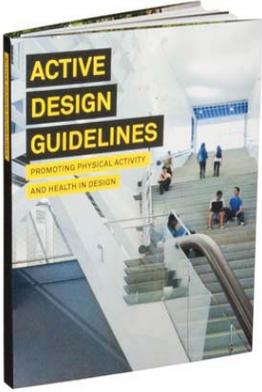
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Jonathan F.P. Rose, President, Jonathan Rose Companies

8. Active Design Guidelines

First Comprehensive Guidelines Addressing Green Health in Buildings
New York, New York





8. Active Design Guidelines

First Comprehensive Guidelines Addressing Green Health in Buildings New York, New York

Published by the NYC Department of Design and Construction
Complete: 2010

Synopsis:

Obesity and Type 2 diabetes are now epidemic in New York City. The rise in obesity is directly tied to the population's over-consumption of calories and under-expenditure of human energy, both are shaped by the built environment in which we live, work and play. The Active Design Guidelines established the need for design practices to address today's most prevalent chronic diseases, such as diabetes, heart diseases, stroke, and certain cancers. The Guidelines further provide architects and urban designers in New York City and beyond with a manual for creating healthier buildings, streets and urban spaces.

Active design is environmental design that encourages stair climbing, walking, bicycling, transit use, active recreation and healthy eating. Based on the latest academic research as well as best practices and cost-effective solutions developed in the field, the Guidelines contribute toward a more livable and hospitable city promoted in Mayor Bloomberg's Design + Construction Excellence Initiative. The four chapters are: 1) Environmental Design and Health: Past and Present, 2) Urban Design: Creating an Active City, 3) Building Design: Creating Opportunities for Daily Physical Activity, 4) Synergies with Sustainable and Universal Design.

Nominee's Role:

- Developed the initial outline of the book articulating the vision of Commissioner David J. Burney, FAIA
- Served as coauthor on the core active design guidelines team and primary author on LEED related subjects
- Focused on Synergies of Active Design with Sustainable Design and Universal Design and collected case studies for illustration purposes. Photographed best practices for use in the book
- Sought extensive feedback from the private sector design community to ensure its applicability in policy and practice
- Incorporated feedback from OMB's multiple budget task forces to identify cost effective and value added solutions
- Aligned content with concurrent City publications such as the Street Design Manual from the Department of Transportation and the Inclusive Design Guidelines from the Mayor's Office of People with Disabilities
- Identified pivotal pilot projects during the writing process to expedite implementation. To date, the LEED innovation credit has been so successful that the US Green Building Council is creating an Active Design Index and a pilot credit for further mainstreaming active design

Declaration of Responsibility:

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Signature _____

David Burney, FAIA, Commissioner, NYC Department of Design and Construction

AWARDS

Active Living Research Translating Research to Policy Award - Robert Wood Johnson Foundation, 2011

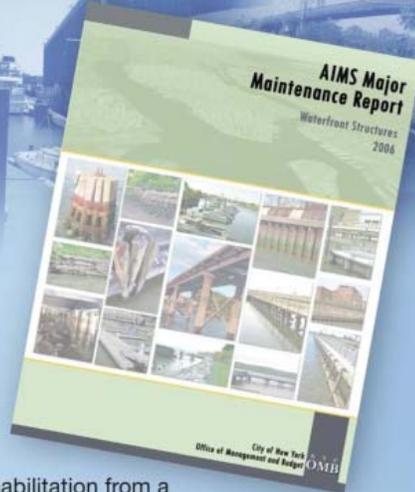
Grand Prize High Performance Building Awards, Beyond Green - Sustainable Building Industry Council, 2010

National Award for Smart Growth Achievement - United States Environmental Protection Agency, 2010

9. AIMS Major Maintenance Report
First Consortium Report Addressing Waterfront Structures
New York, New York

AIMS

Maintaining the city's waterfront

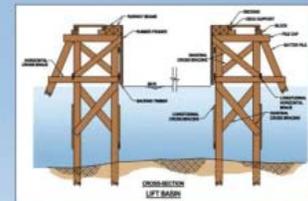
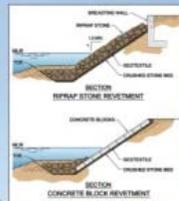
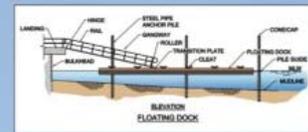
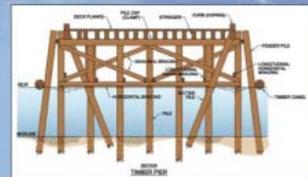


The driver behind the development of the AIMS Major Maintenance Report was to provide guidelines for those managing the waterside assets of New York City.

A week-long workshop was central to the process, bringing together decades of experience in waterfront inspection and

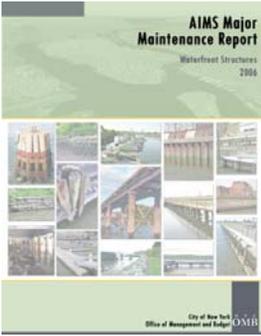
rehabilitation from a range of waterfront engineering sub-consultants.

The workshop delivered the main concepts for the report. As well as contributing significant knowledge and experience to this process, the team wrote and edited the report.



"Cities across the United States have recognized the value of waterfront property to tourism and quality of life, and have invested a great deal of capital into building new assets or improving existing assets. The Major Maintenance plan developed for New York City's Office of Management and Budget lays the foundation for maximizing the life cycle of these important assets." - George Oberlander

TITLE: AIMS Major Maintenance Report Waterfront Structures 2006
 LOCATION: New York, NY
 CLIENT: New York City Office of Management and Budget
 ENTRANT: **Halcrow IPA**



9. AIMS Major Maintenance Report
First Consortium Report Addressing Waterfront Structures
New York, New York

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Published by NYC Office of Management and Budget
Completed: 2008

Synopsis:

New York City has made great progress in redefining our waterfront as a critical asset, understanding the sense of place it can create, and reconnecting New Yorkers to the water as an additional form of open space. With the construction of publicly accessible waterfronts in the five boroughs, the City is seeing the equivalent scale of Central Park development for generations to come. At the same time, maintaining state of good repair, preserving critical environmental habitats and areas for maritime uses are critical ongoing functions.

This best practices report aims to help various New York City agencies address the complexities of providing long term maintenance while addressing water quality, and the increased levels of shipping, ferry traffic and construction activity. The report also took into consideration innovation, sustainability, and life cycle value to enhance the longevity of our aging waterfront assets.

The book is designed to complement the annual charter mandated AIMS report regarding state of good repair of the city's major infrastructure. At the time of its writing, there was no comprehensive major maintenance guide for piers, bulkhead and marinas. Illustration was key in this guide as many waterfront deterioration or maintenance breaches occur in inaccessible areas or are hidden during high tide. Through interagency, in-house collaboration and the consultant team work from Halcrow, Gannett Fleming, Vine Associates, Ocean & Coastal Consultants and PennMax, the AIMS team won a major professional award from the American Council of Engineers Companies in 2009.

Nominee's Role:

- Identified the need for a standardized approach to best practices in major maintenance on the waterfront
- Represented OMB as the client to commission the report and developed the scope of the project. Oversaw workshop participation and the finalization of the report
- Reached out to firms with waterfront expertise and assembled the team of consultants
- Created a portfolio of sectional diagrams and existing condition photos of piers, bulkheads and marinas at low-tide
- Built consensus with senior staff responsible for waterfront assets in the following city agencies: Dept. of Citywide Administrative Services, Dept. of Design and Construction, Dept. of Correction, Dept. of Parks and Recreation, Dept. of Transportation, Economic Development Corporation, Fire Dept. and Police Dept.

Declaration of Responsibility:

I have personal knowledge that the Nominee performed in the capacity described above.

Signature _____

Patrick King, Senior Vice President, Country Director US East, Halcrow Inc.

AWARDS

Platinum Award, American Council of Engineers Companies, 2009

10. High Performance Building Guidelines
First Comprehensive Citywide Green Building Guide Book
New York, New York



