



Henry P. Dobbelaar, Jr. P.E., P.P.
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Henry P. Dobbelaar, Jr. P.E., P.P.
P.O. Box 288
Hasbrouck Heights, N.J. 07604-0288

Construction & Professional Management/Engineering Background to 2024

EDUCATION:

Newark College of Engineering, BSCE
Newark College of Engineering, MSCE
Newark College of Engineering, Post MS Studies in
Construction Management and Legal Aspects in Construction, 24 Credits

PROFESSIONAL REGISTRATIONS:

Professional Engineer Registered in New Jersey in 1971.
Professional Engineer Registered in New York in 1975.
Professional Engineer Registered in Pennsylvania in 1975.
Professional Engineer Registered in Georgia in 1975.
Professional Planner Registered in New Jersey in 1984.

PROFESSIONAL SOCIETIES:

American Society of Civil Engineers - **Fellow Grade**
American Society of Civil Engineers - New Jersey Section
National Society of Professional Engineers-**Fellow Grade**
New Jersey Society of Professional Engineers – **Fellow Grade**
Bergen County Society of Professional Engineers
Professional Engineers in Construction - New Jersey
American Concrete Institute
New Jersey Concrete Institute
American Arbitration Association

EMPLOYMENT SUMMARY:

Note: See Academic Background for Summary from January 1995- July 2013

April 2015-Present

North Atlantic Advisors, LLC
Consulting Firm specializing in Owners Representative Services, Construction Management Services, Arbitration and Litigation Avoidance and Professional Services for the Heavy Transportation Contractor, Consultant and Owner.

July 2013 – March 2015

Colonnelli Bros., Inc.

Chief Business, Engineering and Planning Officer in charge of market development, engineering design and temporary construction-related design, estimating, business planning, project coordination and customer and vendor relations in the New Jersey work market for all heavy construction operations.

June 1991 - December 1994:

Northeast Bridge, Inc.

Principal/Partner, Executive Vice President and Chief Operating Officer in charge of market development, estimating, planning, project coordination, temporary designs, and customer and vendor relations in the Southern New Jersey work market for all heavy construction operations. Projects ranged in size from \$50,000 to \$10,000,000. As a Partner and under my leadership, expanded the work market of this small heavy construction firm to all of New Jersey.

As a partner, annual sales of the Corporation increased from \$3,500,000 to \$10,000,000. The range of work expanded from small structural steel projects to a complete range of heavy construction projects which included several major bridge and roadway rehabilitation projects, treatment plant expansions, small public parks and associated buildings and large commercial site development projects. In addition, during my tenure, the firm transitioned from manual estimating and project cost control to computerized systems for these very highly important time functions; also in responsible charge of four Professional Engineers on a daily basis.

Feb. 1976 - June 1991:

R. A. Hamilton Corp.

Partner, Chief Operating Officer, Executive Vice President, Chief Engineer and Chief Estimator in responsible charge of all heavy construction operations from initial project pre-planning with owner's representative through final project completion. Responsible for pre-project conceptual and detailed construction estimates, engineering, scheduling, negotiation and alternate dispute resolution with project owner. At the time of my responsible charge, the firm was a very small construction company primarily engaged in water, telephone, gas and electric utility construction for both private and

public utility companies in northern New Jersey and lower New York. Under my leadership, motivation, and direction, the firm expanded its base of operations to include all of New Jersey and increased its construction base to all heavy construction projects in this area. The firm's annual gross sales grew from \$2,000,000 to in excess of \$40,000,000. In addition, during this period the firm acquired three asphalt plants, one quarry, one sand and gravel pit operation and a concrete recycling plant. With the addition of these asphalt plants, the company once again expanded its operation to include asphalt paving lay-down work. In addition to his normal daily activities, I became directly involved in the leadership of these facilities including long range planning, management, daily operations and market expansion. During this period, typical projects ranged in size from \$50,000 to \$35,000,000. During this period I was also in responsible charge of dispute resolution, claims and various insurance accident resolutions. I continued to be involved with owners and owner's representatives on a regular basis feeling that open lines of communication solve more project problems than the legal system. In addition, during this tenure, I expanded the internal organization's estimating, project and company cost controls to a more efficient and effective computer aided process. In responsible charge of ten Professional Engineers on a daily basis.

1974 - 1976:

Conduit and Foundation Corp. - Project engineer and project estimator for various heavy construction projects within the New York-New Jersey area, including pile and foundation construction at River Side Square in River Edge, New Jersey, and pump station construction for the Ocean County Sewerage Authority. This project included construction of a temporary earth retaining system using ground freezing in lieu of the traditional steel sheeting methods normally used.

1971 - 1976:

Orion Contracting Co., Inc. - Project Manager and Chief Engineer in charge of heavy construction estimating and overall management of several multi-million dollar interstate highway projects.

1968 - 1971:

Mohawk Constructors, Inc. - Project Engineer in charge of engineering, concrete operations and site design for three 1970 New Jersey Turnpike Widening Projects and two interstate highway projects.

1966 - 1968:

Schiavone Construction Co. - Project engineer and office engineer for heavy construction projects including several interstate highway projects, PONYA port and marine construction, and Exxon fuel tank construction.



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Academic Background from September 1994 through December 2013

ACADEMIC EMPLOYMENT

SUMMARY:

September 1994 through December 2013:

Stevens Institute of Technology

Professor & Construction Management Director, Sept. 1994-Dec. 2013

Vice President Facilities/Support Services, July 2002 -Dec. 2013

Prior to September 1994 Stevens Institute of Technology offered several courses in construction-related topics on the Graduate Level which were very popular within the Civil Engineering student population. During the spring of 1994 it was decided to review the possibility of offering a Masters Level Degree Program in Construction Management. An advisory study committee was formed under my leadership as an Adjunct Professor to make a complete review and five-year analysis of projected student population, costs, possible curriculum selections and a background search of similar programs throughout the country. Once the study was completed and reviewed with the Graduate School, it was decided to move forward with curriculum development that occurred during the early summer of 1994. At this time I agreed to become the Construction Management Director and Distinguished Service Professor in the Civil, Environmental and Ocean Engineering Department on a full-time basis. Upon assuming this role at Stevens, my duties included on the Graduate Level the following functions: Construction Management Program Design, authorship and evaluation of present construction course curriculum, development and implementation of the marketing plan for the program, work directly with the design professional/construction industry groups and associations to be better able to address their educational and employment needs and concerns. In addition, I am the advisor for all new construction management/engineering graduate students that enter the Masters Level and also provide employment opportunities for those students who are seeking a change in career direction or simply a part-time construction related internship. I also select and mentor part-time and adjunct faculty to instruct those classes that I am not directly instructing. I take great pride in providing positive input and enhancing the classroom environment with real business problems and construction related situations for student leadership teams to review, analyze and communicate to their peers possible positive directions and solutions to take. During my tenure at Stevens, I have also established and continue to maintain a strong link and relationship with the undergraduate junior and senior level civil engineering students. I continue to teach Materials of Construction and

Senior Design, both undergraduate classes, and advise and assist undergraduate students on the practical aspects of Civil Engineering and

Construction Management along with aiding them with their employment search. I am also presently the Co-Advisor for four PhD students in the Civil Engineering Department. The following is a list of academic advances that have been made during my tenure that have advanced the Civil Engineering Department and Stevens Institute of Technology:

1. Development of the Construction Management Masters Degree Program from inception (the 1994-1995 Fall Term).
2. The Construction Management Masters Program has expanded from only a few students to better than one hundred students.
3. The Program regularly graduates on average, forty five students per year.
4. The Program regularly receives more than fifty new full and part-time students each year.
5. Has communicated across school lines and developed a strong working relationship between The School of Engineering and The School of Management.
6. Has developed a strong working relationship with various employers of Civil and Construction Engineering students such as the following:
 - a. Schiavone Construction Co. Inc.
 - b. Yonkers Contracting
 - c. George Harms Construction
 - d. D'Annunzio & Sons
 - e. Anselmi & DeCicco
 - f. J. Fletcher Creamer & Son
 - g. Boswell Engineering
 - h. A. G. Lichtenstein & Associates
 - i. M. J. Paquet
 - j. Railroad Construction Company
7. Continues to have a close working relationship with construction and professional organizations such as, New Jersey Utility & Contractor Association, New Jersey AGC, The Moles, the Construction Industry Advancement Program of New Jersey and The New Jersey Society of Professional Engineers.
8. With the development of the Construction Program, the Civil Engineering Masters Program began and continues to expand with cross over students.
9. Has developed in co-operation with the New Jersey Utility and Transportation Contractors Association, the Graduate Construction Management Scholarship of \$2,500 is given annually to a Construction Masters student.
10. Has developed a strong working relationship with faculty in the School of Engineering, enabling them to draw upon my long industry relationships and experience.
11. Has nominated six successful candidates in the past eight years for

The New Jersey Professional Engineers in Construction Sol Seid Student Scholarship awarded to a third year Civil Engineering Student selected from the five universities that offer engineering in New Jersey. This \$5,000 scholarship is awarded at The PEC Annual Awards Banquet in April of each year.

12. Has coordinated and expanded the F.E. Review given at Stevens for students taking the Fundamentals of Engineering Examination during the April exam period.
13. Has established the Construction Engineering Institute at Stevens in 1998-99. This organization offers direction and guidance to its members in the area of construction related research and problem solving.
14. Is the advisor and has successfully implemented the Civil Engineering Honor Society at Stevens in November 1998. This organization is now the 125th Chapter of CHI EPSILON, The National Civil Engineering Honor Society.
15. Updated and revised the Construction Curriculum to include more in-depth PC/Notebook oriented software for cost estimating, project scheduling and project organization.
16. Continues to make professional presentations to groups such as the New Jersey Surety Association, the New Jersey Society of Professional Engineers and the Associated General Contractors Association of New Jersey on various topics deemed critical to the Industry.
17. Continues to work as a consultant to the construction and design professional industry.
18. Is a member of the National Society of Professional Engineers PEC Practice Division Committee on Professional Engineer Licensure in Construction.
19. **Since July 1, 2002 Mr. Dobbelaar has assumed the role of Vice President of Facilities/Support Services and Community Relations at Stevens Institute of Technology which includes all Capital Construction, Maintenance, Relations with the City of Hoboken and Security of the School's 55 Acre Campus. This position involves complete responsibility for all operations of the Physical Plant, all on campus capital and minor construction projects and internal major maintenance. The Vice President of Facilities reports directly to the President of the Institute and the Chairman of the Board of Trustee Facility Committee. He is responsible for insuring that conceptual and final construction budgets are established within realistic cost parameters and those established budgets are adhered to. The Vice President of Facilities is responsible for construction administration, contract review, selection and interaction with all design professionals in addition to procuring outside contractors, within the established budget constraints, for all major capital construction and**

maintenance projects and having a positive interaction with client requesting said improvements. Stevens Institute has completed two Capital Construction Programs which included construction of a ten story Academic Building and Garage, reconstruction of a ninety year old gym and retrofitting attic space within the Founder's Building into the headquarters Office of the Provost, the Chief Academic Officer of the Institute. This 2002 Capital Construction Program totaled \$59,000,000. The second Capital Construction Program consisted of expanding three one hundred year old brownstone complexes into suite style student residences. This 2004 Capital Construction Program totaled \$13,500,000. Both Capital Programs have been successfully completed under the direction of Vice President Dobbelaar and are below the established construction budget. The Vice President also interacts with the Stevens Community to have a clear understanding of what the clients needs are in addition to the constraints that the client may be imposing for said improvement. The Vice President of Facilities also interacts with the Hoboken Community on a daily basis and in that role has developed the Stevens Campus Master Plan from 2003 to 2008. The Stevens Master Plan for this time period was developed in close working relationship with the City of Hoboken, as Hoboken developed their new Master Plan Document based on the recent upgrading of the community from a blue collar neighborhood to a highly motivated professional urban community. Presently, the Vice President of Facilities is leading a committee consisting of the Provost and Vice President of Enrollment Management in redeveloping the Institute's next five-year Master Plan in concert with the Stevens academic growth plan. This plan includes capital construction and permitting of a new 100,000sf Academic Facility with enclosed garage and a 535 bed dormitory on the upper campus. Vice President Dobbelaar interacts in a highly professional manner with the Stevens diverse community and continues to work towards a harmonious relationship with the City of Hoboken, its' administration, its' residents and the Stevens community.



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PROFESSIONAL, INDUSTRY & COMMUNITY BACKGROUND

Professional:

New Jersey Society of Professional Engineers

- 1998-99 - Trustee at Large
- 1998-00 - Vice-President, Chairperson Education Committee
- 2000-01 - Vice-President
- 2000-01 - President

Bergen County Society of Professional Engineers

- 1998-99 - State Chapter Delegate
- 1999-2000 - President, Program Coordinator and State Chapter Delegate

New Jersey Professional Engineers in Construction

- 1974-Present - Member
- 1995-96 - Vice Chairman
- 1996-97 - Chairman-Elect
- 1997-98 - Chairman & Sol Seid Scholarship Committee Member
- 1998-99 - Immediate Past-Chairman & Sol Seid Scholarship Committee Member Sol Seid Scholarship Committee Member
- 2000-03 - Vice-Chairman & Sol Seid Scholarship Committee Member

New Jersey Chapter American Concrete Institute

- March, 2000 -2007 - Judge Annual Concrete Awards for New Jersey

American Consultant Engineers Council of New Jersey

- December 2000 to 2014, Judge Annual ACEC Awards Competition for New Jersey

Stevens Institute of Technology

- 1985-86 - Initial development of Construction related courses for inclusion in the Civil Engineering Master of Engineering Degree Program

Industry:

- 1976-Present - Member New Jersey Utility & Transportation Contractors Association
- 2000-2013 - Member Associated General Contractors of New Jersey
- 1987-91 - Membership Committee Utility & Transportation Association
- 1987-94 - Specification Committee Utility & Transportation Association
- 1987-97 - Specification Subcommittee, Parkway/Turnpike Co Chair Utility & Transportation Association

- 1988-Present - Golf Outing Scholarship Committee Utility & Transportation Association
- 1995-06 - Scholarship Committee, High School, Undergraduate and Graduate Utility & Transportation Association
- 1987-90 - American Road and Transportation Build. Assoc., Bridge Repair Committee
- 2010-Present - Member of The Moles

Community:

- 1975-1988 - First Reformed Church of Hasbrouck Heights, Chairman of Buildings & Grounds
- 1982-91 - Trustee Hasbrouck Heights Board of Education, Chairman of Buildings & Grounds, Chairman Building Addition Committee, Vice-President, President
- 1982-91 - Hasbrouck Heights Board of Adjustment
- 1985-Present - Member & Chairman Hasbrouck Heights Planning Board
- 2000-03 - Member Library/Senior Citizens Building Committee
- 2000-03 - Member Municipal Building Fire Damage Rebuilding Project

