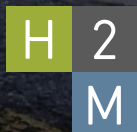




proposal for

Architectural/ Engineering Services



architects + engineers



proposal for

Architectural/Engineering Services

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architects + engineers

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April 18, 2019



architects + engineers

2700 Westchester Avenue, Ste 415
Purchase, NY 10577 | tel 914.358.5623

April 18, 2019

Ms. Kathleen Ryan
Interim Assistant Superintendent for
Finance & Operations
Briarcliff Manor Union Free School District
45 Ingham Road
Briarcliff Manor, NY 10510

**Re: Response to Request for Proposal
Briarcliff Manor UFSD
Architect/Engineering Services**

Dear Ms. Ryan:

Please accept the enclosed as H2M architects + engineers' (H2M) submission for the above referenced RFP. H2M is a multi-disciplined architectural and engineering firm with over 425 professionals on staff. Our specialty areas of practice are:

- Architecture
- Structural Engineering
- Civil Engineering
- Mechanical/Electrical Engineering
- Environmental Engineering
- Survey
- Landscaping Architecture
- Construction Administration

H2M is currently performing work for several local school districts. We are familiar with the proposed scope of services and have successfully completed hundreds of capital projects, bond referendums and have provided a wide range of professional services over the past 19 years servicing the education market. We recently provided the pre-bond services for Hastings on Hudson's successful bond referendum.

We believe that H2M is only one component of the "Team" which includes the District, Facilities Department, State Education Department, its Advocate and Construction Manager. Communications and meeting our client's expectations is our primary goal and we approach each project with that thought process.

H2M has assembled a dynamic, proactive, knowledgeable, and technically sound team. Our team, led by senior architects with extensive experience in K-12 projects, is passionate about the service it provides and is well positioned to support the Briarcliff Manor Union Free School District through its next phase in pre-bond planning, design and construction.

We look forward to working with Briarcliff Manor Union Free School District on this endeavor and appreciate the opportunity to submit our proposal. Please feel free to contact me at 631-756-8000 ext.1359 if you have questions or require additional information. We appreciate the opportunity to submit our qualifications and thank you for your consideration.

Very truly yours,

H2M architects + engineers

Saverio J. Belfiore, AIA, CSI
Vice President, Deputy Market Leader for Education



here at H2M, we value people.

H2M was organized in 1933 and founded on professional excellence, hard work and integrity.

The company has a long history of client service and the consistent ability to meet tough architectural, engineering, and environmental challenges. Providing seasoned judgment, quality service, technical skill, vision, and resourcefulness, H2M remains committed to achieving each of our project's goals in step with the market and in harmony with the environment.

Operating Philosophy

The operating philosophy at H2M is based on the following core values:

Respect: We respect each other's ideas and contributions and are committed to open, honest communication.

Dedication: We are responsive to our clients' needs and go above and beyond to get the job done.

Integrity: We are honest and ethical in our business practices and build trust with our clients and staff.

Teamwork: We cooperate, collaborate and work together as part of a team.

Community: We are committed to the health of our local communities and our legacy.

Creativity: We believe in the importance of innovation and seek new, creative and sustainable project solutions.

Practicality: We are dedicated to providing efficient, cost-effective solutions to our clients' problems.

Opportunity: Our success begins with our people. We value organic growth, empowering our employees and fostering their development.

Services

H2M is a multi-disciplined, professional design and consulting firm that offers services in the fields of architecture; interior design; plumbing, electrical, mechanical, HVAC and structural design and engineering; civil/site design and engineering; traffic engineering; roadway design and engineering; surveying; land use planning; environmental planning; GIS/mapping; hazardous material testing and abatement, sustainable building and system designs and construction administration/inspection services. H2M also has experts in water supply and treatment; wastewater management; environmental engineering including site investigation and remediation; solid, industrial and hazardous waste management and air quality control.



H2M has completed thousands of private, public and municipal projects...

H2M's Organization

"H2M" refers to H2MArchitects, Engineers, Land Surveying and Landscape Architecture, D.P.C. and/or its subsidiary H2M Associates, Inc., and/or its affiliate H2M Architects & Engineers, Inc. and Pacheco Ross Architects, a division of H2M architects + engineers, as appropriate to the context. Pacheco Ross Architects was acquired by H2M in 2016, and specializes in the design of emergency response facilities. Each company's professional resources are available to the others to the maximum extent permitted by applicable state laws. H2M will not practice, and should not be interpreted to be offering to practice, any professional service for which it and its cognizant employees are not properly licensed.

Offices

H2M has eight office locations. Our headquarters is in Melville, New York. The other seven office locations are in Westchester, Suffern, Albany, New York City and Riverhead New York and Parsippany and Wall Township, New Jersey.

Staff Resources

Currently, H2M has staff resources of over 425 employees. Our staff consists of architects, engineers (environmental, mechanical, electrical, water supply, sanitary, chemical, civil, traffic and structural), geologists, hydrogeologists, environmental scientists, surveyors, chemists, biologists, toxicologists, industrial hygienists, construction inspectors and related technical support personnel.

H2M currently has 78 licensed engineers, 57 registered architects, two licensed land surveyors, two licensed landscape architect, and seven professional planners. H2M also has 35 LEED accredited professionals in the disciplines of architecture, civil engineering, mechanical engineering, plumbing engineering, electrical engineering and structural engineering.

Contacts

Principal in Charge:

Saverio J. Belfiore, AIA, Vice President
H2M architects + engineers
2700 Westchester Avenue, Suite 415
Purchase, NY 10577
sbelfiore2h2m.com

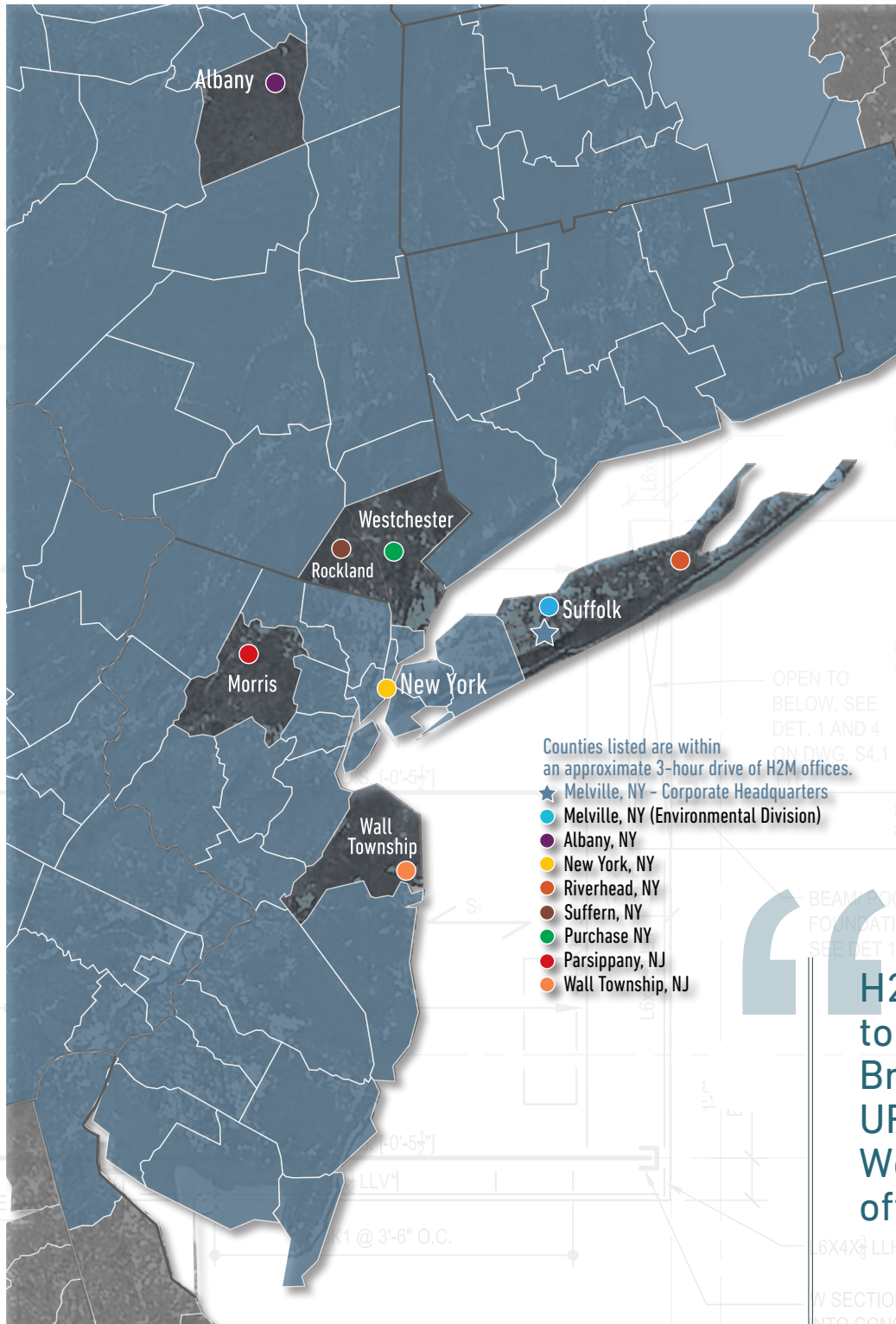
Westchester Office Director:

Veronica E. Byrnes, R.A., LEED AP
Assistant Vice President
(914) 358-5623 x1331
vbyrnes@h2m.com

Conflict of Interest

No conflict exists between H2M and the Briarcliff Union Free School District.

Geographic Coverage



H2M serves the school districts, municipalities, public agencies, private utilities, and industries of the New York Metro region, with eight active operating locations.

See our
Service Area
Map for
greater detail.

H2M proposes to service the Briarcliff Manor UFSD via our Westchester, NY office.



Project Understanding & Approach

Project Understanding And Approach

The Briarcliff Manor Union Free School District (the District) located in Briarcliff Manor, New York, has a land area of 5.3 square miles and an enrollment of approximately 1,450 students in grades K-12. The total square footage of District buildings is 355,933 with a K-5 elementary school on one campus and a combined middle and high school on the second campus.

The District's recent \$34M Bond Referendum was rejected by the community and it now wishes to develop a new strategic approach to engaging the community, reconciling the needs of the District and developing a direction which may include multiple referendums moving forward.

The District's Team will include a Facilitator/Advocate, the A/E Firm and a Construction Manager to assist in guiding future referendums and projects to their successful conclusion. A number of "shovel ready" projects will be considered by the community in late May 2019.

The District's Board of Education must have building condition survey examination in 2019 and report completed for its facilities by 12/31/20 and submitted to the NYSED by 1/15/21. The District's five-year capital facilities plan must be updated to cover the years, 2019-2024.

In addition, the District recognizes there is a need for repairs, renovations and space modifications and other upgrades to bring its buildings up to current code and enhance the learning environment. Therefore, it is considering placing a capital construction project proposition before resident voters sometime in the near future. It is anticipated that this project will involve renovating space to support student programs, cafeteria and kitchen updates, as well as upgrades to existing building systems such as mechanical, plumbing, electrical and general construction. One or more capital projects to address building condition survey findings and other program needs will be considered. H2M proposes to assist the Briarcliff Manor Union Free School District with the following phases of effort:

Phase 1:

H2M will conduct a Building Condition Survey for all buildings, develop a new District-wide Five-Year Capital Facilities Plan (Long Range Plan for Educational Facilities) and a Facilities Needs Assessment Summary based on the Plan. H2M will work with District representatives to evaluate K-12 facility capacity to advance the District's: safety/security, student guidance and support services, DW educational program, science and library/maker space capacity, and athletic program. H2M will develop a comprehensive study to determine the most appropriate capital construction project(s) which will meet the District's

current needs in terms of building renovations and upgrades as well as future district-wide needs in terms of educational space at the most reasonable cost to the District.

The Phase 1 Building Condition Surveys must commence in 2019 and immediately upon the award of this contract. The full reports will be completed by 12/31/2020 and formally submitted to the New York State Education Department by 1/15/2021. The District's five-year capital facilities plan for the years 2019-2024 will be updated during this period.

Phase 2:

During the initial of perhaps several Pre-Bond Phase(s), H2M will work with the District to develop a conceptual overview and preliminary design including costs estimates for presentation to the Board of Education and community for project approval.

Phase 3:

H2M will assist the District in obtaining Board of Education and community support for the project and the findings. Upon District approval H2M will develop the detailed plans and specifications for construction.

Phase 4:

H2M will provide architectural oversight of the project from the start of the construction to completion.

Based upon the scope outlined within the RFP and our meeting with the school district at the pre-proposal conference; H2M has a full understanding of the services required and proposes to complete Pre-bond Services to assist the School District develop their capital program and, once the public referendum passes, H2M can provide Post Vote Services as outlined.

Scope of Services for the Briarcliff Manor Union Free School District

H2M will provide programming, architectural, structural, mechanical, plumbing, electrical, plumbing, civil and landscape services through in-house staff in accordance with the Manual of Planning Standards by the State Education Department and in consideration of all applicable local, state and federal codes, including the following scope of services for the Briarcliff Manor Union Free School District:

As requested by the District, H2M will perform the following work:

- Conduct an immediate facility review that will lead to work being considered for a capital project referendum in 2019/20 and then for the submission of a Building Condition Survey of all schools in 2020/21. Draft the District's initial Five-Year Capital Facilities Plan for the years 2019-2024, and then for 2020-2025.
- Provide architectural/engineering/project cost and design for general capital project work each year such as: plumbing, masonry, heating, site work projects, mechanical, structural engineering etc.
- Develop conceptual construction options for consideration by the Board of Education and community as a result of the Building Condition Surveys and recommended building improvements contained in the District's Five-Year Capital Facilities Plan, including desired security enhancements.
- Make formal presentations to the Board of Education and various constituencies (including, but not limited to, Board committees, District staff, parents, students, and the general public).
- Arrange for appropriate preliminary testing to determine the presence or absence of substances and/or soil borings that will impact the scope and cost of proposed projects (asbestos, PCB's, etc.), in accordance with the District's Purchasing Policy.
- Prepare Preliminary Plans in accordance with Section 155 of the Regulations of the Commissioner of Education as well as other documents required for Preliminary Approval by the State Education Department, perhaps in several phases.
- Prepare Final Plans and Specifications along with other required documents for submission to the NYS State Education Department, and likely for expedited review, in order to obtain a Building Permit.
- Provide complete and accurate architectural and engineering services as required for approval of this project and issuance of a Building Permit, as well as Certificate of Occupancy, by the NYS State Education Department.
- Prepare bid documents for all trades and conduct the bidding process working collaboratively with the Assistant Superintendent for Finance & Operations.
- Assure that the project will be completed on a timely basis, meeting any and all deadlines established by the District or State Education Department.
- Provide estimated and actual costs based on the categories of expenditure required by the New York State Education Department on an ongoing basis throughout

the project, until the last contractor has received final payment. Review and approve all contractor payment applications.

- Keep the total cost of the project within the budget approved by the voters of the District with emphasis on limiting the number of construction change orders. Ensure that Change Order costs are valid and prepare and process required paperwork. Provide regular reports to the District for same.
- Participate in the preparation of a punch list for each contractor at the conclusion of each project. Ensure that Fire Inspections are arranged and submit a Certificate of Substantial Completion to the District and to the State Education Department at the appropriate time.
- Simultaneously submit to the District's contact person all documents sent to the State Education Department, or a written notice clearly describing such documents.
- At the close of the project, submit a breakdown of the actual costs incurred in the same format as required by the State Education Department for submission of the Final Building Project Report (also referred to as the "Final Cost Report").

Standard Procedures

Having been the architects/engineers for numerous School Districts over the years, we are thoroughly familiar with the process of completing Building Condition Surveys to establish a baseline, assisting Districts in preparing Pre-Bond documentation as well as developing successful Bond Projects.

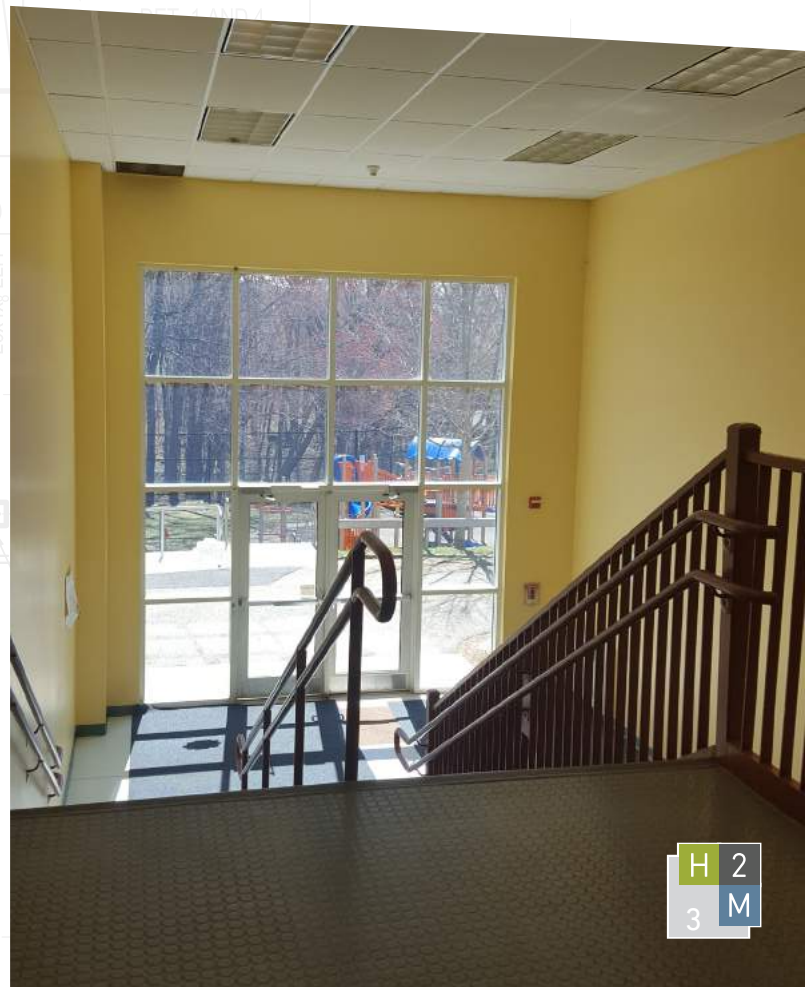
For proposed projects, we will have our team of professionals visit the Districts schools to perform detailed inspections of all building areas and major systems to verify existing conditions. During this process, we may recommend performing destructive probes to confirm conditions not visible or perform environmental testing of suspect construction materials that require special handling if impacted by the proposed scope of work. At the conclusion of our preliminary investigations, the design work will proceed.

Project Scheduling

Many clients have stated that the ability to deliver a quality product on time is the single most important factor in the selection of an A/E firm. In this regard, we take pride in our ability to quickly mobilize, assign staff and complete projects under some very difficult schedules. Since we also believe that the ability to deliver a quality product on time is one of the most important factors to a client, we put a great deal of effort into maintaining a corporate schedule. In order to assist us in

assuring that all of our projects are on schedule, we conduct a weekly "Project Scheduling Meeting". At the meeting, a group consisting of project managers, project principals and department managers review the status of all active design projects and address conflicts, delays, manpower needs, coordination between departments and other issues that impact a project's schedule. Information required or needed of consultants is brought in by the responsible project managers. All of the company's department managers and project managers attend the meeting so that if there is an issue or if additional staffing is required for a particular project to keep it on schedule or additional hours are required of staff members to meet deadlines, all can participate in any discussion prior to making the necessary adjustments.

In addition to the company scheduling meeting, the Client Manager will also hold project meetings (typically weekly) with the various team members to discuss project status and progress, address questions and issues on the project, identify questions that need to be presented to the Client, and obtain resources as necessary to maintain the project schedule.



Quality Assurance, Quality Control

H2M has long recognized the importance of quality control and is always striving to strengthen and improve the quality of our work. As such, H2M has implemented a formal QA/QC program, which is directed by one of our Senior Architects, Lawrence Feeley, R.A. As the Director of the QA/QC program, Mr. Feeley meets with each of the company's department managers and their key staff members regularly to discuss company procedures, training needs, coordination, scheduling, construction feedback and other topics related to improving the quality of our work product. As a result of these meetings, new policies and procedures are developed at the department level and company-wide. Ideas are shared, and procedures that have been proven successful for one department are discussed and shared with other departments. The concept of the program is to instill

quality at the grass roots level and implement procedures that will minimize the dependence on solely "end of project checking".

In addition to the above information, we have many other systems and procedures in place to assure that a project is managed well, has proper communication and is a success. We hope to be able to demonstrate all of these processes to the District should we be selected for this project.

State Education Department (SED) Experience

H2M has an excellent working relationship with the State Education Department of Facilities Planning. SED is an integral part of the team for us as professionals and for the school districts in maintaining school facilities. We have developed a reputation with SED of providing complete and accurate design documents that meet or exceed all applicable codes and regulations. We have frequent communications with SED on behalf of our school districts for each project from inception through the final cost report filing. For the Briarcliff Manor Bond projects, we will be interfacing with our Albany office in order to maximize close contact with SED. Because of the office's proximity to SED, we can easily take advantage of opportunities for one-on-one consultations and even hand deliver documents when required to speed the approval process along.

Having worked on hundreds of K-12 public school projects in New York, H2M has extensive experience with the NYSED project application and approval process. We understand when specific forms in the "Final Submission Forms Workbook" need to be submitted and when District signatures are required. We have coordinated submissions and approvals for both SHPO and SEQRA. H2M works closely with SED reviewers to achieve final approval of plans and specifications in order to obtain a Building Permit. We have also successfully obtained approvals for numerous projects this past year through the new Third-Party Review process, which Districts have been selecting in order to shorten the long review waiting period. We continue to monitor project reporting requirements and submissions throughout the construction stage, such as the Certification of Substantial Completion, and work with the NYS Dept. of Labor regarding Prevailing Wage Rates for projects.

Establishing Budgets and Controlling Costs

H2M has developed an extensive system for tracking project financials. Depending on particular District needs, we have developed several successful spreadsheets which list projects by SED control number, source of funding, stage of design, submission to SED, permit issue dates and closeout.



The Chart utilizes industry standard spreadsheet software and is updated bi-weekly during the projects duration. In addition, we can track a project's construction award amount, change orders, A/E services, additional testing and other District soft costs on a single sheet which has been an invaluable tool during our most recent bond issues and capital projects.

As with any project, state aid reimbursement is a critical component of funding the project's cost as well as ensuring to the taxpayers a sense of accountability and duty to maintaining current tax levies. H2M works carefully with SED at the project's inception to determine its eligibility for aid and how to maximize aid reimbursement.

One of the challenges H2M faces for school district projects is grouping different projects together, at different sites, in an effort to increase efficiency and ensure the most value of the construction dollar (maximize state aid). We are experienced in understanding how to package similar projects together to maximize state aid.

Construction Administration Experience

H2M has developed a reputation of being tough but fair with the contractors awarded to our client's projects. As described in our approach, the design team remains consistent throughout the entire project, and into the construction phase. This provides our clients with the most knowledgeable team to monitor the construction and interpret the intent of the project, ensuring that our client's expectations as established in the design phase become reality. Having worked on similar projects over the years, we take seriously our role in protecting the District's interests during construction so that projects are completed on time, within the budgets set, and ultimately closed out in compliance with SED.

It is our understanding that the District intends on awarding a contract for Construction Management services, as well as this contract for Architectural and Engineering services. H2M will work closely with the firm that is selected by the District throughout the project durations.

Construction Issues/Claims

H2M works very closely with our clients to avoid or reduce the construction claims during a project. First, we put together a very well-coordinated and detailed set of construction documents to minimize issues during construction. We are very involved in reviewing contractor qualifications during the bidding process to ensure that the lowest qualified bidder is selected for a specific project. If issues arise during

construction, we are proactive in resolving construction claims by working closely with the school administration and its legal counsel as part of the team to enforce contract terms.

Cost Estimating

We have a very good track record in meeting our client's budgets. H2M's process for developing cost opinions is to first clearly define the scope of work for each project. During the development of the projects, our team of architects and engineers work closely together in preparing detailed cost opinions that reflect current construction costs and, more importantly, projecting out these costs out over several years when the majority of the funds are needed during the construction phase. Our cost opinions are always prepared by licensed professionals who have extensive experience within their area of expertise. At H2M, we utilize both estimating software, calibrated to the specific location, including inflation factors and cost indexes for each trade in preparing cost estimates for the proposed work. In addition, H2M has an extensive library of recently bid projects to cross reference our cost opinions to ensure accurate numbers within the local of the projects. We work with numerous product manufacturers to track current and potential future price increases in materials and labor that could impact projects scheduled over several years. We are currently seeing price increases in materials and labor as the economy continues to improve. These increases have been anticipated due to our consistent communication with manufacturers, vendors and contractors who provide feedback on material and labor prices changes.

Concept designs for school classrooms and library spaces follow.



Hampton Street Elementary Library – Mineola, NY



Hampton Street Elementary Library – Mineola, NY



Hampton Street Elementary Library – Mineola, NY



Malverne Union Free School District



Walt Whitman High School Library – Huntington Station, NY



Walt Whitman High School Library – Huntington Station, NY



Walt Whitman High School Library – Huntington Station, NY



Massapequa High School Cafeteria & Cyber Café – Massapequa, NY



Massapequa High School Cafeteria & Cyber Café – Massapequa, NY



Experience & References

H2M has extensive experience in the educational field and has completed dozens of projects for numerous school district clients from inception to completion for over 20 years. Along with references, this section includes a selection of projects which show our experience in designing public school buildings and analyzing program requirements.

H2M began serving the educational market by completing detailed capital improvement plans and analyzing existing facilities. Our experience quickly grew into providing creative solutions to our clients solving complex special issues within budget. As a result, today we have successfully completed projects ranging from site work to exterior modifications, from interior renovations to building additions, with a full complement of MEP and structural engineering support. We are currently providing A/E services to Hastings-on-Hudson Union Free School District, Syosset Central School District, South Huntington Union Free School District, Kings Park Central School District, Harrison Central School District, White Plains Public Schools, Uniondale Public Schools, Middle Country Central School District, Mount Sinai School District, Pocantico Hills Central School District, Somers Central School District, Elmont Union Free School District, Farmingdale School District, Locust Valley Central School District and Nassau BOCES.

By having all architectural and engineering disciplines under one roof, H2M can effectively perform the requirements of the work outlined in this RFP and can quickly respond and assemble a team of licensed architects and engineers in every discipline to meet the needs for each project that arises.

Letters of recommendation can be provided upon request.



White Plains City Schools

Contact Person

Frank Stefanelli, (914) 422-2049

Project Location

District Wide

Project Description

District wide capital improvements

Original Estimated Construction Cost

\$48,000,000 Bond

Final Actual Construction Cost

Estimated at \$52,000,000 which includes an increase in scope to several projects including an additional \$2,500,000 for a district wide wireless technology project

Completion Date

Ongoing; construction started in 2013 and was completed in 2017

Key Personnel Involved in the Project

Guy Page, Veronica Byrnes, Philip Aliberto, Cole Podolsky, Michael Lantier, James Williamson



Harrison High School

Contact Person

Robert Salierno, Assistant Superintendent for Business, (914) 630-3008

Project Location

Harrison High School

Project Description

Track Replacement

Original Estimated Construction Cost

\$300,000

Final Actual Construction Cost

\$256,470

Completion Date

August 2017

Key Personnel Involved in the Project

Lance McAllister, Brian Leger

Pocantico Hills Central School District

Contact Person

Marianne Heslin, Assistant Superintendent for Business(914) 631-2440

Project Location

Pocantico Hills School

Project Description

Interior renovation to Auditorium and prebond services for Fall 2018 Bond

Original Estimated Construction Cost

\$630,000 / \$7.5 million

Final Actual Construction Cost

650,000 (For Auditorium renovation project)

Completion Date

February 2018 (for renovation)

Key Personnel Involved in the Project

Veronica Byrnes, Marsha Leed, Alex Hochhausl, Michael Lantier

Hastings on Hudson Union Free School District

Contact Person

Maureen Caraballo, Treasurer (914) 478-6405

Project Location

Farragut MS/HS Campus and Hillside ES

Project Description

New athletic fields, new electrical services, roof replacements and various interior upgrades

Original Estimated Construction Cost

\$9,000,000 Bond

Final Actual Construction Cost

\$9,000,000

Completion Date

Completed 2017

Key Personnel Involved in the Project

Guy Page, Veronica Byrnes, Cole Podolsky, Michael Lantier, Alexander Hochhausl, P.E.



Current Workload & Construction Costs

Local School Districts	Work Description/Funding	Construction Value	Schedule	% of Change Orders on Recent Projects
White Plains	Capital Projects	\$10 million est.	2017/18	0%
Hastings-on-Hudson	Capital Project/Bond	\$1 million / \$15 million est.	2014/18	-.72%-1% ¹
Harrison	Bond Projects	\$49 million	2017-2021	2.5%
Mount Pleasant	Capital Project/Bond	\$4.5 million/39 million	2015/21	3.46% ¹
Irvington	Capital Project	\$15 million est.	2018/2021	-

1. Change order amount reflects additional environmental testing.

Why Choose H2M?

What sets H2M architects + engineers apart and why should we be selected for this assignment?

- We are a full-service A/E firm with all disciplines under one roof with one source responsibility.
- We have constant communication throughout; we design according to clients' needs.
- Our team has extensive experience in the education market who are passionate about their fields of expertise and enjoy serving our clients.
- We have many LEED Accredited Professionals and we believe in Sustainable Design.
- We provide custom project financial tracking schedules and support.
- We provide quick in-house response throughout design and construction process.
- We are an 86-year-old firm, dedicated to our community and our legacy.



Hastings-on-Hudson

Union Free School District



District-Wide Capital Improvements

We assisted the Hastings-on-Hudson School District with a District-wide capital improvement plan resulting from an \$8.2 million bond in 2014.

services

This project includes improvements to the District's Middle/High School and to Hillside Elementary School, totaling 1.4 million square feet. The types of architectural improvement projects include building exterior envelope upgrades (roof replacement, masonry restoration), interior upgrades (walls, floors, ceilings, doors and ADA accessibility), mechanical and electrical system upgrades, and track and field improvements. We also completed the 2015 Building Conditions Survey and a 5-Year Plan for the District.

One of the major projects include improvements to Reynolds Field at the Middle/High School which includes retaining wall and a new press box; the expansion of Burke Field; replacement of the High School gymnasium and Middle School auditorium roofs; exterior masonry restoration; replacement of interior doors; upgrades to electrical service; boiler burner replacement; and interior renovations at the auditorium including new seating, interior finishes, and stage curtains.

Another project is at Hillside Elementary School and includes replacement of the entire roof; exterior masonry restoration; replacement of interior doors; upgrades to the electrical service; upgrades to the heating and ventilation systems; and some finish work.

Client

Hastings-on-Hudson
Union Free School District
27 Farragut Avenue
Hastings-on-Hudson, NY 10706

Joe Martorano
Director of Facilities
(914) 478-6220

Construction Cost

\$8 Million Bond Funded

Completion

2012

Services Provided

Full A/E Design Services
Value Engineering
Bidding
Construction Phase Services

We also completed the 2015 Building Conditions Survey and a 5-Year Plan For the District...



Hastings-on-Hudson Union Free School District

Pre-Bond Work

H2M assisted Hastings-on-Hudson with pre-bond work related to the health, safety, and welfare of buildings within the District.

services

The scope of the bond is to address any building items related to health, safety, and welfare that were stated in the 2015 Building Condition Survey. These items include roof replacement, boiler replacement, repairs to PA system, floor abatement and replacement, and window replacement. In looking into the scope of work it was brought to the District's attention that Hillside Elementary had a growing enrollment of students and was running out of classrooms. In addition, the District became aware that some of the related service rooms were meeting building code requirements for space size, but not the State Education Departments requirements for space size.

H2M helped the District to come up with a plan that would address some space issues now and address the rest after the bond is approved. When the bond is approved, Hastings-on-Hudson will add on four classrooms, a cafetorium, and stage to Hillside Elementary. Furthermore, the addition will include the renovation of one classroom into a fully working kitchen. This addition will allow the current cafe to become a "Learning Commons" space for all students within the building and free up the other spaces to help address the space needs.

H2M worked with all building leaders within the District to see what other needs there were that did not get covered in the 2015 Building Condition Survey. The Middle School called for an area within the building for the whole school to be able to meet at once. The current auditorium within the building has not been touched for many years and can no longer function as an auditorium. This proposed bond will also completely renovate the Middle School auditorium and turn it into a state of the art auditorium.

Client

Hastings-on-Hudson
Union Free School District
27 Farragut Avenue
Hastings-on-Hudson, NY 10706

Contact

Maureen Caraballo
District Treasurer
(914) 478-6405

Construction Cost

\$18.3 million

Completion

2020 (estimated)

Services Provided

Architecture
MEP
Civil

When the bond is approved, the Hastings-on-Hudson will add on four classrooms, a cafetorium, and stage to Hillside Elementary.



Massapequa

High School



Athletic Field Upgrades

The Massapequa Public School system wanted to provide their student athletes and community with an upgraded athletic complex.

services

The Massapequa Public School system is located approximately 25 miles east of New York City, along the south shore of Long Island. The school district serves a population of over 7,000 students, including nearly 1,700 students in grades 10-12 at the High School Main Campus. Despite its size, Massapequa remains a tight-knit community where pride runs deep and generations of residents stay rooted within the community. Massapequa residents are passionate about their schools, which is reflected in the unwavering support they lend to the District's academic, arts, and athletic programs.

While the athletic fields at the High School Main Campus provided an excellent venue for the student-athletes and community members to participate in sporting events, the Massapequa School District recognized the need to renovate and improve the aging and worn facilities to best accommodate the needs and demands of the student-athletes and burgeoning Massapequa community. The District desired to provide their teams with the best facilities they needed to compete while doing so in a financially responsible and practical manner. To

do so, it retained the services of the H2M to upgrade and modernize the baseball field and tennis courts, provide a suitable practice field, and renovate the existing rubberized running track and multi-purpose field to ensure it would be capable of supporting programs for football, soccer, girls and boys lacrosse, and field hockey.



Client

Massapequa Union Free School District

Contact

Assistant Superintendent for Business,
Alan Adcock
(516) 308-5020

Construction Cost

\$3.5 million

Completed

2017

Services Provided

- Land Surveying
- Site Engineering
- Athletic Field Design
- Stormwater Modeling
- Stormwater Pollution Prevention Plan
- Electrical Engineering

Services Provided

2019 ACEC NY Diamond Award

...the Massapequa School District recognized the need to renovate and improve the aging and worn facilities...





Pocantico Hills School

Auditorium Renovation and Lighting Upgrade

The existing auditorium at Pocantico Hills School was in need of an update to improve the acoustics and interior environment.

services

The Pocantico Hills School in Westchester County, New York was built in 1932, with the Auditorium addition added in 1953. The school serves 400 students in Kindergarten through eighth grade. After experiencing issues with poor sound, inadequate lighting, and uncomfortable seating in their well-used Auditorium, an upgrade was planned.

H2M removed the existing ceiling and redesigned the space for a modern, audio-visual experience. A new ceiling with acoustic panels was installed in order to maximize the effects of the state-of-the-art professional sound equipment. Soft recessed lighting was put in to provide proper illumination in the seating area, theatrical lights were installed on the stage, and a large retractable projector screen was added. A separate control booth was incorporated for the sound mixing boards and stage lighting console. Interior renovations included new seating, repairing/refinishing the wood stage, new stage curtains, new doors, new ductwork insulation for noise control, and new wood soffit decorative trim.

Upon completion, the school productions are now also a source of pride for the community.



Client

Pocantico Hills Central School District
599 Bedford Road
Sleepy Hollow, NY 10591

Contact

Marianne Heslin
Assistant Superintendent for Business
and Operations
(914) 631-2440

Completion

2018


Cost

\$793,000

Services Provided

Renovation
Lighting Upgrade
Redesign
Sound Upgrade

H2M removed the existing ceiling and redesigned the space for a modern, audio-visual experience.



Various Schools & School Districts

Building Conditions Survey

H2M performed Building Condition Surveys (BCS) and Annual Visual Inspections (AVI) including general structural engineering consultation for various schools and school districts throughout Westchester, Nassau and Suffolk Counties.

.....

services

Structures included school buildings, fire escapes, greenhouses, maintenance garages, bleachers and announcer's booth. The scope of work performed for these Districts was completed in accordance with Title 8 NYCRR, Part 155, Sections 155.1-155.15. The Building Condition Survey Reports were completed using the latest forms as posted on State Education Department's (SED) website and were conducted by a team of architects and engineers who inspected each building and all the major systems as listed on the SED Inspection Report. The Reports required an in-depth visual inspection of the buildings structural components which required careful coordination with district personnel that provided access to concealed construction.

The structural evaluation of building components included the assessment of the foundations and slabs for signs of displacement and/or undermining. Timber and steel floor and roof framing were evaluated for signs of distress and deterioration due to deflection or material degradation. Exterior masonry walls were inspected for cracking and displacement due to foundation settlement, and the effects of water infiltration and applied loads.

Client

Baldwin School District
Greenburgh School District
Hastings-on-Hudson School District
Hewlett-Woodmere Public Schools
Locust Valley School District
Massapequa School District
Mineola School District
Monroe Woodbury School District
Mount Sinai School District
Nassau BOCES
Pocantico Hills School District
Rockland BOCES
Seaford School District
South Huntington School District
Uniondale Public Schools
Valley Stream School District No. 24
White Plains Public Schools

Completed

Various Since 2006

“The structural evaluation of building components included the assessment of the foundations and slabs for signs of displacement and/or undermining.”



White Plains

City School District

District-Wide Capital Improvements

H2M assisted the White Plains City School District in developing a District-wide, five year capital improvement plan and in presenting and obtaining public approval for securing a \$48 million bond in 2012 to implement the facility improvements.

services

This project includes improvements to the District's 12 school buildings, totaling 1.4 million square feet.

The types of architectural improvement projects included building exterior envelope upgrades (roofs, masonry windows, and doors), interior upgrades (walls, floors, ceilings, doors, and ADA accessibility), mechanical and electrical system upgrades, and site improvements (parking, drainage, utilities at the athletic fields).

Six of the major projects were at White Plains Middle School-Highlands Campus, White Plains Middle School-Eastview Campus, White Plains High School, and Rochambeau Alternative High School. The projects at Highlands, Rochambeau and the High School involved renovations to student bathrooms, auditoriums, roof replacements, mechanical upgrades, and window/door replacements. Another project was a District-Wide Technology Project which consisted of a complete upgrade to the existing information technology system throughout the District. The existing system was replaced with a new gigabit-capable network. The last major project was an interior renovation and electrical/mechanical upgrade at the White Plains Middle School-Eastview Campus which entailed renovations to their 1929 and 1930 building including all student toilets, gymnasiums, cafeteria, classrooms, science rooms, and new rooftop units, lighting and service upgrades throughout.

Client

White Plains City School District
5 Homeside Lane
White Plains, NY 10605

Mr. Frank Stefanelli
Director of Facilities & Operations
(914) 422-2049

Construction Cost

\$48 million (bond funded)

Completion

2017

Services Provided

Full A/E Design Services
Value Engineering
Bidding
Construction Phase Services

Renovations to
their 1929 and
1930 building...



Staffing Plan

Establishing the Team

H2M is fortunate to be able to select a project team from a group of dedicated, hardworking, knowledgeable and passionate staff. They range in levels of experience and technical ability. The organizational chart at the end of this section outlines the methodology implemented by H2M. **Saverio J. Belfiore, AIA, CSI**, the Principal in Charge and Deputy Market Director of Education will lead the entire design group. **Veronica E. Byrnes, R.A., LEED AP**, is the Director of the Westchester Office and will manage all required resources in support of the contract. These executives will be available at all times to respond to the District's needs. **Lawrence M. Feeley, R.A.**, Quality Control Manager and a seasoned technical leader will perform independent QA/QC reviews at regular intervals of each projects' development. **Joseph M. Spina, AIA** is the Westchester Office Assistant Studio Director and will be the Project Manager. He has extensive knowledge in all aspects of educational design and has successfully completed projects for similar scope and size for other H2M school clients as well as School Districts in New York City, Boston and Washington DC. As the Assistant Studio Director, Mr. Spina monitors activities for projects, and provides technical and design guidance and direction.

H2M proposes to service the Briarcliff Manor Union Free School District via our Westchester, N.Y. office, in close coordination with our Albany office. This will provide the District with the quick responses of both a local team and a team that is close to the offices of the State Education Department.

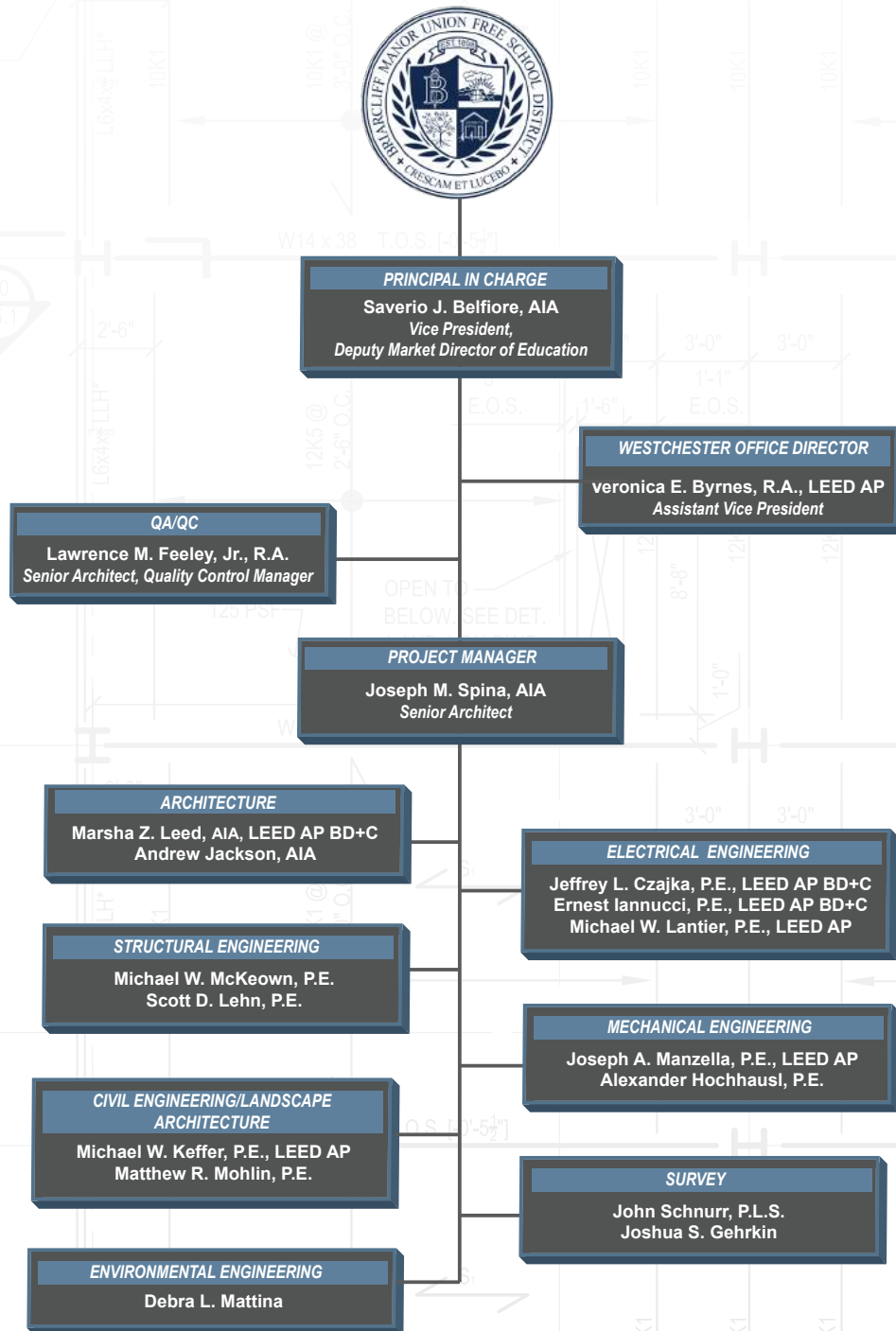
The Project Manager will be able to tap resources within the Architectural studio as well as other in-house support. Once the specific needs of each project are established, additional in-house structural, mechanical, civil, sanitary, electrical and environmental engineers are resources that can be utilized as required.

A benefit of H2M is that the team established will be with the client on all projects; maintaining consistency within the design team ensures the District's needs and expectations will be met from project to project.

H2M's 425+ staff consists of 40 architects and engineers dedicated to the Education Studio. This depth in resources provides us with the flexibility of addressing unexpected departures in staff assigned to the District's projects as highlighted on page 4 of the RFP.

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THIS LOCATION. SEE
FOUNDATION PLAN.

Following is an abbreviated organizational chart that describes the general reporting relationships within the project team structure. Their resumes follow.





Experience

H2M

Avis Corporate

Thomas P. Domanico, Architect

CMC Design Group/Gary Lenhart
Architect

The Rice Partnership

Education

B.Arch., New York Institute of
Technology

Yale University – Qualified Master
Program

Licenses/Certifications

Registered Architect: NY

Asbestos Project Designer

Construction Documents Technologist,
CSI

NCARB Intern Development Program

Project Management Training
Program, H2M

Memberships

American Institute of Architects

Construction Specifications Institute

NYS Association for Superintendents
of School Buildings and Grounds, Inc.,
Associate Member

U.S. Green Building Council

Honors/Awards

Merit Scholarship for Academic

Achievement, NYIT

H2M Employee Appreciation Award,
2003, 2005, 2006 and 2007

Saverio J. Belfiore, AIA, CSI

Vice President, Deputy Market Director of Education

Mr. Belfiore has over 22 years of experience in the field of Architecture covering a broad range of public works projects. For the past 12 years he has specialized in projects within the educational field. As Deputy Studio Director he is responsible for co-managing the Education Studio within the architectural division at H2M. This studio specializes in providing a wide range of services for the K-12 and Higher Education market. He manages and delegates the workload for 20 architects, overseeing the design, coordination and quality control of all projects within the education studio. He is involved from initial studies/schematic design through construction administration. Daily responsibilities include preliminary design, contract documents for asbestos abatement, construction document preparation, budgeting, scheduling, planning, drawing review and construction administration.

Mr. Belfiore manages and is the client contact for a majority of H2M's school district projects. He is responsible for ensuring project compliance with the State Education Department, preparing preliminary cost opinions, assisting districts in establishing comprehensive capital plans, facility needs assessments and establishing project expenditure plans. He is often called upon to attend school board meetings and assists the districts in selecting contractors resulting from the bidding process as well as tracking project financials. Mr. Belfiore has also assisted several districts in the development of EPC projects which include solar energy and other energy saving measures. He is also extensively involved in assisting Districts in the development, planning and implementation of several successful bond referendums totaling \$200 million.

Mr. Belfiore has managed the development of comprehensive capital improvement plans and Facility Needs Assessments for numerous public school districts, higher education campuses and various public agencies, including preparing detailed analysis of the clients facilities, useful life expectancies of the major building systems (envelop, mechanical, electrical, site and finishes) Report include evaluations of programmatic spaces based on projected enrollment and industry trends. Final reports include detailed cost estimated for potential work prioritized based on need.

Selected project experience:

- South Huntington Union Free School District: Managing 10-year \$54.7 million bond and \$1.9 million EXCEL projects. Projects include design of a 6,000sf library/media center, guidance suite renovation, space planning analysis, facility consolidation studies, roofing replacements, renovation of science laboratories, technology upgrades, gymnasium/locker room upgrades, interior classroom renovations, elevator additions, new \$3.6 million transportation facility, fuel oil tank replacement, synthetic athletic fields, sanitary and septic system replacement, technology upgrades and smart board, exterior masonry modifications, ADA compliance, rescue reports, five-year capital improvement studies, annual visual inspection services, and asbestos abatement project designs.
- Harrison Central School District: High school cafeteria renovation, concession stand, science lab renovations, exterior facade and masonry restorations, window replacement, flooring replacements, door replacements and structural evaluations and analysis.
- Baldwin Union Free School District: Managed four-year \$26.9 million bond and \$1.6 million EXCEL projects. Projects included roofing replacement, heating plant upgrades, landscape beatification programs, public address / master time clock replacement, athletic field refurbishment, synthetic track surfaces, tennis court refurbishments, underground drainage and collection systems, kitchen / cafeteria renovations, window replacements, interior renovations, gymnasium flooring replacement, student locker replacements.



Saverio J. Belfiore, AIA, CSI

Selected project experience, continued:

- Nassau BOCES: Design of a new 6,000sf Network Operations Center and Customer Care Center, exterior façade and masonry restorations, window replacement, space planning initiative, fire alarm upgrades, interior renovations, ADA accessibility, 250,000sf interior renovation at Rosemary Kennedy Center, HVAC upgrades, central heating plant modifications, building condition survey and completion of the annual visual inspections.
- Western Suffolk BOCES: Fire alarm upgrades, interior renovations, freezer / refrigeration upgrades.
- Farmingdale Public Schools: \$7 million window replacement district wide, interior renovations, central administration office reconfiguration, toilet renovations, roofing replacements, electrical EMF evaluation and various mechanical & electrical upgrades through an energy performance contract.
- Carle Place School District: Library/Media center renovation, science lab renovations, auditorium renovation, main entrance renovation, multi-purpose room addition, design of a new maintenance facility, roofing replacement, synthetic turf field and sports lighting.
- Yonkers Public Schools: Exterior masonry restoration, window replacement and various mechanical and electrical upgrades.
- Farmingdale State College: Design of new campus wide comprehensive way-finding pedestrian/vehicular signage project, window replacement, interior renovations and toilet modifications.
- Uniondale School District: Window replacement, masonry restorations, interior ceiling/lighting replacements, playground renovations and various mechanical and electrical upgrades through an energy performance contract.
- Smithtown Central School District: Managed over \$14.0 million capital improvement projects. Projects included interior renovations, VAT flooring replacement, fuel oil tank replacements, roofing replacement, chemistry, physics and science lab renovations, synthetic athletic fields, window replacements, heating plant upgrades, chiller replacement, science classroom upgrades, locker replacements and various structural repairs.
- Seaford Union Free School District: Special Education / Life Skills suite, kitchen upgrades and freezer replacement.
- Mount Sinai Union Free School District: Design of a new 10,000sf gymnasium and fitness center addition, various security upgrades, roofing replacements, site lighting feasibility reports, exterior lighting upgrades, parking lot upgrades, synthetic field and track replacement, designs for additions to the elementary and middle schools along with various mechanical / electrical upgrades through an energy performance contract.
- New York City School Construction Authority: PS 93 crawl space evaluation and structural repairs, PS 108 masonry restoration, S81 flood elimination and subsurface water infiltration remediation, PS114X science lab renovation, PS45Q fire alarm upgrade and PS216 exterior modernization.

Prior to H2M, Mr. Belfiore was project architect and consultant on multiple commercial, institutional, municipal and corporate projects.



Experience

H2M

Education

B.Arch., Irwin S. Chanin School of Architecture, The Cooper Union

Licenses/Certifications

Registered Architect: NY
LEED Accredited Professional, USGBC
Project Manager's Bootcamp, PSMJ Resources, Inc.
Project Management Training Program, H2M
Huntington Leadership, Class of 2004
Dale Carnegie Project Management Training

Memberships

U.S. Green Building Council

Volunteer Organizations

ACE Mentor Program of America

Veronica E. Byrnes, R.A., LEED AP

Assistant Vice President, Office Director of Westchester

Ms. Byrnes has over 22 years' experience in the field of architecture. As both Assistant Vice President and Senior Architect and Director of H2M's Westchester office, she is responsible for all aspects of project management, client account management and business development; technical leadership of the architectural discipline; coordination of office growth in the non-architectural discipline; production and scheduling; quality control; and standardization for the White Plains office.

Over the past 18 years, Ms. Byrnes has specifically focused on the education and emergency services market, and takes great pride in the communities H2M has helped build. She is also responsible for administering all phases of architectural and planning projects, from preliminary and pre-bond phases through construction administration, including pre-bond strategy development, planning, public engagement and presentation; project budgeting; development of preliminary designs and oversight of integrated design development approaches; oversight in the development of construction documents, contracts and specifications, coordination of the respective project engineering disciplines; obtaining governmental and agency approvals; and construction administration through occupancy. She is often called upon to attend public board meetings and assists the emergency service and school districts in selecting contractors resulting from the bidding process.

Ms. Byrnes is in direct contact with the entire project team and manages relationships with clients, government and agency contacts, engineers, construction managers, and contractors and is skilled in coordinating the efforts of all parties involved in a project to a successful completion. As a LEED AP, Ms. Byrnes directs and oversees the implementation and design of energy-efficient and sustainable buildings and building systems.

Selected project experience:

- **Hastings-on-Hudson Union Free School District:** Managed a three-year \$8 million bond. Projects included new athletic fields and field refurbishments, roofing replacements, various interior upgrades, window/door replacements, unit ventilator replacements, electrical service upgrades, auditorium renovations, and ADA accessibility compliance. Also supervised the management of various other projects throughout the district including flooring replacements, feasibility studies and reports, and pre-bond services for the 2019 Bond Referendum.
- **White Plains Public Schools:** Managed a five year, \$48 million bond. Projects included major interior renovation to the White Plains Middle School - Eastview Campus, roof replacements, exterior masonry restoration, window/door replacements, various interior upgrades and renovations, ADA accessibility compliance (doors, hardware, and toilet facilities), district wide wireless technology upgrades, new playgrounds, site work, prefab athletic field toilet building, auditorium renovations, HVAC and electrical upgrades throughout the district since 2012. Also supervised the management of various other projects throughout the district including interior renovations, roof replacements, playground upgrades, electrical upgrades, security and P.A. system upgrades, feasibility studies, and reports.
- **Mount Pleasant School District:** Managed a four year, \$39 million dollar bond. Projects included major interior renovations to the Westlake Middle School and High School, roof replacements, exterior masonry restoration, window/door replacements, various interior upgrades and renovations, ADA accessibility compliance (doors, hardware, and toilet facilities), site work, HVAC, and electrical upgrades throughout the district.
- **Mineola School District:** Media Center building additions to the Hampton Street Primary School and Meadow Drive Primary School as well as various other capital upgrades projects



Veronica E. Byrnes, R.A., LEED AP

Selected project experience, continued:

including interior renovations, exterior façade renovations, site upgrades and athletic field upgrades.

- Irvington Union Free School District: Developed \$18 million pre-bond project which includes various upgrades to all district facilities. Bond Referendum is currently scheduled for a May 2019 vote.
- Participation in a design competition for the City of Stamford, Connecticut, School District's new elementary school media center; and preparation of construction documents for this project.
- Charter School: New 35,000 square foot Kindergarten through fifth grade Charter School for Circulo de la Hispanidad in Hempstead, New York. This project received LEED Gold certification.
- Kings Park Central District: Project management and coordination of capital projects for the Kings Park Central School District including an energy performance contract.
- East Williston Union Free School District: Project management and coordination of capital projects for the East Williston Union Free School District including an energy performance contract.
- Pocantico Hills Central School District: Project Manager for various projects in the district since 2015.
- Various projects for New York State Dormitory Authority, including roof replacements and renovations to the CK Post Alcoholism Center at DASNY's Pilgrim Psychiatric Center.
- Various assignments for local water and wastewater districts including Greenlawn, Hempstead, Dix Hills, Hauppauge, and New York American Water.
- New firematic buildings for the Dix Hills Fire District, East Farmingdale Volunteer Fire Company, City of Stamford Fire Department and Elmont Fire District, as well as various projects for the Baldwin, Massapequa, Village of Mount Kisco, and Hauppauge Fire Districts. Dix Hills and Elmont Fire District were both award-winning projects. Dix Hills won a Fire News Award and the Elmont Fire District won a FIERO award.
- Preliminary design and pre-bond work for the Setauket Fire District, Cold Spring Harbor Fire District, Riverhead Volunteer Ambulance, Roslyn Highlands Fire Company, Roslyn Rescue Fire Company and Smithtown Fire District.



Experience

H2M
BBS Architects
Ward Associates

Education

B.S., Architecture Technology, New
York Institute of Technology

Licenses/Certifications

Registered Architect: NY
NCARB Certified

Honors/Awards

Gold Metal for Architectural
Achievement, New York Institute of
Technology

Articles/Papers

Low Maintenance Building Facilities.
New York State Parks and Recreation
Society, 2006

Lawrence M. Feeley, Jr., R.A.

Senior Architect, Quality Control Manager

Mr. Feeley is Senior Architect and Quality Control Manager with over 36 years of experience in the areas of design, production, management, quality control, specification writing and construction administration. His responsibilities include the development of eSpec base for the three architectural studios at H2M, providing support in estimating and construction document reviews and maintaining relationships with prior clients.

Selected project experience:

- Master plan study, design and specifications for various projects at the Nassau County Fire Service Academy including re-roofing of the administration, maintenance and classroom buildings; design and specifications for the pumper test, vehicle storage and various burn buildings.
- Design of Montauk Point State Park Storage Garage at the original lighthouse keeper's residence site.
- New York State Office of General Services – construction documents and construction administration for the Rockland Psychiatric Center.
- Long Island Maritime Museum – design of entry doors. Project was part of a historic restoration funded by the Dormitory Authority of the State of New York.
- Design and specification for maintenance garage building for municipal water districts.

Prior to H2M:

- Suffolk County Department of Public Works - Master planning study for two separate DPW complex locations involving building conditions assessments and recommendations for over 50 major buildings.
- New Village Hall Complex – Adaptation of a 50 acre former air national guard facility to provide a Village complex including Village hall, DPW, police, community pool and recreational facilities.
- Amityville Village Hall – A new three story facility designed for the Village of Amityville including Village hall, police and archival storage. The building received LEED Gold certification.
- Levy Park maintenance building included vehicular storage bays, maintenance repair garage, equipment storage and staff lockers, meeting/lunch room and exterior material storage areas for the town of Ramapo.
- Tuckahoe Village Hall – Adaptive re-use of a former parochial school for the Village of Tuckahoe including Village hall, police and a third floor tenant rental facilities.
- Eastern Long Island Hospital, Greenport, NY – design of ambulatory surgery wing, emergency entrance, cardiology suite and psychiatric ward addition.
- Suffolk County Department of Park and Recreation – design of maintenance facilities at Montauk Park, Cedar Point Park, Timberpoint Golf Course and Ronkonkoma Park.
- New York State Office of General Services – design of Firearms Training Center for Department of Homeland Security.
- Nassau County Fire Training Academy – design of various training and support buildings.
- Bethpage State Park – clubhouse locker room and office rehabilitations, and addition of an elevator for the 2002 U.S. Open.
- Field investigations and research on historical details for the rehabilitation of Village House for the Oysterponds Historic Society, Cove Island Barn for the City of Stamford, and Oak Beach Community Building (Historic Life Saving Station).



Experience

H2M

STV Inc., Engineers & Architects
Swanke Hayden Connell Architects

Education

B.Arch., Architecture; Pratt Institute

Licenses/Certifications

Registered Architect: NY, NJ, VA, MD
National Council of Architectural
Registration Boards

Memberships

American Institute of Architects
U.S. Green Building Council
Helen Hayes Hospital Foundation -
Chair Board of Directors, Emeritus

Joseph M. Spina, AIA

Senior Architect

Mr. Spina is a Senior Architect with 40 years experience directing all phases of the design and construction process. He has extensive educational experience and has served school districts in different capacities including designer of record and owners representative overseeing design teams and construction managers. He has successfully managed multi-disciplined teams of associated architects, engineers, specialized consultants, and construction management teams on complex new buildings, renovations, and modernization projects for Federal, State, and Local Municipal Clients. His work includes projects for the Central School District in Somers, NY; the New York City School Construction Authority; the District of Columbia Public Schools; and the Massachusetts School Building Authority. Higher Education clients have included Georgetown University, Syracuse University, and the City University of New York. Mr. Spina's responsibilities have included strategic planning, master planning, building assessments, the preparation of building designs and specifications, construction administration, and post occupancy evaluations.

Selected project experience:

- Somers Central School District; Somers, NY: Directed multiple assessment teams for a pre-bond Safety and Security project at the four school buildings including Primrose Elementary, Somers Intermediate School, Middle School, and High School. The project addressed safety and security film on exterior doors, windows, interior classrooms, cafeterias, libraries, and other highly visible spaces. The project also addressed interior and exterior access controls and security cameras.
- John Paul Rodrigues Operations Center; Ossining, NY: Currently overseeing the preparation of construction documents and QA/QC for the \$4.0 million renovation of the facility located on the Briarcliff-Peekskill Parkway. The scope of work includes the addition of a new elevator, renovations to the basement, first and second floors, garage area, installation of a new roof, and replacement of the windows. The work includes general construction, asbestos abatement, structural, HVAC, plumbing, electrical, and fire protection.

Selected project experience, prior to H2M:

Prior to joining H2M, Mr. Spina was involved in the master planning, assessment, and design of numerous educational facilities, including K-12 and University projects for large school systems in New York City, Boston, and Washington D.C.

- Massachusetts School Building Authority, Capital Program Evaluation; MA: Representing the MSBA, responsibilities included evaluating the pre-design, 30%, 60%, and 90% design phases for new school buildings designed by numerous architectural/engineering firms in the Greater Boston area. The projects included Stoughton High School (\$99.8 million, 214,600 square feet), Billerica Memorial High School (\$141 million, 324,971 square feet), and the Dedham Early Childhood Education Center (\$23 million, 50,998 square feet). The evaluations consisted of reconciling project funding agreements between each School District Building Committee's and the MSBA, oversight of the Owners Project Manager, constructability reviews at each stage of development, coordinating QA/QC reviews and back checks of the architectural and engineering documents with third party reviewers, review of construction cost estimates, and validation of all required deliverables submitted to the MSBA.



Joseph M. Spina, AIA

- District of Columbia Public Schools, Building Condition Assessment and Master Plan Update; Washington, D.C.: Directed the program analysis, investigation, and building assessment for 44 schools, totaling over 4.5 million square feet of educational space, including elementary, middle, and senior high schools. The study addressed the space utilization, educational space adequacy, technical and special system assessments, inventory of equipment, existing conditions, building systems, and life cycle of each facility in the context of validating and updating the District's Master Plan with estimated capital construction costs. Representative projects included MM Washington Senior High School, McKinley Senior High School, Eastern Senior High School, Woodson Senior High School, Anacostia Senior High School, Shaw Junior high School, and Janney Elementary School.
- All City Sports and Recreational Complex, Master Plan; Alexandria, VA: Developed the program and concept design for a new recreational and stadium complex for the City's Department of Recreation Parks and Cultural Activities. The facility was located on a 14.7-acre city owned park which consisted of a multi-use artificial turf field for football, soccer, field hockey, track, and lacrosse. It included two regulation softball/baseball fields, seating capacity for 4,000 spectators, locker facilities for the home and visiting teams, restroom facilities, concession areas, a maintenance facility, and parking. The estimated construction cost was \$16.5 million.
- City University of New York/NYC School Construction Authority, Baskerville Hall Renovation; New York City, NY: Designed the renovation of the four-story 100 year old historic building on the campus of City College in New York City. The building is occupied by the SCA's High School for Math, Science, and Engineering; as well as an undergraduate program for CUNY. The work included the design of a new lecture hall, classrooms, the upgrades of building systems, the addition of a new hydraulic elevator; as well as the restoration of the exterior facade. The \$10 million renovation was phased with construction occurring at nights, weekends, and during periods when school was not in session.
- City University of New York/Hunter College master of Fine Arts Building, Building Condition Assessment; New York City, NY: Directed the assessment of the six-story 174,000 square foot partially occupied educational facility. The investigation addressed the physical condition of the interior spaces, exterior facade, roof, loading dock, driveways, and building systems. Deficiencies were identified and the building was evaluated in the context of the NYC Building Code. Fire, life safety, and security upgrades were identified and prioritized. Recommendations considered the remediation of the building and its systems in the context of the future programmed use of the building. The final assessment and recommendations included an order of magnitude construction cost estimate totaling \$95 million.



Experience

H2M
KSQ Architects
D&B Consulting Engineers

Education

SUNY New Paltz, B.F.A.
Dutchess Community College, A.A.S.
(Architectural Technology Program)

Licenses/Certifications

Registered Architect: NY
LEED Accredited Professional, USGBC

Memberships

AIA Westchester/Mid-Hudson Chapter,
Board of Directors, 2014-2017
U.S. Green Building Council, Upstate
New York Chapter, Advocacy
Committee Co-Chair 2012-2015
Dutchess County Environmental
Management Council 2000-present
Planning Board Member - Town of
Wappinger, NY 2007-2015

Marsha Z. Leed, AIA, LEED AP BD+C

Senior Architect

Ms. Leed has more than 20 years of architectural design and project management experience, including residential, commercial and institutional design. Ms. Leed has knowledge and understanding of state and local building codes, NYS Energy Code, ADA requirements, SHPO regulations, and LEED compliance. As a Senior Architect, Ms. Leed will be involved in handling all phases of architectural projects, from the design scope through project closeout. Her professional experience has included design of new buildings and renovations, site planning and downtown revitalizations and has been especially active in projects that involve the intersection of architectural and environmental concerns.

Selected project experience:

- Mt. Pleasant Central School District: Preliminary design, construction documents, and bidding services for renovation projects at Westlake High School and Columbus Elementary, which include but are not limited to interior renovations to classrooms/toilet rooms, roof replacement, window replacement, doors/hardware replacement, site upgrades, and mechanical/electrical/plumbing upgrades.
- Pocantico Hills Central School District: Construction documents bidding and construction administration services for Auditorium renovation project. Programming and design for Site Master Planning for upcoming bond vote.
- Greenburgh Central School District: Preliminary design, construction documents, and bidding services for boiler replacement projects. Project management and coordination with SED on existing and new projects through the District's five year plan.
- City of Yonkers, New York: Preliminary design and construction documents for partial renovation of water treatment plant.
- City of New Rochelle, New York: Preliminary design, construction documents, bidding, and construction administration services for renovation of historic Bath House.

Selected project experience prior to H2M:

- Project Manager for additions and major renovation projects at numerous school districts, with budgets from \$1.5M - \$7M. Involved in all aspects from scoping and design through construction and closeout. Coordinated all architectural phases with MEP team, structural engineers, hazardous materials consultants, as well as historical review by SHPO.
- Member of architectural team working on \$137M renovation and expansion project at Kingston High School, to include two new additions.
- Completed Five-Year Building Condition Surveys for State Education Department. Project included original building assessments, budgets, reports and drawings showing projected scope of work for the next five years for 15 different K-12 school buildings.
- Involved in over 30 New York City School Construction Authority projects with construction costs ranging from \$500,000 - \$8.5M. Project requirements included field investigation, comprehensive scope reports for project parameters, AutoCAD drawings and specification manuals, cost estimating, bid review, construction management and project closeout.
- Prepared LEED feasibility studies for clients and State Historic Preservation Office (SHPO) evaluations.



Marsha Z. Leed, AIA, LEED AP BD+C

Selected project experience prior to H2M, continued:

- Village of Monroe, NY - Designs for rehabilitation of downtown storefronts and streetscapes for Master Plan.
- City of New Rochelle, NY - Performed building condition analysis and LEED feasibility report for historic railroad station.
- Project Manager for the design and construction of a 12,000 square foot luxury hotel and spa complex. Work involved integrating sustainable building design and practices.
- Project Manager for the design and construction of a Stop & Shop Supermarket in Medford, NY.



Andrew F. Jackson, AIA

Project Architect

Mr. Jackson has over 20 years of experience in the industry. He is knowledgeable in handling all phases of public and private projects, including client contact, programming, design development, construction document production, consultant coordination and contact, and construction administration.

Selected project experience prior to H2M:

- Argyle CSD, Capital Project; Argyle, NY: \$6.4 million referendum including additions and renovations. Elementary gym renovation, locker rooms reconstruction, classroom reconstruction, sitework including tennis courts, bus garage renovation, access control upgrades, and coordination of all associated MEP work.
- SUNY New Paltz, Exterior Rehabilitation on Various Buildings: Contract with the State University Construction Fund involving eight campus buildings, vestibule replacements, curtain wall replacement, roof replacements, multi-story window replacement, historic renovation of wood windows, brick facade, and copper roofing. Also coordinated structural groups, MEP groups, and historic preservation WBE/MBE teams.
- NYC Community Foundation; Watertown, NY: Project Architect for a 15,000 square foot high-quality office space and meeting space, including renovation and restoration of the historic 1906 Federalist structure, with a 4,500 square foot three-story addition for accessibility and collaboration space.
- Indian Lake Fire District, Firehouse Renovation; Indian Lake, NY: Project Manager for the renovation of an existing 8,000 square foot steel building with structural and mechanical upgrades to a Cat. IV Essential Facility. Space configurations were made to accommodate current equipment requirements. Facade design was completed to harmonize with Adirondack Style main street context.
- Erwin Library Additions and Renovations; Boonville, NY: Re-use of existing space to expand collection, and new construction for ADA accessibility and compliance. Romanesque Revival stone edifice, c. 1888, National Historic Register.
- Town and Village of Boonville Municipal Offices; Boonville, NY: New building to house municipal offices, meeting rooms, courtrooms, and police in a 7,700 square foot design inspired by Neoclassical and Victorian local vernacular.

Experience

H2M

Mosaic Associates Architects

BCA Architects & Engineers

Andrew F. Jackson Architect, PC

James Jordan Associates

Weintraub and di Domenico,

Architects, Urban Planners, and

Landscape Architects

Stephen Tilly, Architect

Education

B.Arch., Syracuse University

Licenses/Certifications

Registered Architect: NY



Experience

H2M

Education

B.S., Electrical Engineering, State University of New York at Stony Brook
Dale Carnegie World Class Customer Service

Licenses/Certifications

Professional Engineer: NY, NJ
LEED Accredited Professional, USGBC

Memberships

American Water Works Association
Construction Specifications Institute
Long Island Water Conference
National Fire Protection Association

Jeffrey L. Czajka, P.E., LEED AP

Senior Vice President, Director of MEP Group

Mr. Czajka directs the mechanical, electrical and plumbing engineering divisions in the preparation of specifications and design plans, and provides project management and coordination with clients and contractors to oversee scope and execution of contracts. Mr. Czajka has a strong background in large industrial electrical power systems, and instrumentation and control systems.

Selected project experience:

- Supervised the electrical design of the new 21,000 square foot fire station for the Air National Guard located at Stewart Airport.
- Supervised the electrical designs for the renovation of the helicopter repair pods and parachute air drying facility for the Air National Guard at Gabreski Airport.
- Supervised the design of numerous projects for the USPS which included the redistribution of electrical services at Morgan P&DC, New Fire Alarm Systems at Jamaica and Queens P&DCs, New CCTV and access controls systems and Brooklyn, Morgan and Queens P&DCs.
- Developed existing conditions recording drawings for the electrical distribution system for the Brooklyn and Mid-Island P&DCs. Record drawings including development of single line diagram, electrical equipment ratings and capacities and location of all equipment on building floor plans.
- Design and installation of 43 standby electric generators and emergency lighting systems at 14 locations for the Hempstead Housing Authority.
- Supervised the mechanical, electrical and plumbing design of the new Suffolk County Community College Library, Riverhead Campus.
- Supervised the design of the new sports lighting at SUNY Old Westbury and Maritime Campuses.
- Supervised the report evaluation studies of multiple electrical service loading conditions and the design for upgrading 16 schools for South Huntington, Baldwin, North Bellmore, Smithtown, and Valley Stream School Districts.
- Design of seven back-up generators for the Hicksville Water District, three back-up generators for the Plainview Water District, and nine back-up generators for the South Huntington Water District. Designs included diesel fuel tanks and electronic monitoring/gauging systems, and electronic fuel management systems.
- Design of new medium voltage switchgear including primary and secondary services, service switch gear, motor control center replacement and medium voltage automatic transfer switch for the City of Yonkers Hillview Pump Station.
- Electrical design of air stripping tower and standby power system and upgrade of existing electrical, and instrumentation and control systems at Hicksville Water District Plant No. 5 and No. 9.
- Electrical design for replacement of the variable frequency drives and controls for the influent and effluent wastewater pumps at the Huntington Sewer District Wastewater Treatment Plant.
- Electrical design for the rehabilitation of the main wastewater pump station and five stations in the collection system in the Incorporated Village of Great Neck.



Jeffrey L. Czajka, P.E., LEED AP

Selected project experience, continued:

- Electrical design for the Riverhead Sewer District Advanced Wastewater Treatment Facility; and improvements to the main water plant in the Village of Hempstead.
- USPS Bulk Mail Facility, Brooklyn, NY. Design of a card access control system. System incorporated a PC based system and card swipe technology. Entry systems were modified to include turnstiles and magnetic door locks. Access control was interfaced with fire alarm system and postal police central monitoring system. Postal police were enabled to remotely release door(s) in critical situations.
- USPS: CCTV Systems for numerous facilities in the tri-state area. CCTV cameras provided observation in both the interior and exteriors of the facilities. Central monitoring stations were designed for postal police to monitor operations 24 hours a day.
- Theatre lighting and controls replacement engineering report and design at the State University of New York at Farmingdale.
- Hicksville Water District: SCADA system included remote set point control and monitoring of 17 wells, five air stripping treatment plants, five storage tanks, five boosters stations and seven generators. System included dual communication system with digital lease line for primary communication and voice line for back-up communication loss of primary communications.
- Incorporated Village of Rockville Center: SCADA system included remote set point control and monitoring of 10 wells, four storage tanks, and iron treatment plant. System included dual communication system with digital lease line for primary communication and voice line for back-up communication on loss of primary communications.
- Plainview Water District: SCADA system included remote set point control and monitoring of 12 wells, four storage tanks, three booster stations, three air stripping plants and seven generators. System included dual communication system with digital lease line for primary communication and voice line for back-up communication on loss of primary communications. Security/alarm system was designed and integrated with SCADA system for continuous monitoring by the district. Security/alarm system incorporated keyless access control, intrusion alarms, trouble alarms, armed/disarmed notifications, high/low temperature alarms and flood alarms at all pumping facilities.
- Design of iron treatment plant for the PLC based controls incorporated into a district-wide SCADA system for the Inc. Village of Rockville Centre.
- Programmable Logic Controller system for Mobil Oil Corporation. Project included programmable controller-based automation and control system to accommodate multiple product and water remediation pumps and automatic remediation controls.
- New pump station management and inspection of construction for the South Huntington Water District. Project included coordination between multiple contracts, utility companies and the water district.



Experience

H2M

Manhattan College Department of
Electrical Engineering, Information
Technology Department

Education

B.S., Electrical Engineering, Manhattan
College

Licenses/Certifications

Professional Engineer: NY, NJ
LEED Accredited Professional, USGBC
LEED AP Building Design and
Construction Accredited, USGBC
Project Management Training
Program, H2M

Memberships

Institute of Electrical and Electronics
Engineers, Inc.
National Society of Professional
Engineers
New Jersey Society of Professional
Engineers
New York State Society of Professional
Engineers
New York Water Environment
Association
American Water Works Association
Long Island Water Conference
Illumination Engineers Society - North
America

Ernest V. Iannucci, P.E., LEED AP BD+C

Vice President, Department Manager – Electrical Engineering

Mr. Iannucci directs the preparation of specifications and plans for the design of electrical power systems, utility and emergency back-up power distribution, fire alarms, security, CCTV, access control, motor control and instrumentation and control systems, and inspects and evaluates existing electrical systems. He has an active daily role managing the various disciplines assigned to various electrical projects to ensure that projects are proceeding in the right direction and on schedule. He also reviews construction shop drawings and is involved in the construction inspection of electrical systems designed. One of Mr. Iannucci's main roles in the electrical engineering department is to ensure that all designs leaving H2M's office are in compliance with the current Federal, State, Town and Village codes and standards for the location in which the designs will be constructed.

Mr. Iannucci's experience and knowledge of the local codes and standards has been valuable in the review of plans and specifications for the Village of Farmingdale, for which H2M is the Village engineer.

Selected project experience:

- Stony Brook University Campus, Hilton Garden Inn Hotel - Design of all electrical plans and specifications for new hotel. Design consisted for new electrical utility service, electrical switchboard, general space and specialty lighting, exterior/site lighting, lighting control system and fire alarm system with public announcement capabilities. The design also included a new 150kW emergency generator. Construction oversight was also provided.
- Richman Group Development Corporation, Mulford Gardens Apartments, Mulford Gardens Vineyard, Ashburton Apartments - Electrical design of plans and specifications of multiple residential apartments. Design included new electrical utility services, utility power distribution for all general spaces and dwelling units, power distribution throughout individual dwelling units, general lighting for all general spaces and dwelling units, fire alarm system and residential fire detection system. The design also included emergency generators for each apartment building.
- Engel Burman Group, New Bristol Assisted Living Building - Designed the complete electrical system consisting of electrical utility service, electrical distribution switchboard, lighting power and controls, power distribution for commercial kitchen, electrical distribution for dwelling units and fire alarm system. The design also included a 500kW emergency generator for life safety loads, specified building loads and sanitary lift station.
- USPS Morgan P&DC, Mid-Hudson P&DC NY - (1) Design of a card access control system and incorporated a PC-based system and card swipe technology. Entry systems were modified to include turnstiles and magnetic door locks. Access control was interfaced with fire alarm system and postal police central monitoring system. Postal police were enabled to remotely release door(s) in critical situations. (2) Design of CCTV camera systems to provide observation in both the interior and exteriors of the facility. Central monitoring stations were designed for postal police to monitor operations 24 hours a day. (3) Design of several electrical building site prep designs for propriety postal equipment such as DIOSS, BDS, VFS, AFSM and DBCS machinery. (4) Morgan P&DC - Investigated and designed modifications to the existing power distribution system, allowing the existing multiple electrical utility services to evenly carry the various building loads, eliminating the annual excessive distribution penalty of 20 percent of the construction fee for the installation of an additional electrical service, proposed by the local major utility company.
- Nassau County Department of Public Works, Bay Park Sewer Treatment Plant - Assisted in the restoration of the plant to operating condition in the aftermath of Hurricane Sandy. Performed damage assessments of various buildings, electrical equipment, conductors, and conduit. Oversaw testing of equipment, conductors, etc. in order to determine severity of water/sewage damage. Wrote-up emergency work orders for the repairs to be performed by contractors to get damaged equipment up-and-running or replaced with the goal of restoring various plant-wide processes. Prepared damage reports, inventory of equipment, and code compliance inspections for FEMA.



Ernest V. Iannucci, P.E., LEED AP BD+C

Selected project experience, continued:

- Stony Brook University Hospital – Electrical survey and evaluation to generate a report and preliminary plans identifying the existing conditions and loading of several of the existing normal and emergency switchboard, and power distribution systems within the Health Services Center. The evaluation identified overloaded areas and proposed options to alleviate to issues.
- Towns of Brookhaven, Riverhead and Smithtown - Design of new underground fuel tank systems, including new electronic fuel dispensing systems, electronic monitoring/gauging systems and electronic fuel management systems.
- Hicksville, Uniondale, Middle Island, Smithtown, Manhasset-Lakeville, and Plainview Fire Districts – Electrical design plans and specifications for new buildings and upgrades / expansions of existing buildings. Designs include utility power distribution systems, general space lighting, exterior/site lighting, building facade lighting, specialty applications lighting, fire alarm, access control, security, telephone, data network distribution, emergency power and CCTV systems.
- FDR Park Pool Filter Control Panel Upgrades – Design of the control panel for the three 1500 GPM pumps, three open DE filtration tanks, chemical treatment systems and mechanical upgrades to the piping system.
- Polo Grounds Heating Upgrades - Supervised the design for the installation of heating systems for the comfort station at Bethpage State Park to allow the facility to operate all year round. The design included the selection of electric unit heaters and the associated electrical upgrades to the building.
- Carousel Building HVAC Upgrades, Hempstead Lake State Park - Supervised the electrical design of a new central heating and cooling system for the Carousel Building. The system was designed to provide heating and cooling via a gas-fired split system air handler/furnace. The design included the installation of a new 1000 gallon buried propane storage tank for the facility and gas-fired unit heaters around the carousel area.
- Mitchell Park Greenport - Designed new dock lighting and new underground high voltage utility redistribution to the surrounding area in conjunction with the electrical design of several new smaller facilities.
- SUNY Old Westbury, SUNY Maritime, Island Trees School District, Hewlett Woodmere School District - Plans and specifications for new baseball field lighting systems including all associated photometric and voltage drop calculations, power and controls.
- Hewlett-Woodmere and Island Trees School Districts: Plans and specifications for new football field lighting systems including all associated photometric and voltage drop calculations power and controls.
- Hewlett-Woodmere, Baldwin, Island Trees, South Huntington, Locust Valley School Districts - Electrical design plans and specifications for complete replacement of the existing fire detection systems. The systems were phased to maintain the existing fire detections systems until the new system was completely installed, tested and approved prior to removal of the existing systems.
- South Huntington School District – Design of district-wide fiber optic data network. Dedicated fiber optic cabling was distributed over several miles from the NOC to all of the districts properties.
- Bethpage, Plainview, Hicksville, South Farmingdale, Franklin Square, Manhasset-Lakeville, Greenlawn Water Districts - Electrical plans and specifications for a new volatile organics removal plant, including new motor control centers PLC controls and emergency generator for back-up power.
- Old Westbury Water District - Prepare plans and specifications for primary voltage distribution to the water district from LIPA buried feeder. New generator primary voltage switchgear.
- Brookhaven Memorial Hospital - Designed the complete electrical system consisting of new motor control center, emergency power generator, power feeds for all motor loads, and all control wiring to interface from plant control panels to the MCC for completely renovated STP.



Experience

H2M

Applied Power System, Inc.

Education

M.B.A., Finance, SUNY Stony Brook University

B.S., Electrical and Computer Engineering, New York Institute of Technology

Leadership Development, Leadership Huntington

Licenses/Certifications

Professional Engineer: NY

LEED Accredited Professional, USGBC

Memberships

U.S. Green Building Council

Affiliations

Habitat for Humanity – Board of Directors

Michael W. Lantier, P.E., LEED AP

Assistant Vice President, Senior Project Engineer – Electrical

Mr. Lantier's responsibilities in the Electrical Engineering Department include the design of power distribution, new electrical services and service upgrades, emergency generators and systems, interior and exterior lighting, fire alarm systems, CCTV and access control systems, and security alarm systems. He is also involved in shop drawing review and construction phase services.

Selected project experience:

- White Plains School District - High School NOC Room standby power system: The design included a new generator and automatic transfer switch to provide back-up power for critical IT and communication infrastructures. Back-up power was also provided for critical IDF racks located within the High School's Main Office area. H2M continues to oversee the project through construction completion, which is anticipated in April 2018.
- White Plains School District - Electrical Service and Electrical Distribution Upgrades: The design included electrical service upgrades and/or electrical distribution upgrades at Ridgeway Elementary School, Mamaroneck Elementary School, George Washington Elementary School, Highlands Middle School, Eastview Middle School, and Rochambeau School. H2M oversaw each project through construction completion.
- White Plains School District - Eastview Middle School Interior renovations. The design included renovations to 165,000 square feet of the 1920's building. The renovations included interior/exterior lighting, a 2,000 Amp Electrical Service, new fire alarm system, new data network infrastructure, and provisions for a future generator.
- White Plains School District - PA System Upgrades: The design included new IP based telephones, clocks, and speakers for the entire school at Highlands Middle School, Eastview Middle School, and the High School. H2M oversaw the project through construction completion at Highlands Middle School and Eastview Middle School. The design for the High School is currently being reviewed by NY SED.
- Provided electrical building condition surveys for all types of facilities including commercial buildings, high schools, middle schools, elementary schools, administration offices, maintenance garages, and food commissaries. The surveys included a site assessment of all electrical infrastructure including primary electrical services, secondary electrical services, electrical sub-distribution, exterior lighting, interior lighting, IT data network infrastructure, fire alarm systems, emergency lighting, telephone systems, public address systems, audio/visual systems, CCTV systems, and access control systems. Coordinated with the owners to prioritize recommended upgrades and created a 5 year plan to complete the upgrades. The clients that these surveys were completed for included: Syosset School District, South Huntington School District, Uniondale School District, Hastings on the Hudson School District, Clarkstown School District, Pocantico Hills School District, Monroe Woodbury School District, and White Plains School District
- Farmingdale School District - Prepared plans and specifications to replace the electrical feeders for the football field sports lighting and associated track walking lights. The design included voltage drop calculations and calculations for multiple current carrying conductors in one conduit. The design also included a new 480 Volt, three phase, 400 Amp electrical service upgrade to the football field press box.
- Island Trees - Prepared plans and specifications for a new football field lighting system including all associated photometric and voltage drop calculations power and controls.
- Hewlett Woodmere School Districts - Prepared plans and specifications for a new football field lighting system including all associated photometric and voltage drop calculations power and controls.



Michael W. Lantier, P.E., LEED AP

Selected project experience, continued:

- Nassau County BOCES - Server Room and emergency power distribution: The design included the installation of an 80 KVA (software upgradable to 120 KVA) UPS and a 600 KW diesel generator. Due to the critical use of the facility, the client requested that a majority of the building's electrical system be backed up via a stand-by generator so they would be able to continue operations in the event of utility power failure. The design required in-depth analysis and re-routing of the existing electrical loads to accommodate for the stand-by generator electrical distribution.
- Stony Brook University Hospital - Electrical service evaluation was performed detailing the existing loading and emergency switching of five sets of critical switchgear. The evaluation detailed the existing distribution of the 13,200 Volt normal and emergency power and the adequacy of the switching equipment and procedures. Recommendations for improvements were also provided.
- Dormitory Authority of the State of New York - Performed numerous designs and have overseen construction of numerous DASNY housing projects. The projects include electrical distribution, standby generators, lighting, and fire alarm systems. Some of the designs included housing projects located on Redford Avenue, Rainbow Avenue, and Lennox Road. Construction costs for each were approximately \$150,000.
- Clarkstown Central School District - Reviewed the conditions of the school district's 17 buildings and prepared a detailed analysis of recommended improvements. Assisted the district in compiling a five year plan for upgrading the areas of concern and prepared detailed cost opinions for the associated work.
- Smithtown High School West - Electrical Service Upgrades, including new primary feeders, two new pad mounted transformers, and new secondary feeders. The location of the utility power was approximately 1500 feet away from the buildings electrical rooms, therefore great consideration and coordination was required with location of the new primary feeders. Due to the size and electrical requirements (two 2500 Amp services at 480 Volts) of the school two transformers were required. H2M oversaw the construction of this project.
- Island Trees School District - Electrical service upgrades, including new primary electrical service feeders, secondary service feeders, and new pad mount transformers for Sparke Elementary School and Stokes Elementary School. The design also included 1200 Amp Main Switchgear at Stokes Elementary School, and 1600 Amp Main Switchgear at Sparke Elementary School. All distribution wiring to over 25 subpanels, at each school, was replaced.
- South Huntington School District - Electrical service upgrades: (1) New secondary service feeders and new pad mount transformer for Country Elementary School. Design also included the installation of a new 1600 Amp Main Switchgear. Distribution wiring and over 25 subpanels were placed. (2) Design included new primary electrical service feeders, new secondary service feeders and new pad mount transformers for Walt Whitman High School. The design also included the installation of two new 2500 Amp Main Switchgear. All distribution wiring and over 60 subpanels were replaced.

**Experience**

H2M

Education

B.S., Civil Engineering, Manhattan College

Licenses/Certifications

Professional Engineer: NY

Memberships

American Concrete Institute
American Institute of Steel Construction
American Society of Civil Engineers
Vietnam Memorial Commission - volunteered approximately 400 man-hours for the conceptual development of the memorial and the structural design of the steel tower located in Farmingville, New York.

Michael W. McKeown, P.E.

Department Manager – Structural Engineering

Mr. McKeown directs the structural analysis and design of industrial, municipal, commercial, potable water, sanitary structures, high-rise curtain wall systems, low-rise building structures, wastewater treatment plants, water supply tanks, bridge, culverts and special use structures. Projects include analysis and design of concrete slabs, grade beams and pile foundations, deep reinforced concrete foundations and mat foundations, retaining walls, sheet pile retaining walls, marine bulk heads and dock structures. Structural systems include moment and resisting frame, vertical load carrying frames of steel, concrete and/or masonry construction.

Selected project experience:

- Structural analysis and design of steel bulkheads and loading docks for the Village of Ocean Beach and for the Town of Brookhaven at Cherry Grove, NY. Marine bulkhead design for the Village of Greenport.
- Mayor's Housing Recovery Office (HRO) Build it Back Program, Brooklyn, NY – H2M architects + engineers is providing architectural and engineering services as a sub-consultant to Liro Group, the construction manager responsible for the repair/reconstruction/elevation of more than 800 homes under the Build it Back Program. H2M has worked on more than 100 Sandy damaged homes to date, and our services include: initial homeowner meeting and documentation of existing conditions, surveying, elevation certificates, evaluation of available options for raising the lowest floor elevation to Base to Flood Elevation (BFE) plus two feet, cost estimating, zoning analysis, detailed design of proposed elevation/reconstruction option, expediting, DOB submittal and construction administration services. As Department Manager of Structural Engineering, Mr. McKeown oversaw the structural design aspects of the homes, including pile, grade beams, foundations and support of the existing homes to their new foundations.
- Structural analysis and design of reinforced concrete process tanks for the Oyster Bay Sewer District, Town of Huntington Sewer District, Port Jefferson Sewage Treatment Plant and Gabreski Airport Wastewater Treatment Plant for Suffolk County DPW, Riverhead Sewer District.
- Structural analysis and design of numerous reinforced concrete retaining walls for various structures including twenty plus feet high walls for Port Jefferson Sewage Treatment Plant and Hauppauge Sewage Treatment Plant for Suffolk County DPW.
- Existing condition survey of the stone façade of the Hempstead House located at Sands Point, NY for the Nassau County Department of Public Works. Hempstead House is a three story structure, circa 1910, clad in granite rubble stone ornately carved limestone in a traditional gothic style. The existing condition survey included the preparation of a report and design of remedial anchorage for areas requiring emergency repair, along with preparation of construction documents for a future staged repair budgeted at \$3.9 million.
- Structural analysis and design of numerous new building structures, including a new three story with basement firehouse for Jericho Fire District; new three story fire house for the Mamaroneck Fire Department; three story addition to the Headquarters Building for the Hicksville Fire District; new two story firehouses for the Hicksville, East Farmingdale, and Plainview Fire Districts and Stamford, CT Fire Department. Engineering tasks include the Code analysis of the proposed structure, structural analysis and design of the structural elements, preparation of construction documents, and verification of Code compliance with Special Inspection requirements of the applicable building codes.
- Structural analysis and design of new building structures for various school districts, including two story classroom additions for Kings Park and Mt. Sinai School Districts; new media center and library Northeast Elementary School, Stamford, CT; new class room additions for the Mt. Sinai School District; and main entrance lobbies, cafeteria additions,



Michael W. McKeown, P.E.

Selected project experience, continued:

and locker room additions for Kings Park and Hewlett Woodmere School Districts.

- United States Postal Service: structural design of new post offices at Pennington, New Jersey and Whitehouse Station, New York; building modifications for a new USPS ICPS facility at Building 77, JFK Airport; structural design of a new vehicle wash facility at the Melville Bulk Mail Facility; and various modifications to existing post office facilities throughout the New York metropolitan and Long Island areas.
- Structural analysis and design of process tanks, treatment buildings, retaining walls, pump stations and site appurtenances for a new \$64.15 million sewage treatment plant for Suffolk County Sewer District No. 18.
- Structural analysis and design of process tanks, treatment buildings and appurtenances for an upgrade to the existing sewage treatment plant for the Inc. Village of Patchogue.
- Structural design of new elevated water tanks for Village of Ocean Beach, Great Neck and Oyster Bay Water Districts, and the rehabilitation of elevated steel water storage tanks for Riverhead, Hicksville, West Hempstead, and Franklin Square Water Districts.
- Structural analysis and design for the replacement of the Brushes Creek Bridge, Town of Southold. Included pile location plan.
- Design of structural elements of a groundwater treatment plant for the Mobil Oil Corporation involving reinforced concrete plate slabs, grade beams, and pile foundations.
- Design of all structural elements of iron removal plants for the South Farmingdale and West Hempstead Water Districts.
- Structural design of new concrete ground storage tanks for the South Huntington and Dix Hills Water Districts.
- Overhead traveling ladder, charging and scrap cranes for a steel mill for Hoeganaes Corporation.
- Structural evaluation of a concrete viaduct system serving the Lockheed Martin Facility in Yonkers, New York.
- Expert litigation testimony for litigation support of insurance and construction claims.
- Expert Litigation testimony for litigation support for building condemnations for the Village of Patchogue, Inc. Village of Freeport and the Inc. Village of Ocean Beach.

Prior to H2M:

- Stone curtain wall analysis and design for the 16 story Humana Headquarters Building, Louisville, Kentucky.
- Stone and glass curtain wall for Buildings B, C and D at the World Financial Centre, New York. Included all the hand set (non panelized) stone installation for the three buildings, Winter garden atrium and courtyards. All hand set stone for the public space areas of the building complex.
- Stone curtain wall and limestone facade analysis and design for the 16 story Museum of Broadcasting / Museum of Television and Radio, New York.
- Analysis and design of a stone facade curtain wall for the 16-story new laboratory building at Manhattan's Rockefeller University.

**Experience**
H2M**Education**
B.S., Civil Engineering, Clarkson
University**Licenses/Certifications**
Professional Engineer: NY
Project Management Training Program,
H2M

Scott D. Lehn, P.E.

Senior Discipline Engineer – Structural Engineering

Mr. Lehn's responsibilities include the structural analysis and design of industrial, commercial and multi-purpose structures. Tasks have included the design of reinforced concrete tanks for potable water supply operations and sanitary sewerage treatment plants using finite element analysis computer software; steel post and beam construction for new one to three story firehouses and school buildings, design of concrete slabs, grade beams, concrete foundations and mat foundations, as well as assessment of structural condition of existing buildings.

Selected project experience:

- Mayor's Housing Recovery Office (HR0) Build it Back Program, Brooklyn, NY - H2M architects + engineers is providing architectural and engineering services as a sub-consultant to Liro Group, the construction manager responsible for the repair/reconstruction/elevation of more than 800 homes under the Build it Back Program. H2M has worked on more than 100 Sandy damaged homes to date, and our services include: initial homeowner meeting and documentation of existing conditions, surveying, elevation certificates, evaluation of available options for raising the lowest floor elevation to Base Flood Elevation (BFE) plus two feet, cost estimating, zoning analysis, detailed design of proposed elevation/reconstruction option, expediting, DOB submittal and construction administration services. As a Senior Structural Engineer, Mr. Lehn was responsible for the design of the foundations for supporting the existing elevated residential structures. This includes the design of reinforced concrete grade beams, foundation walls and footings. Additionally, new and reconstructed structures require layout of helical pile supports including coordination of installation and fabrication requirements. Additional responsibilities include design of new building elements including cold formed steel and timber framed roof, floor and wall elements for all reconstructed and partially reconstructed structures in this program.
- Dormitory Authority of New York - Governor's Office of Storm Recovery: H2M has provided architecture and engineering services for storm hardening alterations with the goal of improving the resiliency of the structures located in Broad Channel, NY. The design included flood mitigation assessment and improvements to existing facilities to accommodate the installation of flood doors and planks. Structural design additionally included a two-story storage building to be constructed of reinforced masonry bearing walls supporting cold formed steel framing. Applicable lateral flood loading was considered as per FEMA mandated flood heights. Structural steel elevated generator platforms were designed with consideration for elevating the equipment above the design flood elevation (DFE) as per FEMA regulations.
- United States Postal Service - Chiller Plant and HVAC Upgrades at Jamaica Main Post Office: Structural analysis was performed to assess the existing building's structural roof framing as well as existing rooftop dunnage framing to facilitate the installation of a new chiller unit. New structural steel framing was designed to accommodate changes in the equipment size and operating weight that differed from that of the original unit slated for replacement.
- New York City School Authority - P.S. 452, Queens Water Waterproofing: High groundwater table issues coupled with incorrect construction techniques permitted water infiltration to occur through existing seismic joints in the basement flood slab of the facility. Remedial means of sealing the avenue of water intrusion was performed by way of injection resin. Additional waterproofing measures were taken to the foundation wall by injecting grouting voids in the wall construction.
- Design of the reinforced concrete cantilevered retaining walls which were constructed to facilitate the parking and road improvements at the Stony Brook University Medical Center. Additional design was provided for foundations needed for site lighting improvements as well as miscellaneous site features including concrete stairs and parking equipment foundations.



Scott D. Lehn, P.E.

Senior Discipline Engineer – Structural Engineering

Selected project experience, continued:

- Structural analysis and design of a new Sewage Treatment Plant for Suffolk County Sewer District No. 18. Design included a nine chamber 900,000 cubic foot reinforced concrete process tank and a new four chamber 260,000 cubic foot reinforced concrete pre-equalization tank. The STP also required the design of a new single story masonry operations building (5,300 square feet) and headwork's building (1300 square feet) including steel roof joist and structural steel hoist framing and reinforced concrete foundations. Other site structures included the design of several aluminum framed observation and equipment support platforms and reinforced concrete site retaining walls.
- Structural analysis and design of the upgrade and expansion to the Inc. Village of Patchogue Sewage Treatment Plant. Structural design of two new 39,000 cubic feet reinforced concrete clarifier tanks and new 4,500 cubic foot sludge pump station. The design also included the analysis and modification of an existing primary tank to include an aluminum channel and the structural design of a new 112,000 cubic foot reinforced concrete process tank with masonry enclosure.
- Structural analysis and design of wastewater treatment facility at the State University of New York at Stony Brook, Southampton campus. New 12 Chamber, 120,000 cubic foot reinforced concrete process tank with adjacent reinforced concrete basement. Design of a new 5,400 square foot single story masonry laboratory facility that was supported by the tank structure and additional concrete foundations. Building design included structural steel hoist and first floor framing in addition to timber and engineered wood roof and canopy framing.
- Structural design for a new steel framed building addition to an existing substation for Middle Island Fire Department.
- Structural analysis performed on a steel framed office building in Stamford, CT for support of new HVAC equipment and steel support structure.
- Structural design for a new pile supported grade beam and structural slab system supporting post and beam, and masonry shear walls for a new IRA building, Brooklyn, NY for the Dormitory Authority of the State of New York.
- Structural design for a new steel framed building and reinforced concrete clearwell tanks for the VOC Treatment at South Farmingdale Water District.
- Structural analysis performed on an existing reinforced concrete building floor and roof slabs to support new HVAC rooftop equipment and interior masonry wall partitions for renovations to Massapequa High School.
- Structural design of a new two story bus maintenance facility for the South Huntington School District.
- Structural assessment of existing building conditions for Valley Stream School District.



Experience

H2M
URS Greiner, Inc.

Education

M.B.A., Business Administration,
Dowling College
B.S., Mechanical Engineering,
Polytechnic University

Licenses/Certifications

Professional Engineer: NY, NJ, CT, PA
LEED Accredited Professional, USGBC

Memberships

American Society of Heating, Refriger-
ating and Air-Conditioning Engineers
American Society of Mechanical
Engineers
U.S. Green Building Council

Joseph A. Manzella, P.E., LEED AP

Vice President, Department Manager - Mechanical Engineering

Mr. Manzella directs the preparation of specifications and plans for the design of mechanical, plumbing and HVAC systems for office buildings, industrial facilities, hotel and multi-family facilities, medical facilities, laboratories, school and fire district facilities, municipal, private and special use facilities. He inspects and evaluates existing HVAC systems and supervises the preparation of heating and cooling load calculations; the selection and evaluation of heating, cooling and ventilation equipment; and the design of central heating and cooling plants and distribution systems. He supervises all plumbing design work including the design of sanitary and domestic water piping systems; storm drainage; traps and interceptors; natural gas piping; and backflow prevention devices. He also coordinates fire suppression and fire sprinkler design work. He reviews construction shop drawings and is involved in the construction inspection of the mechanical systems designed. Mr. Manzella also reviews all plans for conformance with the local energy conservation construction code.

Selected project experience:

- Project Manager for the piping system replacement at Memorial and Alumni Halls at Farmingdale State College. The project included the demolition of the existing buried steam, condensate, domestic hot water, domestic hot water return, and associated concrete distribution tunnels at the respective locations.
- HVAC systems renovation at the Hewlett Woodmere Middle School, including a new boiler plant, new chilled water plant with chiller, pumps, and ice storage tanks, all associated hot, chilled, and condensate water piping and insulation, classroom unit ventilators, rooftop and interior HVAC air handler units, and all associated ductwork and insulation.
- HVAC design for the new gymnasium addition at the Mount Sinai Middle School.
- HVAC upgrades at the Ogden Elementary School, including new classroom unit ventilators with new steam and chilled water piping and insulation, a rooftop chiller to serve the unit ventilators, and new packaged rooftop units for the auditorium, gymnasium, and multipurpose room, along with all associated ductwork and insulation.
- Heating plant fuel storage tanks and fuel oil transfer pumps for the South Huntington School District.
- HVAC upgrades at the Hewlett Elementary gym.
- Air Handler upgrades for the Baldwin Public Library.
- Supervised the design of the HVAC, plumbing, and fire protection systems for the new Farmingdale School District Aquatic Center. Provided conceptual design for pool dehumidification systems, general building HVAC, and outdoor snow melt systems. Coordinated with structural and architectural designs for placement of rooftop and boiler room equipment. Provided quality assurance reviews for all mechanical drawings and specifications.
- Supervised the design of the HVAC and plumbing systems for the new Outdoor Learning Lab facility for Western Suffolk BOCES. The project, to be located at Sunken Meadow Park, involved the design of VRF heat pump systems and packaged rooftop HVAC units for classroom and office spaces. Plumbing design included a new domestic water service, sanitary piping design, domestic water heating plant, and plumbing fixture selection.



Joseph A. Manzella, P.E., LEED AP

Selected project experience, continued:

- Mechanical design for the replacement of the existing power plant cooling towers serving Brooklyn OMRDD campus for the Dormitory Authority of the State of New York.
- HVAC system upgrades to the USPS Soundview Station, Parkchester Station and Wakefield Station Post Offices. Upgrades included the replacement of existing rooftop HVAC units and associates ductwork and controls.
- New compressed air systems to serve the USPS Western Nassau, Mid-Island, Bronx, Newburgh, Queens and JFK Airport Bulk Mail Facilities.
- Chiller plant upgrades for the USPS Bronx General Post Office and the Jamaica Main Post Office.
- Air Handler system upgrades for the USPS and the Dormitory Authority of the State of New York.
- Piping and insulation upgrades for the State University Construction Fund/State University of New York - College at Old Westbury.
- Air handler upgrade for the Clark Athletic Center, SUNY Old Westbury.
- Mechanical design for the HVAC Upgrades at Hampton Library - New condensing boiler plant and cooling tower to replace an existing fouled geothermal water source heat pump system for the Hampton Library. Construction of a new remote mechanical equipment building.
- Mechanical design for the HVAC Upgrades at Levittown Public Library - New condensing boiler plant, rooftop HVAC units, VRF split systems, and air handlers to replace the existing original building HVAC systems.
- Project manager and mechanical engineer for the investigation and design of a complete HVAC System Upgrade for the Hicksville Public Library. Developed a feasibility study for a long term equipment replacement program to allow the Library to develop a plan for project funding.
- Mechanical design for the air handler and boiler plant upgrades for the Half Hollow Hills Community Library facilities located in Dix Hills and Melville, NY. Responsible for the overall project design and construction oversight.
- Mechanical engineer for the investigation of the building mechanical systems for the Huntington Public Library. Provided an existing mechanical conditions report for the Library as part of a larger overall building conditions study.
- Plumbing and HVAC design for the Grant Park Apartment complex in Yonkers, NY, a three 4-story apartment building.
- Plumbing and HVAC design for the new Vineyard Apartments in Yonkers, NY, a four-story apartment complex.
- Diesel and gasoline storage and dispensing facilities for the Town of Riverhead and the Town of Brookhaven.
- HVAC and plumbing design for facility upgrades for the Hewlett-Woodmere, Baldwin, South Huntington, and Kings Park School Districts.
- Boiler plant upgrades for the Half Hollow Hills Community Library and Village of Freeport Library.



Experience

H2M
Stantec Consulting
Symat, Inc.

Education

B.S., Engineering Science, SUNY at
Stony Brook

Licenses/Certifications

Professional Engineer: NY

Memberships

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers
American Society of Mechanical
Engineers
National Society of Professional
Engineers

Alexander Hochhausl, P.E.

Practice Leader/Manager - HVAC

Mr. Hochhausl offers over 25 years ground-up experience with a diverse background ranging from the design of equipment systems including automated industrial, pharmaceutical and packaging equipment, and facility HVAC and utility generation and distribution systems.

Selected project experience:

- Steam Sub Metering Investigation - Brooklyn Navy Yard, B280: Field investigation of building steam piping for development of existing conditions flow diagram to identify steam distribution, control, and metering locations. Recommendations of piping modifications to segregate the supply to allow for sub metering.
- Boiler Replacements - Multiple Schools: Performed load calculations of four schools for replacement of heat hot water boilers with condensing boilers. Replacement of central air handling unit with fan wall technology and associated filtration and controls. Provided N+1 redundancy for building heating plant and distribution systems with improved monitoring, control, and efficiency.
- H&V Furnace Conversion: Replaced oil fired indirect heating system on a 75,000 CFM central H&V unit with dual condensing boilers, hot water coils, new gas service, and controls. Replaced single fan with fan wall technology and an associated filtration and controls. Provided N+1 redundancy for building heating plant and distribution systems with improved monitoring, control, and efficiency.
- Steam to Hot Water Conversion: Replaced all boiler room equipment, distribution, and heating systems with hot water equipment for elementary school. Included replacement of all unit ventilators, conversion of H&V units, installation of new controls, construction was completed in three months.
- H&V and A/C replacements and upgrades: Replaced aging H&V units and provided air conditioning district wide for multiple school districts for classrooms, science rooms, cafeterias, auditoriums, and gymnasiums. Construction budgets in excess of \$30 million.
- Building expansion requiring 12 new custom air handling units (including replacement of sterile department 50,000 CFM air handling unit). Utility plant was analyzed and equipment was specified to meet new requirements for steam, clean steam, chilled water, DI, WFI, heating hot water and compressed air. Single pass process cooling system was analyzed; expansion was planned and executed in phases to minimize existing facility impact.
- Performed the analysis and design to replace an existing 1,000 ton air cooled chiller plant with an 800 ton water cooled chiller plant. Work included analysis of existing building requirements, system modification to change delta T operation, glycol percentage and airflow reductions. Performed economic and BIN analysis of air cooled vs. water cooled chiller plant. A modular chiller plant comprised of two 400 ton chillers, two cooling towers, and a dry cooler for process loads was specified and installed.
- Designed chilled water system to reuse two existing 150 ton chillers to served three existing buildings. Required resizing of pumps, controls, new tie-ins as well as above ground and underground piping. Design was performed in three weeks. Construction was completed two months after design documents were completed.
- Renovation of unoccupied 150,000 SF office and laboratory building. Required extensive facility evaluation, replacement of chillers, air handlers, expansion of DI water system, high and low pressure boilers, piping systems and lab gas distribution.



Alexander Hochhausl, P.E.

Selected project experience, continued:

- Coordinated mechanical and electrical work for various equipment replacement/upgrade projects including: air cooled instrument air compressor, water cooled breathing air compressor, electric and steam hot water heaters, clean steam generators, sample condenser, and Bio-Kill system upgrade.
- Fume Hood Installation Study and Design - Performed assessment of existing HVAC systems to determine feasibility of installing additional walk-in fume hoods into existing labs. Provided a study report which led to design award. Coordinated mechanical, electrical, and architectural work to generate the construction documents.
- Cooling Tower Study - Analyzed newly installed cooling towers, supply pumps, and distribution system to determine reason for abnormally high operating pressure. Determined cause of problem to the newly installed water cooled condenser cooling water control valves. Developed multiple options with equipment manufacturer to reduce operating pressure requirements.
- Vial Packaging Line - Converted a storage area into a new secondary packaging operation. Project required complete redesign of HVAC system including upgrade of outside air capacity, reheat system, and ductwork. Provided new equipment compressed air as well as service drops.
- Warehouse Construction - Performed all field work and developed all demolition and construction drawings for conversion of existing laboratories into GMP warehouses. This included the upgrade of existing AHU controls and fixed speed drives to VFD controls, conversion of 100% outside air AHU to return air operation, complete redesign of supply and return duct work, as well as exhaust fans.
- HU Chilled Water to DX Cooling Study - Analyzed three air handling units to determine requirements to convert from chilled water cooling to DX cooling. Conversion is required due to removal of associated cooling towers. Analyzed AHU to document required modifications, determine location for condensers, investigated power requirements, specified equipment, and provided opinion of probable construction costs. Implemented solution required modification of existing (abandoned) remote chillers to serve subject HVAC systems, study of underground utilities for new chilled water piping.

Prior to H2M, Mr. Hochhausl worked at Stantec consulting where he worked as a mechanical engineer for industrial and biopharmaceutical projects ranging in size from maintenance projects to facility renovations and expansions to new facility designs. He worked with clients to develop scope, lead design process and support construction. Project construction budgets ranged from less than \$50,000 to over \$50 million. Projects required extensive field work and to work closely with client personnel to analyze existing system performance, identify problems, perform calculations and recommend solutions. He designed mechanical systems for DI and USP water, CIP, COP, SIP plant and clean steam, tower and chilled water systems, dust collection, pneumatic conveying, packaging and filling lines. He also designed HVAC systems to meet cGMP (FDA) and ISO guidelines.



Experience

H2M

Paulus, Sokolowski and Sartor
Sear-Brown

Fairfax County Department of Public
Works

Paciulli, Simmons and Associates

Education

M.A., Public Administration, George
Mason University

B.S., Civil Engineering, Virginia Tech

Licenses/Certifications

Professional Engineer: NY, NJ, VA

LEED Accredited Professional, USGBC

Dale Carnegie Leadership Training for
Managers

Professional Liability Education
Program, DPIC

Project Management Certification
Designated Plans Examiner

Memberships

American Society of Civil Engineers

Presentations

Best Practices for a Successful
NYSDEC audit of a Village MS4

Stormwater Program, Nassau County
Village Officials Association, October
2012

Michael W. Keffer, P.E., LEED AP

Vice President, Director of Civil Engineering

Mr. Keffer is a professional engineer with over 30 years of diversified civil engineering and land development experience. As Director of the Civil Engineering Division, he manages the civil engineering, land surveying, landscape architecture, and environmental planning, and GIS practice areas within the firm. Mr. Keffer is also involved in site development projects from client interaction, site plans, municipal approvals, permitting, public hearing testimony, through construction. He works on a variety of private and public projects including commercial, residential, retail, municipal, hotel, fire and K-12 facilities. In addition, he is the technical coordinator of MS4 program for numerous local villages. He coordinates the efforts of all involved disciplines, engineering design staff, and oversees project budgets and schedules.

Mr. Keffer also assists as Village Engineer in the communities of Bayville, Lloyd Harbor, and Great Neck. In this role, he provides the technical review on site development applications for Village Boards' of Trustees, Planning Board, and Zoning Board. In addition, he represents these Boards as Village Engineer during public hearings.

Selected project experience:

- PSEG Long Island FEMA Hazard Mitigation Program, NY: Permitting Technical Advisor responsible for providing technical guidance and information to design engineers preparing highway work permit applications to State, County, Town, and Village officials for underground electrical work within the public right-of-way. Conducted meetings with NYSDOT officials in presenting proposed underground circuits and facilitating approval of PERM32 permits.
- Stony Brook University Medical Center, NY: Project Manager responsible for overseeing Phase 1 East Campus parking improvements which include the engineering design of 650 new parking stalls, over 3,000 linear feet of road improvements, traffic roundabout, streetscape, street lighting, storm drainage system and water main extension with an estimated construction cost of \$7 million.
- Nassau County DPW, Post Avenue Emergency Repairs, Westbury NY: Project Manager responsible for overseeing the field investigation, due diligence and engineering design to replace 4-24 inch diameter CMP pipes totaling 920 linear feet at the Long Island Railroad bridge crossing which was damaged by a historic rain storm event in August 2014.
- Stormwater Management Plan for Mastic Beach-Smith Point of Shirley, NY: Project Manager responsible for managing stormwater analysis for an area encompassing approximately 2,800 acres within the Village of Mastic Beach and Smith Point of Shirley. This project was identified in the New York Rising Community Reconstruction Plan (NYRCR) Plan dated March 2014 as part of the Governor's Office of Storm Recovery (GOSR). Stormwater models were developed using the SCS method to evaluate the capacity of existing drainage systems capacity to discharge runoff for a 10-yr, 24 hour storm event. Based on this analysis, recommendations to improve resiliency for the existing drainage systems and areas which frequently flood were developed which included pipe and structure upgrades, tide check valves, use of public land for stormwater storage, infiltration and green infrastructure measures where feasible.
- Town of North Hempstead, Manhasset Valley Park, Manhasset, NY: Project Manager responsible for land surveying, civil engineering, architectural, structural and MEP services for major park improvements which include new lacrosse and baseball fields with stadium seating, playground, parking, walking trails, site lighting and comfort station facility.
- Town of North Hempstead Beach Park, Roslyn, NY: Project Manager responsible for conceptual site planning, land surveying, and civil engineering for two synthetic turf youth baseball fields with fencing and dugouts, and a grass soccer field. Due to shallow groundwater and marginal soil conditions, a linear leaching chamber system was designed for stormwater runoff.



Michael W. Keffer, P.E., LEED AP

Selected project experience, continued:

- Forest Laboratories, Inc., Commack, NY: Project Manager responsible for site plans and permitting for the site redevelopment of an existing 423,000 square foot building on a 33.9 acre site. The new plans include the addition of 433 parking spaces, 572 land banked parking spaces, drainage improvements, expansion of four separate onsite sanitary disposal systems, and landscape architectural elements on two sides of the existing building.
- Hilton Garden Inn, Stony Brook University NY: Project Manager responsible for site plans and permitting for a 5-story, 135 room hotel on an 11.4 acre site. Coordinated and obtained approvals for offsite sanitary sewer main improvements with Suffolk County Department of Public Works and Suffolk County Department of Health Services.
- Paerdegat Basin Boat Docks, Canarsie, NY: Project Manager responsible for overseeing the engineering design and environmental permitting to replace over 4,000 linear feet of boat dock including fixed and floating docks, piles and gangways for National Grid and the New York City Department of Parks & Recreation. The project will provide 140 boat slips, each with water and electric service pedestals and will be handicap accessible. The construction estimated cost is \$3.6 million.
- Mental Health Associates of Nassau County, Hempstead, NY: Project Manager responsible for conceptual site planning, and site engineering to implement flood mitigation measures at a property within the Village of Hempstead. The property abuts a Nassau County drainage channel which overflows during short duration high intensity storms which floods the parking field and building. The project included the implementation of a passive FloodBreak gate and swing gate with new retaining walls along the periphery of the building which will eliminate future flooding of the building.
- BAPS Temple, Huntington, NY: Project Manager responsible for overseeing site engineering plans for a 24,500 sf Temple building on 8 acre site and obtaining regulatory approvals from the Town of Huntington and the Suffolk County Department of Health Services.
- Emergency Storage Facility, Clarkstown, NY: Project Manager responsible for managing a multi-discipline design team for a new 20,000 sf emergency storage facility along Route 304 in Congers, NY. The facility provides indoor storage for emergency equipment and office space and included driveway, parking, and utility site improvements.
- Villages of Bayville and Great Neck: Village Engineer responsible for providing technical review of site engineering plans and subdivision plans for Planning and Zoning Boards.
- Villages of Plandome, Great Neck, Bayville, Farmingdale, Port Washington North, Lloyd Harbor, and Washingtonville, NY: MS4 Stormwater Program Technical Coordinator responsible for preparing and overseeing the MS4 Annual Report and Stormwater Management Program (SWMP) annually for local villages to comply with the New York State Department of Environmental Conservation General Permit requirements.
- Sag Harbor Pavement Evaluation: Project Manager responsible for managing the pre- and post-roadway condition assessment surveys on approximately 1.7 miles of trucking haul routes to and from a remedial clean-up site for a manufactured gas plant operated by National Grid.
- Rockaway Park Pavement Evaluation: Project Manager responsible for managing the pre- and post-roadway condition assessment surveys on approximately 0.54 miles of trucking haul routes to and from a remedial clean-up site for a manufactured gas plant operated by National Grid.

**Experience**

H2M
Gibbons, Esposito and Boyce, P.C.

Education

B.S., Civil Engineering, Polytechnic
University

Licenses/Certifications

Professional Engineer: NY, NJ

Memberships

American Society of Civil Engineers
American Public Works Association

Honors/Awards

American Society of Civil Engineers,
Student Chapter, Meritorious Service,
1989

Matthew R. Mohlin, P.E.

Assistant Vice President, Civil Department Manager

Mr. Mohlin has more than 25 years of civil engineering experience. His responsibilities include the management of all municipal civil engineering design projects. He also served as a project manager for multiple projects that include the analysis and design of roadways, parking lots, paving; site grading; drainage and sanitary systems, flood control systems, parks and recreational facilities, irrigation systems, bulkheads and docks, and the preparation of designs, site plans, specifications, and reports. He is Project Manager on numerous projects, some of which are listed below.

Selected project experience:

- Battery Park City Authority: Civil Engineer for the development of a conceptual resiliency plan for a portion of Battery Park City. The conceptual design identified viable routes for approximately 1,500 feet of barrier wall along waterfront locations, West Side Highway, and Chambers Street based on topography and existing infrastructure. Additionally, the design included an assessment of numerous barrier technologies that could potentially be utilized along the proposed route.
- NYC DDC: Completion of an infrastructure study for an entire block of homes within Sheepshead Bay, Brooklyn. As part of the installation of sanitary sewers associated with the construction of the sewage treatment plant in Coney Island in the 1970's, several roads were elevated, leaving 40 homes approximately 4 feet below street elevations. Half of these homes have no street frontage and are accessed only via pedestrian walks. All homes are served by privately owned sewers and utilities and the areas is subject to frequent flooding and sewage back-ups. Many of these homes were damaged during Superstorm Sandy and were being raised and reconstructed as part of the New York City Build it Back Program. In connection with the improvements to the individual homes, Mr. Mohlin completed a comprehensive study of the existing privately owned infrastructure serving all 40 properties to recommend improvements to the storm and sanitary sewers and water mains.
- DASNY: Design services related to the reconstruction of approximately 2 miles of roads within the College of Staten Island. The overall project included drainage improvements, traffic calming and re-alignment of several horizontal curves to improve safety.
- NYCHA: Investigation and design services associated with the remediation of site flooding due to perched groundwater at Stapleton Houses in Staten Island. Improvements included a subsurface collection system that discharged into NYC sewers.
- NYCHA: Design of a new, natural grass baseball field and exercise track at Throggs Neck Houses in the Bronx. New site amenities incorporated into the design include equipment storage shed, bleachers, electronic scoreboard, dugouts, and drinking fountain.
- Town of Hempstead: The development of a comprehensive drainage analysis for the entire hamlet of Oceanside. This project was identified in the NY Rising Community Reconstruction (NYRCR) Plan dated March 2014 as part of the Governor's Office of Storm Recovery (GOSR). This study is intended to help rebuild a more resilient community in response to the severe damage caused by Hurricane Irene, Tropical Storm Lee, and Superstorm Sandy. This study was commissioned by the Town of Hempstead to evaluate existing drainage infrastructure for known flooding locations and to recommend improvements throughout the study area to improve resiliency following rain events and coastal storms. The scope of work included computer modeling of numerous drainage systems within the overall 3,500 acre watershed with recommendations to improve resiliency following storms and coastal flooding events.
- City of New Rochelle: Design of drainage improvements for a 2,000 acre watershed. The existing system encompasses over 5,900 linear feet of storm drain pipe which range in size from 12 to 66 inches in diameter including a 55 inch x 38 inch box culvert. Significant flooding occurred during heavy rain events. Much of the existing pipe and infrastructure was undersized or structurally deficient. Improvements included replacement of most of the existing infrastructure with larger and hydraulically efficient piping systems.



Matthew R. Mohlin, P.E.

Selected project experience, continued:

- DASNY: Project Manager and civil engineer for the replacement of a salt storage facility at the Staten Island Developmental Disabilities Service Office. The project included asbestos abatement, new timber salt storage building, and brine collection system.
- Village of Hempstead: Design services for the reconstruction of a 160 stall municipal parking field serving Village Hall, police station and public library. The project included drainage improvements and the installation of a centralized parking meter system.
- Suffolk County Department of Public Works: Civil engineering design associated with the remediation of a 45 acre property in East Patchogue including a 2,500 foot section of Mud Creek that traverses the property. The site had previously operated as a duck farm and has since been abandoned. The County acquired the property and intends to convert the site into a new County park. The design included removal of dilapidated buildings, invasive species and debris, re-alignment of Mud Creek, construction of a new box culvert, parking, hiking trails and interpretive exhibits.
- Town of Clarkstown: Design of an 8 foot x 4 foot box culvert under Lake Nanuet Drive, Nanuet. The box culvert was warranted to alleviate flooding of Lake Nanuet Park. During Hurricane Irene, flooding caused premature closure of the park's swimming pool. Work included preparation of drainage easements on private property and relocation of numerous utilities to accommodate the new culvert.
- Nassau County Department of Public Works: Drainage improvements to alleviate street flooding on Main Street, East Rockaway, NY, including re-alignment of drainage pipes and reconstruction of several drainage structures.
- Suffolk County Department of Public Works: Design of the replacement of two drainage culverts and modifications to the Northeast Branch of the Nissequogue River for the purpose of lowering groundwater elevations in the surrounding areas. Modifications to the river included removal of man-made sediment deposits and upland drainage improvements to prevent future deposition of sediment, and evaluation of improvements to Millers Pond and Hallock Acres subdivision to alleviate flooding and high ground water conditions.
- Wetlands Preserve in West Hills: Design of over one mile of handicap accessible nature trails throughout the 10.6 acre site located at the northeast corner of Jericho Turnpike (NYS 25) and Paumanok Drive adjoining the Walt Whitman High School. Site contains numerous environmental features such as kettle holes, freshwater wetlands, and sloped woodlands. Paths were designed to create the least disruption to natural site features, while providing the best vantage points for viewing unique ecological communities.
- Inc. Village of Bayville: \$2.5 million of drainage improvements for the Valentine Beach area, including eliminate flooding and improve water quality of storm water runoff that was ultimately discharged into surrounding surface waters.
- Inc. Village of Great Neck: Annual roadway improvement program totaling over \$12 million to date. Work included curb and sidewalk improvements, asphalt paving and drainage improvements.
- Synthetic Athletic Field Projects: Tarrytown, Kings Park, Mount Sinai, Hewlett Woodmere, Baldwin, Island Trees, South Huntington and Smithtown School Districts - overseeing the replacement of the existing grass athletic field with new synthetic turf football/soccer field with associated drainage system improvements for the new field.



Experience

H2M

John Schnurr, PLLC

Young & Young Surveying & Engineering

Nelson & Pope Engineering & Surveying

Education

A.A.S., Civil Engineering Technology,
Nassau County Community College

Licenses/Certifications

Professional Land Surveyor: NY

Memberships

New York State Association of
Professional Land Surveyors

Nassau-Suffolk Civil Engineers, Inc.,
Past President

National Society of Professional Land
Surveyors

John Schnurr, P.L.S.

Assistant Vice President, Land Surveying Group

Mr. Schnurr has over 46 years of diversified experience in the survey profession. His experience spans the public and private sectors and includes expertise in site/civil engineering. Mr. Schnurr has an extensive background in both the office (technical and legal) and in the field. He is experienced with GPS, Total Station and conventional survey equipment, related software and AutoCADD applications.

Selected project experience:

- Directed the topographic and boundary surveying of more than 55 building sites in conjunction with Mayor Bill de Blasio's Housing Recovery Office's (HRO) Build it Back program in Brooklyn, NY. H2M provided the necessary Elevation Certificates, Boundary and Topographic survey information required to work on more than 100 Sandy damaged homes to date. The Build it Back program provides CDBG-DR funding to Sandy impacted homeowners throughout the City for permanent repairs and resiliency measures including home elevations and full reconstructions above the Base Flood Elevation (BFE).
- Expansion and reconstruction of the sewage collection system for the Suffolk County Sewer District No.18 at the Hauppauge Industrial Park.
- Surveying and mapping of over 5800 L.F. of roadways for the upgrading of the sewage collection and pump station upgrades for the Town of Clarkstown, Rockland County, NY.
- Surveying and mapping of over three miles of roadways for Nassau County Department of Public Works, in conjunction with construction of a new pump station and force main located in Locust Valley, N.Y.
- Ongoing topographic surveying and mapping for over 30 acres of environmentally sensitive wetlands, including 11,000 L.F. of the streams at the headwaters of the Nissequogue River. This project is being mapped in concert with the Town of Smithtown, Incorporated Village of the Branch and the Suffolk County Department of Public Works.
- Topographic surveying and mapping of a portion of Stony Brook University, East Campus-Parking Phase 1, which included over 25 acres, 3,000 L.F. of roadways and subsurface utility mapping for the construction of a parking garage, parking fields, recharge basin and modifications to the existing interior roadway configuration.

Prior to H2M, Mr. Schnurr was owner of John Schnurr, PLLC for more than seven years, providing services to land developers, municipalities and the private sector. As such, his work included property development and planning, topographic surveys, boundary surveys and ALTA/ACSM surveys, computations and mapping, preparation of legal descriptions, and construction surveying. Prior to his own business he was a partner in two surveying firms overseeing daily office operations and managing groups as large as six field crews. Some of his projects included:

- Subway tunnel alignment in New York City under the South Street Seaport prior to construction for the South Street Seaport.
- Director of survey and mapping for the development of a proposed major mall at Parr Meadows Racetrack, Town of Brookhaven.
- Director of survey and mapping for numerous subdivisions, both single family and multi-family, as well as commercial projects.

**Experience**

H2M
John Schnurr, P.L.S.

Education

AAS, Construction Technology, Suffolk
Community College

Joshua S. Gehrkin

Survey Crew Chief

Mr. Gehrkin has 15 years of experience in the surveying field, as an AutoCAD technician, instrument person, and a party chief, working in the office and in the field. His experience includes title surveys, ALTA/ACSM land title surveys, topographic surveys, route surveys, environmental surveys, construction stakeout, horizontal and vertical control surveys, architectural surveys and Boundary and area calculations. He has knowledge and experience of surveying methods using GPS, conventional electronic and robotic total stations, data collection and processing equipment and software in addition to other various surveying equipment. Mr. Gehrkin has computed and drafted title and topographical surveys. Mr. Gehrkin has extensive field experience in riparian environments.

Selected project experience:

- Responsible for field surveying and office calculations, including draftings, of more than 55 parcels as part of Mayor Bill de Blasio's Housing Recovery Office (HRO) Build it Back program in Brooklyn, NY. H2M is providing the necessary Elevation Certificates, Boundary and Topographic survey information required to work on Sandy damaged homes.
- Boundary and topographical survey for the Riverhead Sewer District.
- Environmental Investigative Survey for Nissequogue River restoration Smithtown. This project is being mapped in concert with the Town of Smithtown, Incorporated Village of the Branch and the Suffolk County Department of Public Works.
- Baldwin water main project route survey.
- Various boundary and topographical survey for H2M's clients.

Prior to H2M:

- Boundary, topographic and construction survey, and construction layout for Independent Group Home Living.
- Boundary and topographic survey for Culross Corporation beach erosion remediation.



Debra L. Mattina

Assistant Vice President, Department Manager

Ms. Mattina serves as a department manager on numerous asbestos, mold, environmental and hazardous material concerns and indoor air quality projects. Her responsibilities include inspection of the site, development of remedial strategies, and oversight of remedial activities to ensure both cost effectiveness and compliance with applicable regulations and industry standard practices. Ms. Mattina consults with clients, contractors and homeowners throughout the entire remedial process, and serves as a primary point of contact for the client.

Selected project experience:

- Asbestos surveys and indoor air quality, project monitoring/air sampling for asbestos abatement projects for numerous school districts, private industries, commercial industries, residential clients and insurance clients.
- Indoor air quality experience including worker exposure, chemical analysis of various types of volatile organics, polycyclic aromatic hydrocarbons, silica testing, soot testing, microbial testing, respirable dust testing, nuisance dust testing and general indoor air quality testing.
- Mold inspections for numerous insurance companies, school districts, private industries, commercial industries, and residential clients. Projects involved microbial sampling, visual inspection of the property, determination of cause and origin, identify secondary sources of moisture and pre-existing mold conditions, developing a mold remediation scope of work plan, review of analytical data and preparation of final reports.
- Yankee Stadium asbestos survey.
- New York Racing Association mold inspection.
- Estee Lauder Company air sampling during lead abatement.
- Arrow Electronics IAQ air sampling and water sampling.
- Town of Brookhaven asbestos survey and mold inspection.
- Locust Valley School District asbestos survey and project monitoring/air sampling during asbestos abatement.

Experience

H2M

J.C. Broderick and Associates

Education

B.A., Environmental Studies, State
University of New York at Stony Brook

Licenses/Certifications

Asbestos Inspector, AHERA/NYSDEL
Asbestos Project Monitor, Asbestos
Management Planner, Air Sampling
Technician, NYSDOL

Hazardous Waste Operations and
Emergency Response, OSHA 40-hour
Microbial Investigator, American IAQ
Council
OSHA 10 Construction

Memberships

American Industrial Hygiene
Association

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
BRIARCLIFF MANOR, NEW YORK

**ARCHITECT/ENGINEERING SERVICE
CONSULTANT FEE SCHEDULE**

Architect/Engineer Services – Phase 1 \$.08/Sq. Ft.
(Conducting BCS and Development of Five-Year Plan)

Pre-Bond Cost – Initial Phase 2 \$ See Below
(All work performed prior to referendum date)

Pre-Bond Cost – Subsequent Phase 2 \$ See Below
(All work performed prior to subsequent referendum date)

H2M proposes to provide Pre-Bond referendum services for a not to exceed lump sum fee as follows:

<i>Bond Referendum \$10,000,000 - \$20,000,000</i>	<i>H2M proposed fee \$35,000</i>
<i>Bond Referendum \$21,000,000 - \$40,000,000</i>	<i>H2M proposed fee \$45,000</i>
<i>Bond Referendum \$41,000,000 - \$60,000,000</i>	<i>H2M proposed fee \$58,000</i>

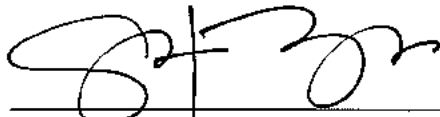
Final Plans and Construction – Each Phase 3 and 4
Approved Bid Amount/Total Construction Cost

\$ -0- to \$1,000,000	<u>7.25% of Construction Cost</u>
\$1,000,001 to \$5,000,000	<u>7.00% of Construction Cost</u>
\$5,000,001 to \$10,000,000	<u>6.75% of Construction Cost</u>
\$10,000,001 to \$15,000,000	<u>6.50% of Construction Cost</u>
\$15,000,001 to \$20,000,000	<u>6.50% of Construction Cost</u>
\$20,000,001 or more	<u>6.25% of Construction Cost</u>

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
BRIARCLIFF MANOR, NEW YORK

ARCHITECT/ENGINEERING SERVICE
CONSULTANT FEE SCHEDULE (continued)

Proposal Submitted by:



Architect/Engineer (Signature)

4/17/19

Date

Saverio J. Belfiore, AIA, CSI, Vice President

Name/Title

(631)756-8000 ext. 1359

Telephone

2700 Westchester Avenue, Suite 415

Address

Purchase, NY 10577

(914)358-5624

Facsimile

sbelfiore@h2m.com

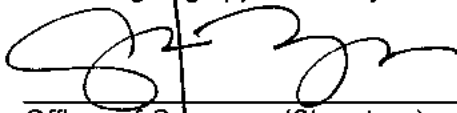
E-Mail

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
BRIARCLIFF MANOR, NEW YORK

AGREEMENT ON TERMS OF DISCUSSION

The District's receipt or discussion of any information submitted in response to the District's RFP, including information submitted during discussions after said submittal (including ideas, models, drawings or other material communicated or exhibited by us or on the District's behalf) will not impose any obligations whatsoever on the District or entitle us to any compensation, except to the extent specifically provided in such written agreement, if any, as may be entered into between the District and the firm. Any such information given, either orally or in writing, is not given in confidence and may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this agreement, whether made as part of or in connection with any information received from us in any fashion, shall be null and void and of no effect. This letter is not intended, however, to grant to the District the right to use any matter which is the subject of valid letters patent.

The foregoing applies to any information whether or not given at the invitation of the District.



Saverio J. Belfiore, AIA, CSI

Officer of Company (Signature)

4/17/2019

Date

Vice President

(914) 358-5623

Title

Telephone Number

H2M architects + engineers

(914) 358-5624

Company

Facsimile Number

2700 Westchester Avenue, Suite 415, Purchase, NY 10577

Address

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
BRIARCLIFF MANOR, NEW YORK

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
REQUEST FOR PROPOSAL (RFP) CERTIFICATIONS

FIRM NAME: H2M architects + engineers

BUSINESS ADDRESS: 2700 Westchester Avenue, Suite 415, Purchase, NY 10577

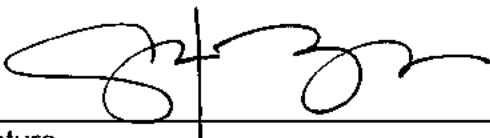
TELEPHONE NUMBER: (914) 358-5623

DATE OF PROPOSAL: April 18, 2019

GENERAL RFP CERTIFICATION

The offeror certifies that he will furnish services as proposed in this proposal.

The Architect will execute either AIA Document B141 or B141 CMA (Owner-Architect Agreement), as appropriate and as negotiated by the School District's attorney and agreed to by the Board of Education.


Signature Saverio J. Belfiore, AIA, CSI, Vice President

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
BRIARCLIFF MANOR, NEW YORK

REFERENCE SHEET

All offerors will be required to complete this form providing three references of past performance. References should involve downstate projects and/or service situations of similar size and scope to this bid. References must have had dealings with the offeror within the five years. The District reserves the right to contact any or all of the references supplied for an evaluation of past performance in order to establish the responsibility of the offeror before the actual award of the contract. Completion of the reference form is required.

OFFERER'S NAME:	H2M architects + engineers	_____
DATE FILED:	4/17/19	_____
COMPANY NAME:	H2M architects + engineers	_____
ADDRESS:	2700 Westchester Avenue, Suite 415	_____
CITY: STATE: ZIP:	Purchase, NY 10577	_____
OFFICER:	Saverio J. Belfiore, AIA, CSI, Vice President	_____
CONTACT:	sbelfiore@h2m.com	_____
FEDERAL ID #:	11-2235604	_____
TELEPHONE:	(914)358-5623	_____
FACSIMILE:	(914)358-5624	_____

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
BRIARCLIFF MANOR, NEW YORK

REFERENCE #1:

CONTACT: Maureen Caraballo, District Treasurer

ADDRESS: Hastings on Hudson Union Free School District, 27 Farragut Avenue

CITY-STATE-ZIP: Hastings-on-Hudson, NY 10706

TELEPHONE: (914) 478-6405 PROJECT COST/ DATE: \$18.3 million construction cost/ 2020 est.

REFERENCE #2:

CONTACT: Marianne Heslin, Assistant Superintendent for Business and Operations

ADDRESS: Pocantico Hills Central School District, 599 Bedford Road

CITY-STATE-ZIP: Sleepy Hollow, NY 10591

TELEPHONE: (914) 631-2440 PROJECT COST/ DATE: \$793,000 / 2018

REFERENCE #3:

CONTACT: Frank Stefanelli, Director of Facilities and Operations

ADDRESS: White Plains City School District, 5 Homeside Lane

CITY-STATE-ZIP: White Plains, NY 10605

TELEPHONE: (914) 422-2049 PROJECT COST/ DATE: \$48 million construction cost / 2017

BRIARCLIFF MANOR UNION FREE SCHOOL DISTRICT
BRIARCLIFF MANOR, NEW YORK

NON-COLLUSIVE BIDDING CERTIFICATION

Offeror H2M architects + engineers
Name: _____

Business 2700 Westchester Avenue, Suite 415, Purchase, NY 10577
Address: _____

Telephone No. (914)358-5623 Date of Bid: 4/16/19

I. GENERAL BID CERTIFICATION

The offeror certifies that he or she will furnish, at the prices herein quoted, the materials, equipment, and/or services proposed in this proposal.

II. NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this proposal, the offeror certifies that he/she is complying with Section 103-d of the General Municipal Law as follows:

Statement of non-collusion in bids and proposals to political subdivisions of the state.

Every bid or proposal hereafter made to a political subdivision of the state of any public department, agency or official thereof where competitive bidding is required by statute, rule, regulation, or local law for work or services performed or to be performed or goods sold or to be sold, shall contain the following statement subscribed by the offeror and affirmed by such offeror as true under the penalties of perjury: Non-collusive bidding certification.

a) By submission of this bid, each offeror and each person signing on behalf of any offeror certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

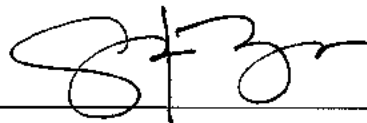
1. The prices in this bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other offeror or with any competitor.

2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the offeror and will not knowingly be disclosed by the offeror prior to opening, directly or indirectly, to any other offeror or to any competitor; and
 3. No attempt has been made or will be made by the offeror to induce any other person, partnership, or corporation to submit or not to submit a bid for the purpose of restricting competition.
- b) A proposal shall not be considered for award nor shall any award be made where a) - 1., 2., and 3. above have not been complied with, provided however, that if in any case the offeror cannot make the foregoing certification, the offeror shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefor. Where a) - 1., 2., and 3. above have not been complied with, the bid shall not be considered for award nor shall any award be made unless the head of the political subdivision, public department, agency or official thereof to which the bid is made, of his/her designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that an offeror has a) published price lists, rates or tariffs covering items being procured, b) informed prospective customers of proposed or pending publication of revised price lists for such items or c) sold the same items to other customers at the same prices being proposed, does not constitute, without more, a disclosure within the meaning of subparagraph one a).

Any proposal hereafter made to any political subdivision of the state or any public department, agency or official thereof by a corporate offeror for work or services performed or goods sold or to be sold, where competitive bidding is required by statute, rule, regulation, or local law, and where such bid contains the certification referred to in subdivision one of the section, shall be deemed to have been authorized by the board of directors or the offeror, and such authorization shall be deemed to include the signing and submission of the bid and the inclusion therein of the certification as to non-collusion as the act and deed of the corporation.

Signature



Saverio J. Belfiore, AIA, CSI, Vice President
Title

4/16/19
Date

H2M architects + engineers (H2M) Litigation Report (as of 01/29/2019)

Pending Litigation			
Year	Parties	Description	Status
2017	Boehler v. CARCM LLC, et al. v. H2M et al.	Plaintiff security guard fell down exterior stairwell at car dealership sustaining serious injury. P sued dealership entities. Dealership entities sued construction and electrical contractors alleging faulty construction and sued H2M alleging faulty design. H2M has documentary evidence that stairwell, railings, and lighting were designed to code.	H2M will seek summary judgment at appropriate juncture.
2017	Greater Philadelphia Aquatic Enterprise, Inc. v. H2M, Rahil Construction, et al.	Plaintiff's design-build competitive swimming pool project encountered a variety of delays in completion of construction. P sued entire design-build team, including H2M, and some former H2M employees individually. H2M was design subcontractor to general contractor and had no contract with P. H2M scope of work was limited to design services.	Discovery and depositions ongoing to ascertain roles and actions of the several parties.
2016	Williams v. Town of Hempstead, H2M, et al.	The Town, after multiple notices and a hearing, condemned and razed a decrepit and abandoned home owned by Plaintiff, who was out-of-state for an extended period. Plaintiff claims the process violated his civil rights. H2M is a structural consultant to the Town and not responsible for any due process or executive decisions complained of in suit.	H2M motion for summary judgment is pending.
2014	Bennett v. State Farm, H2M, et al.	Plaintiff's land/residence impacted by broken heating oil line. Dissatisfied with extent of insurance coverage and remediation, sued insurer and all others involved in casualty and remediation. H2M had no role in casualty, and no role in conducting remediation. H2M involvement was limited to remediation observation on behalf of homeowner's insurance company.	Court granted H2M motion to dismiss some causes of action. H2M will seek summary judgment on remainder at appropriate juncture.
2012 2014	Rothberg, Youngman v. Town of Riverhead, Alessio Pipe & Construction, H2M et al.	Two bicyclists claimed slip and fall on completed roadway construction after water main project. Sued all entities involved in project. H2M had no role in construction, and no role in choosing specific sealant being blamed for slip.	Youngman case settled with no finding of fault against H2M. H2M will seek summary judgment in Rothberg case at appropriate juncture.
2008	Zincke v. Pacific Petroleum et al.	Plaintiff's residence impacted by heating oil overfill. Sued oil company, spill remediation contractor, and H2M. H2M had no role in casualty, nor in conducting remediation. Involvement was limited to observation on behalf of homeowner's insurance company.	H2M will seek summary judgment at appropriate juncture.

Dismissed Cases			
Year	Parties	Description	Status
2018	Landmark Plaza Properties Corp. v. H2M and individual employees	Plaintiff landlord and its long-term tenant movie theater were engaged in prolonged litigation on a variety of topics. H2M was selected by those entities as part of their settlement agreement to observe and confirm satisfactory installation of a new roof layer on the theater. Landlord thereafter sued H2M alleging improper observation of the installation. (The landlord also separately sued the Town alleging improper inspection of the installation. The landlord has not filed any suit against the roofing contractor).	Court granted H2M motion to dismiss Plaintiff's claims.

H2M architects + engineers (H2M) Litigation Report (as of 01/29/2019)

2017	Fillmore Gardens Cooperative, Inc. v. H2M	Plaintiff apartment complex, through its property manager, hired H2M to test for asbestos in 180 basements and crawlspaces throughout the complex. When plaintiff's asbestos removal contractor, also hired through its property manager, sought a significant change order, plaintiff sued H2M alleging mis-quantification of the amount of asbestos to be removed. H2M provided documentation demonstrating that it was hired only for testing and not for any quantification, and that the property manager had taken bids and awarded the removal work several weeks prior to engaging H2M, thus proving contractor's alleged reliance on H2M's testing report to be an impossibility.	In response to H2M motion to dismiss, Plaintiff stipulated to discontinue action with prejudice.
2017	Lang v. Village of Greenport, H2M, et al.	Plaintiff tripped on/off a ramp in a public marina, and sued all entities involved in 17-year project that converted pollution site into a park. H2M provided documentation that it performed environmental, civil, and mechanical/electrical/plumbing on project, but that it did not design nor construct the ramp.	All parties stipulated to discontinue action against H2M.
2015	Krobath v. Town of Hempstead, H2M, et al.	The Town, with Plaintiff present, razed Plaintiff's mid-block, zero lot line, commercial garage within hours after it was gutted by fire. P sued Town and demolition contractor, and sued H2M as Town's consultant, claiming remains need not have been razed.	Court granted H2M motion to dismiss Plaintiff's claims.
2013	Forest v. RD Management	Worker injured on construction site. Sued all involved in project.	H2M dismissed from case.
2013	Berkhard v. Berman, Cove Remodeling, H2M et al.	Worker tripped over debris at job site. Sued all involved in project. H2M involvement limited to design services.	H2M dismissed from case.
2012	One Point Street v. Black Acre et al.	Plaintiff joined in complex litigation related to the acquisition and environmental remediation of property.	H2M dismissed from case.
2010	Howard, Smith v. 530 Park Ave et al.	H2M joined in litigation pertaining to matters that took place before it was involved in this developer dispute.	H2M dismissed from case.
2007	Harshorne v. Suffolk County, Town of Huntington, H2M, et al.	Worker struck by hose that became entangled in a vehicle while working on a Town sewer project. Sued all involved in the project.	H2M dismissed from case.
2007	KND v. Suffolk County DPW	H2M joined in suit between County and electrical contractor.	H2M dismissed from case.

Settled Cases			
2017	Circulo de la Hispanidad, Inc. v. H2M, Just Perfect Home Improvement, Inc., et al.	Residential developer alleged contractor absconded with funds intended for materials not procured and labor not performed. P sued contractor, and sued H2M alleging negligence in administering construction documents.	Case settled with no finding of fault against H2M.
2015	Laurie & Gary Trezza v. Hasa Construction, H2M, et al.	Plaintiff tripped at night on a sidewalk under construction. Sued all entities involved in project. H2M involvement was limited to construction observation for NYS DOT.	Case settled with no finding of fault against H2M.
2015	Millenium Limited Contracting v. J.Anthony Enterprises et al. v. Bethpage Water District, H2M, et al.	Plaintiff subcontractor suing contractor for non-payment; contractor in turn suing client and architect (H2M) despite architect having approved, and client having paid contractor for all of subcontractor's work.	Case settled with no finding of fault against H2M.
2012	Village of Old Westbury v. H2M	H2M designed elevated tank for Village site. Construction was halted when site was found to be in an area that was not to be disturbed.	Case settled with no finding of fault against H2M.

H2M architects + engineers (H2M) Litigation Report (as of 01/29/2019)

2011	Leinwand v. Astoria Realty, East Coast Drilling, H2M, et al.	Plaintiff allegedly tripped on a sidewalk adjacent to an H2M project.	Case settled with no finding of fault against H2M.
2009	Parabit Realty v. Town of Hempstead, B&A Demolition, H2M, et al.	Commercial building owner alleges damages as a result of foundation work on neighboring property. Sued all entities involved. H2M involvement in project was limited to design work only.	Case settled with no finding of fault against H2M.
2008	LI Power Authority v. Eastern Environmental and H2M	Eastern, a subcontractor of H2M, ruptured an underground power transmission cable while drilling a well for groundwater monitoring near a landfill.	Case settled with no finding of fault against H2M.
2007	Kramer v. Oil Services et al.	Plaintiff's land/residence impacted by heating oil spill. Suit included all involved in casualty and remediation. H2M involvement was limited to remediation observation for insurance company only.	Case settled with no finding of fault against H2M.
2006	Atlantic Beach Fire District v. Losardo, H2M, et al.	District sued several entities after discovering missing flashing and related water damage at new fire house designed by H2M. A single contractor admitted nearly sole liability.	Case settled with no finding of fault against H2M.

