



**DOVER SCHOOL
DISTRICT**

JOINT BUILDING COMMITTEE – DOVER HIGH SCHOOL AND REGIONAL CTC MEETING NOTICE

Meeting Type:	Regular Meeting
Meeting Location:	Superintendent's Conference Room, McConnell Center
Meeting Date:	Tuesday, June 28, 2016
Meeting Time:	4:30 P.M.

1. Call to order and roll call
2. Citizens' Forum
3. Approval of Meeting Minutes from June 23, 2016
4. Review and Approve Soil Testing RFP
5. Review fee from the geotechnical engineer for the soils testing under the building
6. Updates:
 - a. Storage
 - b. Fundraising
7. Discuss date for "ground breaking"
8. Review future meeting schedule
9. Matters of Interest
10. Build next agenda and review action items
11. Adjournment



**DOVER SCHOOL
DISTRICT**

JOINT BUILDING COMMITTEE DOVER HIGH SCHOOL AND REGIONAL CTC MINUTES

Meeting Type:	Regular Meeting
Meeting Location:	Superintendent's Conference Room, McConnell Ctr.
Meeting Date:	Thursday, June 23, 2016
Meeting Time:	4:15 p.m.

- I. CALL TO ORDER AND ROLL CALL:** A meeting of the Dover High School and Regional Career Technical Center Joint Building Committee was called to order on Thursday, June 23, 2016 at 4:25 p.m. in the Superintendent's Conference Room in the McConnell Center. Present were Bob Carrier, Mark Geuther, Amanda Russell and Jason Gagnon. Sarah Greenshields was excused. Matt Severson arrived at 4:29 p.m. and Amanda Russell was excused at 4:29 p.m. Also present were Superintendent Elaine Arbour, Business Administrator Libby Simmons, Dover High School Principal Peter Driscoll, CTC Director Louise Paradis, Facilities Director Jeffrey White, HMFH representative Tina Stanislaski, PC Construction Senior Project Manager Garrett Bertolini and PC Construction Project Manager Scott Blair. Chris Parker arrived at 4:35 p.m.
- II. CITIZENS' FORUM:** No one addressed the committee.
- III. APPROVE MEETING MINUTES FROM JUNE 7, 2016:** Jason Gagnon moved, Mark Geuther seconded to approve the minutes of the meeting listed. An oral **VOTE PASSED 4/0**.
- IV. FINANCIAL REPORT:** Ms. Simmons shared a non-voting report reflective through June 23, 2016. She indicated that the budget availability is \$79,500,166.75. This includes last paid expenses on June 2, 2016 to HEA for services rendered through April 2 and April 29 and to HMFH for services rendered through April 30 in the amount of \$348,035.76. She added that the State asked her to delay sending a financial report until there was a final number for the CTC.
- a. APPROVE MANIFESTS:** Amanda Russell moved / Jason Gagnon seconded to approve manifest CIPM#DHSCTC026 in the amount of \$2,450.00 payable to HEA. A roll call **VOTE PASSED 4/0**.
- V. DISCUSS IRRIGATION PROPOSAL:** Ms. Stanislaski discussed the irrigation proposal and stated that it was not included originally in the scope of work but recommended that it be added now so there won't be change orders later in the process. She recommended that the design for irrigation be done now so that it can be bid with the rest of the work. Design and construction coordination would be included in the bid. Court yard and softball and practice fields would be included. If they wait until the end of the project, additional work will be needed to coordinate it with other systems. This was the only proposal received and the cost is \$9,350.00.
- Jason Gagnon moved / Matt Severson seconded to approve the proposal for irrigation system design as presented by HMFH not to exceed \$9,350.00 with the understanding that an exclusion exists in the current fee. A roll call **VOTE PASSED 4/0**.
- VI. REVIEW FEE FROM THE GEOTECHNICAL ENGINEER FOR THE SOILS TESTING UNDER THE BUILDING:** Ms. Stanislaski presented information from McPhail Associates for services for testing soil under the building. The cost is \$126,500. and \$150,000 is



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budgeted for the scope of work. The cost would be reduced if it is completed early and increased if the project takes longer. Dr. Arbour recommended adding “not to exceed” in the motion and changing language referencing Massachusetts to New Hampshire.

Ms. Stanislaski will obtain clarification on travel expenses and ask that the contract be revised to include, “not to exceed” language and deletion of Massachusetts references. This item will be added to the next agenda for approval.

Mr. Severson noted that McPhail did prior foundation testing and therefore would be best for this part of the project, to which Ms. Stanislaski agreed.

VII. REVIEW AND APPROVED GMP AMENDMENT FOR EARLY WORK PACKAGES:

Mr. Bertolini presented the document which starts this week through October 7, 2016 and will be incorporated into the final document.

Mark Geuther moved / Matt Severson seconded to approve the early work GMP per letter dated June 20, 2016. A roll call **VOTE PASSED 4/0.**

VIII. REVIEW AND POSSIBLY APPROVE RAM AGGREGATE PACKAGE:

Mr. Blair reviewed the document with the 3 bidders and stated his recommendation for Subsurface Constructors. He questioned them about the bid which was substantially lower than others. They are trying to obtain more work in New England and provided an aggressive bid. They have been in business for over 100 years and have qualifications and everything needed to complete the project. The Design Development Estimate value for Rammed Aggregate Piers is \$720,270.

Matt Severson moved / Jason Gagnon seconded to accept PC Construction's recommendation to approve Subsurface Constructors from Westford, Massachusetts for \$285,917. A roll call **VOTE PASSED 4/0.**

IX. UPDATES:

- a. Security Meeting:** Ms. Stanislaski updated the committee on the recent security meeting. She stated that there were representatives from all areas to discuss how security functions would work in the building. There will be a larger conversation on camera usage in the school in the near future. There will be an additional meeting with the building inspector since he was unable to attend.
- b. CTC/DHS Space Ratio:** Dr. Arbour summarized the meeting to determine what counts toward the CTC portion of the building. A portion of the hallway in front of CTC classrooms is able to be counted in the calculation. The area will need to relate to CTC and can include promotional materials, displaying of awards, displaying student work, etc. This will be an expectation of the space. Fencing will be added to animal science,



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building construction and electrical work yard and auto collision. This will be an extension of the lab space and can be counted toward the physical space of the classrooms. If not fenced, counts as a parking lot and therefore not countable toward CTC percentage. The CTC space percentage ended up at 22.8% and provides some flexibility.

- c. Storage:** Ms. Simmons did some price checks on storage units for athletic equipment and found 2 gray used units for \$5,000. These units are 8 x 20. Mr. Gagnon asked that the odor of the unit be checked before agreeing on these units. Mr. White will check out the units. Ms. Simmons added that they are also going to try to negotiate a purchase price for a currently rented unit. Mr. Gagnon asked about the possibility of building a unit for the district. Mr. White stated that 5,000 square feet is needed for equipment included nets, hurdles, goal posts, etc. Mr. Driscoll commented that smaller storage units help since fields are spread out but he understands Mr. White's desire to have something larger and in a more central location to store larger equipment. Mr. White will remove items from the large shed that is being removed in a few days and move to a new location.

- d. Fundraising:** moved to the next agenda.

- X. DISCUSS DATE FOR GROUNDBREAKING:** One person responded and proposed June 30. The committee will discuss at the next meeting.
- XI. REVIEW FUTURE MEETING SCHEDULE:** Next meeting will be June 28, 2016.
- XII. MATTERS OF INTEREST:**
- XIII. BUILD NEXT AGENDA AND REVIEW ACTION ITEMS:**
Approve minutes, review and approve soil testing RFP, Fundraising, groundbreaking update, Review geotechnical proposal
- XIV. ADJOURNMENT:** Jason Gagnon moved / Matt Severson seconded to adjourn the JBC meeting at 5:30 p.m. An oral **VOTE PASSED 4/0.**

Respectfully submitted,

Robin LaFleur

Robin LaFleur, Recording Secretary

Soils & Eartwork
Soil Compaction & Moisture Content Testing
Electronic Nuclear Moisture-Density Gauge
Modified Proctor
Washed Sieve Analysis
Topsoil Analysis (mechanical and chemical)
Cast In-Place Concrete
Certified Concrete Batch Plant Inspector
ACI Certified Concrete Field Technician (ACI-CFTT)
Concrete Test Cylinders 4" x 8"
Mix Design Review
Vapor Emission & pH Testing of Concrete Floors
Using Anhydrous Calcium Chloride Kit
Determination of Relative Humidity in Concrete Floors
Using in-situ probes (ASTM F 2170-11)
Floor Flatness/Levelness Testing (FF & FL Testing)
Structural & Reinforcing Steel, Joists, deck, studs, ligh gauge metal framing, misc metal and non-destructive examination
Formwork & Reinforcing Steel Inspection
Visual Steel Erection Inspection
AWS Certified Welding Inspector
Non-Destructive Examination
Spray Fireproofing
ICC Certified Fireproofing Inspector
To perform an evaluation of the Sprayed-On Fireproofing for proper coverage, thickness & density (ASTM E-605) and adhesion (ASTM E-736)
Adhesion Test
Density Test
Masonry
Field Masonry Inspector
IBC Certified Structural Masonry Special Inspector
Test Concrete Masonry Unit (ASTM C-140)

Preconstruction Determination of Mortar Properties
Grout Prisms or Cylinders (ASTM C-1019)
Strength Test CMU Prisms (ASTM C-1314)
Mortar or Non-Shrink Grout Cubes (ASTM C-109)
Bituminous Asphalt
NETTCP Certified Bituminous Field Technician
Coring Technician & Equipment
Bit Wear (6 inch diameter specimens)
Preparation of Marshall Specimens
Bulk Specific Gravity of Mixtures
Theoretical Maximum Specific Gravity
Extraction of Bitumen from Mix & Gradation
Miscellaneous
QA/QC Consultant Services or Research, if needed
Registered Professional Engineer, if needed
Cross Trained QA/QC Inspector (full-time)
Mileage Expense to/from site per trip
Round Trip Travel time per site visit
Transportation of samples from the site to laboratory
Normal turnaround time for laboratory results is (____) working days from date received
Requested "Rush" Laboratory Results will be charged at:
24 hour turnaround time (or less) - Regular rate x
24 to 48 hour turnaround time - Regular rate x
Overtime Rate (over 8 hours on site)
2nd shift rates - Base rate x
3rd shift rates - Base rate x
Saturday rate - Base rate x
Sunday/Holiday rate - Base rate x

Terracon			S.W.Cole			R.W. Gillespie			John Turner Consulting		
\$ 48	hr		\$ 50	hr		\$ 43	hr		\$ 39	hr	
n/c	day		\$ 35	day		\$ 20	day		\$ 15	day	
\$ 125	each		\$ 120	each		\$ 100	each		\$ 75	each	
\$ 85	each		\$ 85	each		\$ 65	each		\$ 70	each	
\$ 50	each		\$ 125	each		\$ 80	each		\$ 100	each	
\$ 55	hr		\$ 58	hr		\$ 55	hr		\$ 39	hr	
\$ 48	hr		\$ 50	hr		\$ 43	hr		\$ 39	hr	
\$ 12	each		\$ 15	each		\$ 15	each		\$ 11	each	
\$ 120	each		\$ 100	each		\$ 100	each		n/c	each	
\$ 48	hr		\$ 58	hr		\$ 45	hr		\$ 40	hr	
\$ 50	test kit		\$ 35	test kit		\$ 25	test kit		\$ 50	test kit	
\$ 48	hr		\$ 58	hr		\$ 45	hr		\$ 40	hr	
\$ 50	probe		\$ 38	probe		\$ 40	probe		\$ 55	probe	
\$ 400	slab		\$ 750	slab		\$ 850	slab		\$ 650	slab	
\$ 48	hr		\$ 50	hr		\$ 45	hr		\$ 45	hr	
\$ 48	hr		\$ 58	hr		\$ 60	hr		\$ 60	hr	
\$ 85	each		\$ 580	day		\$ 240	each		\$ 450	each	
\$ 90	each		\$ 580	day		\$ 240	each		\$ 500	each	
\$ 55	hr		\$ 58	hr		\$ 50	hr		\$ 45	hr	
\$ 30	each		\$ 10	each		\$ 10	each		\$ 20	each	
\$ 30	each		\$ 30	each		\$ 10	each		\$ 35	each	
\$ 48	hr		\$ 50	hr		\$ 55	hr		\$ 40	hr	
\$ 55	hr		\$ 58	hr		\$ 55	hr		\$ 75	hr	
\$ 75	block		\$ 250	set		\$ 100	set		\$ 40	set	

\$ 20	each		\$ 250	each		\$ 200	each		\$ 100	each	
\$ 20	each		\$ 30	each		\$ 15	each		\$ 12	each	
\$ 150	each		\$ 110	each		\$ 350	each		\$ 70	each	
\$ 20	each		\$ 25	each		\$ 12	each		\$ 10	each	
\$ 48	hr		\$ 60	hr		\$ 155	hr		\$ 55	hr	
\$ 120	hr		\$ 70	hr		\$ 47	hr		\$ 85	hr	
n/c	each		\$ 20	each		\$ 15	each		n/c	each	
\$ 110	each set		\$ 300	each set		\$ 55	each set		\$ 75	each set	
\$ 100	each		\$ 30	each		\$ 45	each		\$ 75	each	
\$ 100	each		\$ 110	each		\$ 70	each		\$ 75	each	
\$ 250	each		\$ 175	each		\$ 140	each		\$ 250	each	
\$ 55	hr		\$ 105	hr		\$ 100	hr		\$ 75	hr	
\$ 120	hr		\$ 125	hr		\$ 100	hr		\$ 90	hr	
\$ 55	hr		\$ 60	hr		\$ 55	hr		\$ 45	hr	
\$ 60	trip		n/c	trip		\$ 15	trip		n/c	trip	
2 hrs/trip			n/c	hrs/trip (.5 hr/trip)		1 hrs/trip			10 mins	hrs/trip	
\$ 50	trip		\$ 35	trip		\$ 65	trip		\$ 25	trip	
blank			2 days			blank			\$ 48		
1.3			1.25			2			1.5		
1.3			1			1			1		
1.3			1			1			1.2		
1.3			1.25			1.5			1.2		
1.3			1			1.5			1.5		
1.3			1.25			1.5			1.5		



**Dover School District - SAU#11
Soils-Materials Testing**



**Presented to:
Dover School District - SAU#11**

June 22, 2016

**19 Dover Street, Dover, NH 03820 | 603-749-1851
www.consultJTC.com**



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1. COVER LETTER



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June 20, 2016

Dover School District – SAU #11
Superintendent's Office
61 Locust Street, Suite 409
Dover, NH 03820

***Request for Proposal
Dover School District – SAU#11
Soils – Materials Testing
JTC Proposal #: 16-312***

Dear Sir/Madam:

John Turner Consulting, Inc. (JTC) is pleased to submit the attached Qualifications and Fee Proposal in response to your Request for Proposal dated June 3, 2016. JTC has been following this project for quite some time. We look forward to providing the design and construction team with a high level of service this project warrants. JTC is highly qualified for this project for many reasons and JTC possesses the following unique qualifications benefitting the project:

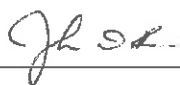
- **Owner Involvement** - John Turner has more than 25 years of experience overseeing similar scale projects. He maintains active participation in the overall management of our large projects, key clients, and is available at all times via direct cell number, email and project meetings. His involvement has proven to be a tremendous asset to similar projects over the years. The City of Dover has been a valued client since our early days having established our firm in Dover, NH in 1997 working out of my garage on Cailey Anna Lane. We now operate out of a 9500 square foot facility on Dover Street.
- **Relevant Project Experience** - JTC has completed more than one hundred (100) K-12 and higher education projects throughout New England over the past 19 years. A small sampling of these projects includes the Wells High School, Salem, NH High School, Kingswood School Performing Arts, Keene Middle School, Easthampton High School, Lynnfield High School, Putnam Regional Technical High School, Mascoma School, Alton School, Middleton School, Rochester Elementary, and many others.
- **Dedicated/Local Staff** - JTC has more than 80 highly skilled staff employed throughout our 5 office locations in VT, CT, MA, NH, and ME. Our multiple office locations strategically spread throughout New England allow us the ability to provide cost effective coverage at concrete plants and steel fabrication plants throughout New England, New York and Canada. However, our home base is Dover, NH. It's where we started and where we maintain our largest most experienced staff. ***Since we are literally minutes down the street from this project, we have waived all daily travel time and mileage charges.***

- **Accreditation** - John Turner Consulting is proud to be nationally accredited through the AASHTO Material Reference Laboratory and the Cement Concrete Reference Laboratory for the following: ASTM C1077 Concrete and Aggregates, ASTM D3740 Soils, ASTM D3666 Hot Mix Asphalt and Aggregates, AASHTO R18. Furthermore, our in-house laboratory is additionally accredited through NETTCP and validated by the Army Corp of Engineers. This insures that your samples will be obtained and tested by a firm meeting the highest Laboratory standards in the industry.
- **Special Inspections Experience** - JTC has been providing Special Inspections for many years on thousands of projects. JTC is familiar with how a Special Inspections programs should be implemented. Our Special Inspections Group is overseen by Judson Zachar, a New Hampshire Licensed Professional Engineer with 20+ years of experience. Judson is supported by Michael Vantran, who has more than 25 years of special inspections experience. Mr. Vantran's experience dates back to his time in San Diego when he was working on large scale/high-rise projects. Our special inspectors are certified through the ICC and have a strong understanding of the ICC Code which makes them a tremendous asset to any project. These inspectors have vast experience with Masonry, Building Envelope, Infrared Imaging, Wood Framing, Structural Steel, Seismic, Fireproofing, Firestopping and Insulation Systems. JTC has successfully provided these services on more than 5000 projects to date, and look forward to adding this exciting project to our resume.
- **Excellent Communication Skills** - JTC has developed excellent communications and reporting protocols. JTC works as a collaborative team member actively involved in preconstruction trade meetings such as soils, concrete, steel, masonry, roofing and building envelope. We stay well informed through the entire process to anticipate issues and help prevent or resolve them quickly. JTC feels strongly that our repeated success over the years is due in large part to our qualified staff and excellent communication skills. We pride ourselves on listening to our total clients' needs and project requirements, while adapting our reporting procedures and delivering a high quality product.

The following information within this submission properly addresses the evaluation criteria set forth in the RFP document. We look forward to the opportunity of working with you on this important project. Thank you for this opportunity.

Respectfully,


John D. Turner, President
Direct: 603-234-0850
johnnt@consultjtc.com

Official Entity Name:	John Turner Consulting, Inc.	FOB Information:	Dover, New Hampshire
Address:	19 Dover Street		
City, State, Zip:	Dover, NH 03820	Availability:	Immediately
Email address:	johnnt@consultjtc.com	State of Incorporation:	New Hampshire
Warranty/Guarantee:	N/A	Price holds for:	365 days
Date:	June 20, 2016	SSN or EIN:	02-0495605
Telephone:	603-234-0850	Fax #	603-516-6851
Signature:		Title:	President



2. COMPANY QUALIFICATIONS AND EXPERIENCE



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COMPANY QUALIFICATIONS AND EXPERIENCE

Range and Depth of Experience

John Turner Consulting has been providing geotechnical engineering, construction materials testing and inspection services to the K-12 and Higher Education market since the company began in 1997. We have supported hundreds of school districts throughout New England. Our clients have ranged from architects/engineers and contractors to local towns, government agencies and municipalities for all of these school projects. JTC's largest and most complex projects have been in the Education Market Sector. JTC has worked on many recent high school projects, which include:

- Wells High School
- Putnam Regional Technical High School
- Easthampton High School
- Lynnfield High School
- Salem High School
- Longmeadow High School
- Keene Middle School
- Kingswood School Performing Arts Center
- Uxbridge High School
- Taconic High School
- Mascoma High School
- Winnacunnet High School
- Middleton, NH Middle School School

Core Services

JTC was founded on providing resident inspection and testing services. Our range of services has expanded over the years and specifically includes the following testing and inspection services, which is in addition to our Geotechnical Engineering and Environmental Services.

Construction Inspection & Testing

JTC provides construction testing in the Field, JTC Laboratory, and Plant

- **Field** - Each member of JTC's field and laboratory staff has qualified for one or more programs, including
 - NETTCP – Soils, Concrete, and/or Asphalt (for field, lab, and plant)
 - ACI (American Concrete Institute) – Concrete Field Technician
 - ACI – Concrete Lab Technician, ACI Strength Testing Technician, ACI Aggregate Testing Technician
 - MCIB (Massachusetts Construction Industry Board) – Concrete Field Technician
 - NICET Level I and II Concrete and Soils
 - Troxler Nuclear Density Gauge
 - HAZWOPER (40-hour) Safety Training
 - Structural Steel: ultrasonic, mag particle, dye-penetrant and certified welding inspections
 - PCI (Pre-cast/Prestressed Concrete Institute) – Levels I and II Inspectors
 - ICC (International Code Council) – Concrete Reinforcing Steel and Masonry Inspectors
 - Spray Applied Fireproofing
 - Post Tensioning Inspectors
 - NFPA Certified Firestopping Inspectors (Pro Board Certified)
 - Building Envelope



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- Seismic Restraints
- Floor Flatness, moisture and rh testing

JTC Laboratory - JTC has complete laboratory facilities for the testing and evaluation of concrete, asphalt, masonry, soils, fireproofing and steel, as well as miscellaneous materials such as wood. JTC's laboratory meets the requirements of ASTM C1077 and E329 and has been:

- Successfully inspected by the Cement and Concrete Reference Laboratory (CCRL) – a division of the US Commerce Department
- Successfully inspected by New England Transportation Technician Certification Program (NETTCP) for Soils and Bituminous Concrete
- Accredited by the American Association of State and Highway Transportation Officials (AASHTO) for Concrete and Concrete Aggregate
- Accredited by the Army Corps of Engineers

Lab Services Include:

- Soil classification
- Atterberg Limits Determination
- Relative density (unit weight)
- Moisture content (-200 wash)
- Compression testing and absorption of concrete, masonry, brick, rock cores, etc.
- Specific gravities, Absorptions for coarse and fine aggregate
- Concrete mix design verification
- Flexural Strength of beams
- Air Void analysis
- Hydrometer analysis
- Sieve analysis (gradations)
- Moisture-Density relationship
- HMA Extraction/Gradation
- Organic Content analysis
- Los Angeles Abrasion
- Sulfate Soundness Analysis
- Bulk Specific Gravity of HMA
- Sand Equivalent Value Analysis
- California Bearing Ratio Analysis
- Sulfate Soundness
- Theoretical Maximum Density of Asphalt evaluation
- Permeability; Flex-wall, Falling Head and Constant
- HMA Marshall Fabrication
- Flow/stability of Asphalt specimen
- Rapid Chloride Permeability
- Rapid Humidity Testing (moisture in slabs)
- Fractured Faces and/or Flat and Elongated Faces
- Split Tensile Testing



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Available Resources

JTC has the available resources and time to commit to the Dover High School project. Our team will be available for the duration of the project which will run from July 2016 through November 2019

Unlike many design firms that offer construction inspection as a sideline, JTC's is primarily an inspection and testing firm. Currently, JTC has a staff of about 80+ professional/technical staff, most with the multiple certifications vital to the proper inspection and testing required. JTC is the only Army Corps of Engineers validated testing laboratory in Northern New England.

In support of our field staff, JTC maintains an in-house laboratory facilities meeting requirements of Army Corps of Engineers, AMRL & CCRL for AASHTO R18, ASTM C1077 Concrete and Aggregates, ASTM D3666 Hot Mix Asphalt, and ASTM D3740 Soils. This insures that samples will be tested by a firm meeting the highest Laboratory standards in the industry. Our Laboratory can test and evaluate concrete, asphalt, masonry, soils, fireproofing and steel, as well as miscellaneous materials such as wood. In addition, our laboratory and field equipment are calibrated against standards registered with the National Institute of Standards and Technology (NIST). We maintain a strict quality control program, and all documentation verifying calibrations and procedures are found in our Quality Control Manual.

JTC will provide all inspection and testing equipment necessary for the completion of our work. JTC will use digital photography equipment to compile a photo digest of the project. Additionally, all of our Resident Engineers are OSHA trained and furnished with all of the required safety equipment (vests, hard hats, work boots, vehicle warning lights, etc.), a cell phone, and lap top computer. As the need arises, JTC will provide our own nuclear density gauge for testing density of soils and asphalt as well as HMA or concrete cylinder testing, and sieve analysis.

One of our true strengths is that we are large enough to have the staff/experience/knowledge/resources to professionally provide our services both effectively and efficiently but small/local philosophy in that each and every client of ours is treated with the professionalism and care they deserve because we truly value these relationships.



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Philosophy

John Turner Consulting, Inc. (JTC) demonstrates dedication year-round. We believe our philosophy and attention to client requirements is what sets us apart from other firms. Our strategy/philosophy is directly linked to our performance and growth through improvements in efficiency, productivity, quality, competitive positioning and market share. "Our main focus is growth, not profitability." We understand with this in mind, that quality of services must be a priority.

A perfect example of JTC's training our employees. use this down time to increase training and providing certifications and gain more approach has garnered

Our business success is directly linked to our client's satisfaction which we continually try to enhance with our performance and through improvements in efficiency, productivity, quality, competitive positioning.



philosophy is our approach to cross- During the slower winter months, we our employee capabilities by cross-professional training to earn knowledge in their discipline. This employee loyalty and high morale and has enabled us to retain our high quality staff. We are proud of this fact. Because of this, we have adequate staff as the construction season begins. Furthermore, we continuously recruit and interview qualified candidates year-round so that we have competent professional options for new assignments even if we reach capacity. By cross-training we can keep inspectors employed in remote areas near local to projects and fabrication plants, thus cutting down on travel costs.

JTC has grown from a 30-person firm to an 80+-person firm over the last 6 years even during the down economy. We have been able to do this by continually recruiting and looking for professionals that mesh well with our company philosophies. We hire many individuals due to their abilities in advance of actually needing them so we have staff when peak demand may arise. *JTC will have adequate staffing to professionally service this project. We plan for it, we make it happen, and we have a proven track record for doing this.*

Additionally, JTC's philosophy is to focus on efficient use of our employees. On many occasions JTC is able to efficiently assign staff to multiple projects when certain jobs do not require a full day on site. For example, if plant only has half day of work we can reroute to another assignment. We have had one inspector cover two projects at same plant to reduce costs, and we have had one inspector travel between plants to save client's money. Another strategy is to use one inspector to cover plant in morning and then to perform field inspections on-site, resulting in a cost savings to our clients.



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Commitment to Quality



JTC absorbs the expense of employing our staff throughout the winter months during the slow season. This is a large financial commitment to our staff, but we feel it is repaid with their dedication and professionalism in representing JTC. Also, inter-personnel communication is encouraged and practiced at JTC so our inspectors can be kept apprised of other operations to stay up to date with the latest



methods and application techniques that work or do not work. We use this down time to increase their capabilities by cross-training and/or send them to professional training to earn certifications and gain more knowledge in their fields. This approach has garnered employee loyalty and high morale and has enabled us to retain our high quality staff.

We have completed more than 5000 projects and have never had a claim against our professional liability insurance. We feel this is due to our well qualified and experienced personnel and our open communication throughout a project.

JTC has provided Quality Assurance Services for our clients and various project types. We have completed more than 5000 projects and have never had a claim against our professional liability insurance. We feel this is due to our well qualified and experienced personnel and our open communication throughout a project.

JTC has large project experience with a local firm mentality. We treat our clients as they should be treated, while meeting their total requirements. Our main goal is to ensure client's projects are built to the quality they deserve while minimizing any added unforeseen costs. We are awarded approximately 85% of our business each year from repeat clients. We feel this is due to the hard work and dedication that JTC demonstrates. We also provide them with consistency by employing the same staff from year to year on their projects. In fact, JTC's first client, Stantec (Dufresne-Henry) remains one of our largest supporters.

Our laboratory is currently the only Army Corps of Engineers validated facility in Northern New England. This is another example of how we strive and invest in ensuring we are at the top of the list when it comes to quality of services in our industry. This certification was instrumental in securing the quality control services for JTC at the border patrol projects located in Canaan and Swanton, VT.



RESIDENT ENGINEERING ▼ GEOTECHNICAL ▼ ENVIRONMENTAL ▼ TESTING

Communications

JTC's communication style is very open, organized and thorough. JTC staff understands the urgency of sharing information in a timely manner. We have a template of forms used for meeting minutes, reports, schedules and budgets. We keep all parties informed in a timely manner, and are able to respond quickly to client requests and needs. We alter reporting formats and protocols at start of projects to meet each client's individual needs.

We know that the accuracy and timeliness of our reporting both orally and written are critical to the success of the Team.

JTC has had thousands of clients over the past 18+ years and have learned that no two clients are alike. We have the ability to adapt to whatever medium is most efficient for the Team, whether that be email, phone, site meetings, reporting formats and protocols, etc. JTC feels strongly that projects are successful when all work together as a Team. Furthermore, JTC feels strongly in the Partnering approach to these projects -we feel that we are part of the Construction Team. We know that the accuracy and timeliness of our reporting both orally and written are critical to the success of the Team. JTC reports all results in the field during our site visits and strives to get all discrepancies resolved while onsite. We follow up with written reporting, and any issues that aren't resolved immediately get added to our Project Punch-list. We keep communication channels open with site personnel so that we can re-inspect these items as soon as they are resolved. We do this to ensure not only that the quality is being achieved but the project is able to keep moving forward so that it can be finished on time and within budgets to the best of our ability. This requires teamwork from all members of the Team.

JTC understands that effective communication is the vehicle that makes or breaks the success of each and every project. Our growth has been due in large part to our understanding of this and our efforts in streamlining an atmosphere for partnering opportunities.

Mission Statement

OUR MISSION IS TO PROVIDE OUTSTANDING SERVICES, TO CONTRIBUTE TO OUR CLIENTS' SUCCESS, AND TO EXCEED EXPECTATIONS



EAST HAMPTON HIGH SCHOOL

East Hampton, Massachusetts

Owner's Project Manager:
Strategic Building Solutions
67 Hunt Street, Suite 119
Agawam, MA 01001

Architect:
Caolo & Bienick Associates, Inc.
Ken Jodrie, Project Architect

Duration of Project:
Spring 2011 - January 2013

JTC provided Special Inspections including soils, concrete and steel reinforcing, masonry, structural steel, air and vapor barrier, floor flatness, spray foam insulation, firestop, seismic, roofing, plumbing and HVAC.

The \$43.6 million 3-story project will provide an extra 110,000 square feet of space. Spaces within the school include:

- Office and Administration
- Academic Wings
- Cafeteria
- Community Space
- Library/Media Center
- Auditorium
- Gymnasium
- Fitness Rooms





KEENE MIDDLE SCHOOL Keene, New Hampshire

Client:
SAU #29

**Mr. William Sudsbury, Owner's
Representative**
(603) 397-7168
bsudsbury@sau.org

Architect:
Marinace Architects
Frank Marinace (603) 744-5144
fmarinace@marinacearchitects.com

Date of Completion:
August 2011

JTC completed special inspections and materials testing services as well as clerk of the works responsibilities for this \$38 million project.

The testing included:

- Soils
- Concrete
- Masonry
- Steel
- Asphalt Pavement
- Fireproofing

The overall project is a 138,000 s.f. middle school which incorporates a wide range of green and high performance features. These features include a wood chip heating plant, low-flow plumbing fixtures, a high level of thermal insulation, a reflective roof surface, extensive daylighting, high-efficiency heat recovery mechanical units, energy efficient indirect lighting, and an energy management system.

The site includes 300 new parking spaces, a track, two soccer fields, and a softball field.





KINGSWOOD SCHOOL PERFORMING ARTS CENTER EXPANSION Wolfeboro, New Hampshire

Client:

Ms. Mary Patry, Business Administrator –
Kingswood Regional H.S. (603) 569-1658

Thomas Boudette, Clerk of the Works
(603) 344-9968
tboudette@govwentworth.k12.nh.us

Architect:

Yeaton Associates
66 Jackson Street
Littleton, NH 03561
603-444-6578

Date of Completion:

Summer 2012

The new \$70 million, 51,000 s.f. multi-purpose building includes a 900-seat auditorium, classrooms and locker rooms. JTC provided special inspections, electrical, plumbing and mechanical inspections and materials testing services. JTC also provided infrared camera evaluation for determining presence of grout in masonry cells. One of the primary criteria for this project was to eliminate the use of fossil fuels on campus. The building was designed and constructed to meet the energy efficiency and environmental standards of the Northeast Collaborative for High Performance Schools (CHPS).

The sustainable design concepts specifically incorporated into the Performing Arts Center include a water-to-water ground source heat pump plant, rainwater harvesting to address 100% of toilet water usage, demand control ventilation that adjusts based on occupancy per room and an energy recovery ventilation system. The project also includes new synthetic and natural turf athletic fields as well as a Geothermal Ground Heat Exchanger (GHE) piping system to serve the entire campus. The Performing Arts Center was completed in December 2010 and is in the process of becoming NECHPS (Northeast Collaborative for High Performance Schools) certified. The project also consisted of an addition for new classrooms, complete renovation of the existing high school and all new ball fields. This project was completed in summer of 2012.





LYNNFIELD HIGH SCHOOL EXPANSION

Lynnfield, Massachusetts

Client:

Town of Lynnfield, Massachusetts

Owner's Representative:

Heery International

Architect:

Ai3 Architects

Date of Completion:

May 2012 – January 2013

JTC was contracted by the Town of Lynnfield, Massachusetts to provide Quality Assurance and Quality Control Engineering Services for a \$3M expansion to the Lynnfield High School.

The expansion project included the redesign and expansion of the main entry lobby, expansion of the science labs and supporting facilities, and the addition of a technology rich environment into classroom and other academic areas.

The project included a phased/occupied renovation to all existing building systems and components.

JTC Scope of Services Included: Reinforcing Steel, Concrete, Soils and Earthwork, Windsor Probe, Coring, Special Inspections, PreCast Concrete Plant, Structural Steel Fabrication Shop, Structural Steel, Masonry, Floor Flatness, and Fireproofing.





PUTNAM VOCATIONAL TECHNICAL SCHOOL

Springfield, Massachusetts

Client:

City of Springfield, Massachusetts

Owner's Project Manager:

Rich Sitnik, Associate VP

ARCADIS US, Inc.

Rich.Sitnik@Arcadis-us.com

413-306-3834

Architect:

Drummey Rosane Anderson, Inc.

235 Bear Hill Road, Fourth Floor

Waltham, MA 02451

617.964.1700

Contractor:

Consigli Construction

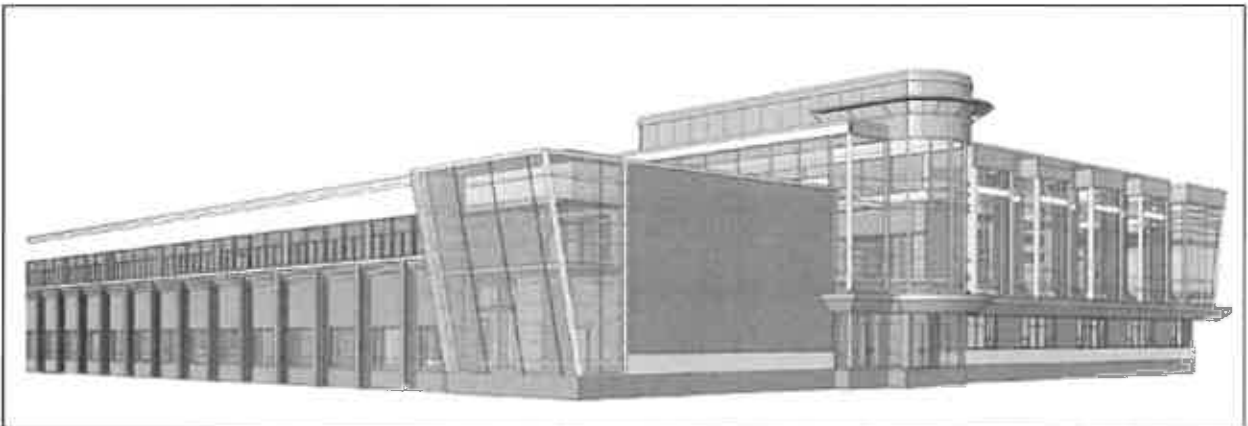
Date of Completion:

June 2010-2012

JTC was hired for Special Inspections and Materials Testing for this \$150 million replacement of Putnam Vocational Technical School.

The school is a 315,000 s.f., 2-story replacement of an historic high school with high tech features to accommodate skills for the future. The site is adjacent to the existing building where future athletic fields and facilities will be located. The project consists of concrete frost walls, structural steel frame, precast concrete panels, and glass and aluminum curtain wall.

The Special Inspections/Materials Testing included Masonry, Precast Concrete and Fabrication Plant Inspections for Steel and Precast, Structural Steel, Curtain Wall, Air/Moisture Barrier, Roofing, Fireproofing / Fire Stopping and Bituminous Pavement.





SALEM HIGH SCHOOL CAREER AND TECHNICAL EDUCATION CENTER Salem, New Hampshire

Client:

Marc Lehoullier, LEED AP, OPM
Trident Project Advisors and
Development Group
155 N Broadway
Salem, NH 03079
(603)340-6635
marc.lehoullier@tridentgrp.com

Construction Manager:

Harvey Construction

Architect:

Lavallee Brensinger Architects

Duration of Project:

2013- 2017

JTC was selected by Trident Project Management Group for numerous projects over the last few years. Several of these have been schools including this project for the Salem School District. JTC was selected to provide a geotechnical investigation and engineering services for this high school expansion and improvement project. This project includes several additions to the existing building and will require retaining walls and significant cuts. The scope of work included field drilling/test pits, testing and sampling of subsurface soils, laboratory testing soil samples, and reporting the results of all testing in writing. JTC initially provided preliminary borings and recommendations in 2013 during the feasibility phase. In 2014, JTC was once again selected to provide a detailed evaluation reviewing all current plans and specifications. JTC also provided an evaluation for the new maintenance building in 2014. In 2015, JTC was again selected to provide special inspections and materials testing services for the construction phase of this \$75M expansion.

JTC worked with the design team to provide all necessary designs and clarifications on a timely basis for the design team to prepare the preconstruction and construction documents.





UXBRIDGE HIGH SCHOOL

Uxbridge, Massachusetts

Client:

Joslin, Lesser & Associates, Inc.
Mr. Bill McNally
Owner's Project Manager
44 Pleasant Street
Watertown, MA 02472
BMcNally@joslinlesser.com

Architect:

Raymond Design Associates

Duration of Project:

Spring 2011- August 2012

JTC completed special inspections and materials testing services for this 123,000 gsf, \$42 million project. The building includes an auditorium, cafeteria, gymnasium, media center, science labs and classrooms.

The inspections and testing scope included:

- Soils
- Concrete
- Masonry
- Structural Steel
- Seismic Resistance





LONGMEADOW HIGH SCHOOL Longmeadow, Massachusetts

Client:

Town of Longmeadow, Massachusetts

Owner's Project Representative:
Thomas Murphy, Senior Project
Manager

Joslin Lesser + Associates, Inc.
(617)744-3110

tmurphy@joslinlesser.com

Construction Manager:
Gilbane Construction**Architect:**

OMR Architects
141 Herrick Road
Newton Centre, MA 02459-2218
617-964-1700

Duration of Project:

April 2011 – January 2013

JTC was hired to provide special inspections and materials testing services for this new \$72 Million, 185,000 sf addition and renovation to the existing high school. The project scope includes demolition of the existing high school along with associated parking, athletic fields and site work. The new construction includes an auditorium, cafeteria, gymnasium, media center, music rooms, science lab and classrooms.

The special inspections and testing included:

- Masonry
- Precast Concrete
- Soils
- Fabrication Plant Inspections for Steel and Structural Steel
- Fireproofing and Fire Stopping
- Concrete and reinforcing inspection
- Floor-flatness testing





PORTSMOUTH MIDDLE SCHOOL ADDITION/RENOVATION Portsmouth, New Hampshire

Client:
City of Portsmouth

Architect:
JCJ Architecture
Doug Roberts, droberts@jcj.com

Construction Manager:
Gilbane Construction
2 Executive Park Drive
Bedford, NH 03110
603-669-0076

Date of Completion:
Fall 2013

JTC provided Testing and Special Inspections services for this \$37.5 million project to renovate the middle school and expand it by approximately 30,000 square feet. The school serves about 650 students.

The design called for preservation of the original 1930 building and the 1937/1963 additions while demolishing the 1935 gymnasium and the 1976 classroom wing addition. A new three-story addition was constructed to provide a 21st century solution while reinforcing the horizontal lines of the existing facility. The project maintains the existing foundations, structural frame, exterior and interior load-bearing walls and roof framing, including the iconic gold-dome cupola located over the center gable that defines the main entrance to the middle school.

The new wing will was built on Alumni Field, requiring the construction of a new softball field on Granite Street.





3. RESUMES



John Turner is the President of John Turner Consulting. He serves as Principal-in-Charge of most projects. He will be your point of contact for all contractual issues as well as the Quality Control Manager. Mr. Turner is responsible for all operations and quality of services for JTC with more than 50 personnel in 4 states

CERTIFICATIONS

- North East Transportation Training & Certification QA Technologist
- North East Transportation Training & Certification HMA Field Inspector
- Geotechnical Engineering Seminar
- Geosynthetics Seminar
- Drilling Managers/Techniques Seminar
- PSI Geotechnical Engineer Seminar – Shallow Foundation
- PSI Geotechnical Engineer Seminar – Deep Foundation
- Nuclear Moisture-Density Gauge Operator
- MaineDOT LPA Certification

EDUCATION

Bachelor of Science in Civil Engineering,
May 1991, Rensselaer Polytechnic
Institute, Troy, New York, Major: Civil
Engineering, concentration in
geotechnical

JOHN D. TURNER

Principal-in-Charge

John provides project management and maintains key business relations and routinely performs geotechnical field inspections and resident inspections for utility and road projects. John has over 23 years of experience in the geotechnical and inspection fields.

Representative Project Experience:

Keene Middle School, Keene, NH - Principal-in-Charge of special inspections and materials testing services as well as clerk of the works responsibilities for this \$38 million project. The testing included Soils, Concrete, Masonry, Steel, Asphalt Pavement, and Fireproofing. The overall project is a 138,000 sf. middle school which incorporates a wide range of green and high performance features.

Winnacunnet High School Gymnasium - Hampton, NH - Principal-in-Charge of the Geotechnical Engineering, Materials Testing and Inspection Services for this new 2- story, 42,500 sf. free-standing gymnasium project. The facility includes a raised indoor track, athletic sport flooring, moveable bleachers, locker rooms and other support spaces.

Portsmouth Middle School, Portsmouth, NH - Principal-in-Charge of Testing and Special Inspections for the renovation and addition to the Portsmouth Middle School. The project also includes work at the Granite Street Softball Field.

Southwick -Tolland-Granville Regional School District – Massachusetts

Construction inspection and materials testing services for the Woodland and Powder Mill Schools and the Southwick Regional School in Southwick, Ma. (June 2013-September 2015).

Longmeadow High School – Longmeadow, MA

Principal-in-Charge for a new 185,000 sq.ft. addition and renovation to the existing high school. The project scope includes demolition of the existing high school along with associated parking, athletic fields and site work. The new construction includes an auditorium, cafeteria, gymnasium, media center, music rooms, science lab and classrooms.

Lynnfield High School Expansion – Lynnfield, Massachusetts

Principal-in-Charge for QA/QC Engineering Services for a \$3M expansion project involving a new entrance, lobby, science lab, supporting facilities, and the addition of a technology rich environment into classroom and other academic areas.



JFK Middle School – Hudson, MA

Principal-in-Charge for a new 119,000 sq.ft. two-story Middle School as well as new parking areas, utilities, and athletic fields. The facility will include various classrooms, science labs, kitchen/cafeteria, Media Center, and a new gymnasium. The sitework will include all new site drainage and underground utilities. A landscaped seating area will be constructed on the north-side of the building along with a new parking area. To the south of the school will be new athletic fields.

Kingswood School Performing Arts Center Expansion -Wolfeboro, New Hampshire

Principal-in-Charge of special inspections, electrical, plumbing and mechanical inspections and materials testing services for this new \$70 million, 51,000 s.f. multi-purpose building which includes a 900-seat auditorium, classrooms and locker rooms. JTC also provided infrared camera evaluation for determining presence of grout in masonry cells.

UMass Amherst, McGuirk Football Training Facility and Press Box-Amherst, MA - Material testing of soil substructure, site, and structure for a new 55,000 SF Football Training Facility, a new 7,300 SF Press Box (to replace the existing Press Box) and various site and landscape improvement of the building.



JUDSON ZACHAR, PE

Senior Geotechnical Engineer

Detail-oriented Project Manager/Senior Geotechnical Engineer with strong educational background in Geotechnical Engineering, supported by field experience and professional work experience in construction.

Judson has 18 years of experience with project management and geotechnical engineering.

CERTIFICATIONS

- Professional Engineer in:
 - MA (#48177)
 - NH (#14570)
 - ME (#13772)
 - CT (#30349)
 - NY (#089605)
 - VT (#018.0110154)

EDUCATION

Bachelor of Science in Civil Engineering,
1997, Union College - Schenectady, NY

AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- National Society of Professional Engineers (NSPE)
- NCEES Member
- Boston Society of Civil Engineers

CERTIFICATIONS

- Nuclear Moisture/Density Meter
Licensed Operator, 2000

Mr. Zachar has widespread experience in various facets of geotechnical engineering, including on-site directing of subsurface drilling explorations, various soil/bedrock sampling and drilling procedures, instrumentation design, installation, monitoring and data reporting, subgrade inspection, settlement analyses and laboratory testing

Additionally, Mr. Zachar has extensive experience associated with the construction portion of projects ranging from building foundation calculations, evaluations, and design to earthwork operations and on-site QA/QC.

Representative Project Experience:

- Salem High School
- Mascoma High School Additions, Canaan, NH
- Middleton Middle School Additions, Middleton, NH
- Salem Maintenance Building
- Dover Honda/Dover Chevrolet
- Tractor Supply Company, Orange, MA
- Barnes Airport, Westfield, MA
- City of Worcester DPW Building
- Carriage House Redevelopment, Amherst, MA
- RSCC Aerospace Expansion, Manchester, NH
- Albany International Expansion, Rochester, NH
- Conway Pines – Phase 2, Conway, NH
- 10 Dollar General Stores, Throughout Maine
- Newport State Airport, Coventry, VT
- Carlisle Fire Department, Carlisle, MA
- Titeflex Expansion, Laconia, NH

Specialized Skill Areas:

- Geotechnical Investigations
- Building Foundation Calculations, Evaluation, & Design
- Settlement Analyses, Pre-Load/Surcharge Programs, Geotechnical Instrumentation and Monitoring
- Slope Stability Analyses
- Landfill/Low-Permeability Cover Systems
- Temporary Excavation Support
- Mechanically Stabilized Earth Walls/Reinforced Soil Slopes
- Geotechnical Laboratory Testing
- Construction Monitoring and Quality Assurance/Quality Control Testing

Project Experience:



- **West Garage at Logan International Airport in Boston, MA - Field Engineer.** Contractor support with the design analyses of the deep foundation proposal. Analysis included wave equation analyses using GRLWEAP, static pile analyses, monitoring pile driving operations using PDA and CAPWAP, and instrumenting static load tests. Performed vibration monitoring and installed wire piezo meters for pore water pressure monitoring.
- **South Harbor Parking Garage, Salem, MA - Project Engineer.** Coordinated and executed a geotechnical exploration program for the proposed parking garage and prepared the geotechnical design recommendations for deep foundation support, grade beams, and concrete slab construction.

Project Manager - Collette Construction, Inc., Lake George, NY, Supervised production efforts to ensure projects were completed to company standards, on time and within budget constraints. Managed a team of carpenters, as well as subcontractors, to efficiently construct custom homes to each client's individual specifications. Utilized AutoCAD in the design, drawing, and navigation of blueprints in the construction of custom homes. Independently consulted as an expert in the construction and engineering aspect of residential houses.

Project Engineer - GZA GeoEnvironmental, Inc., Norwood, MA, Designed and installed instrumentation monitoring systems to measure load, stress, deformation, and elevation on numerous applications i.e. Drilled Caissons, Driven Piles, Support Beams, Bridge Girders, Railroad Tracks, Tunnel Walls, etc., on various projects including the ConnDOT-Metro North Expansion and the Central Artery/Tunnel Project. Performed Crosshole-Sonic Logging (CSL) to determine the integrity of drilled concrete shafts up to 8-feet in diameter and 100-plus feet deep. Operated computer-aided engineering and design software (AutoCAD) to complete Pile Driving Analysis (PDA) on various types of driven piles. Customized automated data acquisition systems to collect and display geotechnical data pertinent to specific projects.



KEN RIES

Special Inspector

Mr. Ries has been with John Turner Consulting since 2005 as a Special Inspector. Mr. Ries is responsible for being the Owner's onsite representative as well as performing Special Inspections for earthwork, concrete, reinforcing steel, masonry, firestopping, plumbing, seismic restraints, fireproofing, air/vapor barrier systems and roofing systems for building construction projects. Mr. Ries has exceptional knowledge of IBC & ICC codes and depending on the size and scope of the job, Mr. Ries provides full time or part time observation throughout the construction process. Mr. Ries is also certified in infrared imaging. Mr. Ries has more than 15 years of experience in the Construction Industry.

EDUCATION

Air Force, Liquid Fuel Maintenance (LFM) School, 1971
Hobart School of Welding Technology, Troy, OH, 1973

AFFILIATIONS

- Member, International Code Council (ICC)
- American Concrete Institute Concrete Field Testing Technician, Grade I
- Troxler Nuclear Density Gauge Certification
- Infra-red Imaging Certification
- ICC Certified Masonry Inspector
- ICC Certified Commercial Plumbing Inspector
- ICC Spray Applied Fireproofing
- STI Fire-stop Level I & II Certified
- OSHA 10-Hour Safety Course
- FACE F-Number Measurement Certification
- PCI Level I
- STI Firestop Level II Train-the-Trainer

Mr. Ries follows the Schedule of Special Inspections prepared, usually by the Structural Engineer of Record, to ensure all inspection items listed are reviewed and meet project specifications. Mr. Ries prepares Interim Special Inspection Reports and submits throughout the project to ensure Project Team is aware of onsite progress/issues

- Lynnfield High School – Lynnfield, MA
- JFK Middle School – Hudson, MA
- Keene Middle School – Keene, NH
- Kingswood Regional High School – Wolfeboro, NH
- Easthampton High School – Easthampton, MA 1.5 Million Great Barrington Fire Station, Great Barrington, MA
- Portsmouth Middle School – Portsmouth, NH
- SNHU Student Center Renovations – Hooksett, NH
- Plymouth State University Ice Arena, Plymouth, NH
- Keene State College Alumni Center, Keene, NH
- University of New Hampshire James Hall, Durham, NH
- University of New Hampshire Philbrook Dining Hall, Durham, NH
- \$23 Million Berkshire Medical Building & Parking Garage Project, Pittsfield, MA
- Woodbury Mills Project – Start-up of the air handling units and the Energy Recovery Units
- \$55 Million Huggins Hospital, Wolfeboro, NH
- \$60 Million Lake Region General Hospital, Laconia, NH
- \$35 Million Frisbie Memorial Hospital Expansion, Rochester, NH
- \$63 Million Portsmouth Regional Hospital Expansion, Portsmouth, NH
- Border Patrol Stations – Highgate, VT and Canaan, VT
- Tractor Supply – Brentwood, NH
- UNH Heat Tunnel – Durham, NH
- Wentworth Douglass Hospital – Firestop – Dover, NH
- Hampton Beach Bath Houses (wood framing) – Hampton, NH
- NE Rehab (Firestop) - Portsmouth, NH
- Bedford Green Apt. Complex – Bedford, NH
- Pease Armed Forces Reserve Center – Portsmouth, NH
- \$250 Million Baystate Medical Center – Hospital of the Future, Springfield



MICHAEL GADBOIS

Senior Technician

Michael Gadbois is a Senior Technician at John Turner Consulting with 12 years of experience. Michael's duties and responsibilities include performing field and plant inspection of concrete as well as field evaluation of soils and aggregates, testing moisture and density. Michael is also responsible for asphalt field testing and inspections, performing rebar inspections and field observations and inspection.

CERTIFICATIONS

- NETTCP Concrete Technician
- NETTCP Soils & Aggregate Field Inspector
- NETTCP HMA Plant Inspector
- NETTCP Paving Inspector
- OSHA 10- hour

Representative Project Experience:

Project Experience:

- Kingswood Regional High School – Wolfeboro, NH
- Keene State College – Keene, NH
- Plymouth State College – Ice Rink – Plymouth, NH
- Dartmouth College – Hanover, NH
- York High School – York, ME
- Dover Wastewater Treatment Plant
- Sanford Wastewater Treatment Plant
- Westborough Wastewater Treatment Plant
- NH DOT Turnpike Maintenance Facility
- McNiff Company LLC - Anchorworks-Subdivision
- G & R Construction - Heritage Baptist Church
- Scudder Development - Wallace Farms
- SNHS - Seabrook Outreach Center
- MaineDOT (Various Locations)
- NHDOT (Various Locations) – HMA Plant Inspections
- NHDOT (Various Locations) – Materials Inspections
- Mass. Highway – Route 3 Widening
- Winterberry Way – Road Reconstruction
- Lowes – Retail Development Sanford, ME
- Hannaford – Retail Development – Bedford, NH
- Hannaford – Retail Development – Dover, NH
- Concord Hospital – Hospital Expansion – Concord, NH

2015 – QC HMA Paving Inspections for numerous MassDot projects.



DAVID A. COWALLIS, JR.

Senior Inspector

David brings 25 years of experience to JTC in the Construction and Engineering industry. David's skills Construction Inspection and Support, thorough knowledge of materials testing procedures, and Quality Control and Quality Assurance for Commercial and Industrial Projects throughout New England. David represents JTC professionally and has strong communication and documentation skills.

EDUCATION

- B.S. Environmental Engineering
Roger Williams College-1999

CERTIFICATIONS

- ACI Concrete Technician Licenses:
Field Testing Technician-Grade 1
- ACI Plant Certified
- ICC Reinforced Concrete Special Inspector
- ICC Spray-Applied Fireproofing Special Inspector
- ICC Structural Masonry Special Inspector
- ICC Soils Special Inspector
- NETTCP Concrete Technician
- NETTCP HMA Paving Inspector
- Rank of Eagle Scout from the Boy Scouts of America

Summary of Expertise:

Construction Inspection and Support responsibilities include plant inspector for cast-in-place concrete in Vermont; inspection of civil and structural aspects for construction projects in Maine, New Hampshire, and Massachusetts; representative of a construction material supplier; hands-on building of residential and commercial buildings.

Experience working on a variety of civil engineering projects including: NH-Federal Correctional Institution- mass cut and fill site with complex underground utility system, Wal-Mart stores in Maine, Massachusetts, and Rhode Island with varying civil design; various state and non-state serviced bridges and sections of roadway in Maine; commercial, industrial and residential projects in Maine

Representative Project Experience:

While with a previous firm, David worked on the following educational projects. His role and responsibilities included special inspections per IBC, construction materials field testing and observations. These school projects included:

- Ocean Avenue Elementary- Portland, ME
- Brunswick Elementary -Brunswick, ME
- Falmouth Elementary - Falmouth, ME
- Windham Middle School -Windham, ME
- Gorham Middle School - Gorham, ME
- Durham Elementary - Durham, ME
- Freeport Middle School - Freeport, ME

Other Projects include:

- Logan Airport;
- Fresh Pond WTF Cambridge, MA
- Multiple Wal-Mart projects;
- Maine Yankee Power plant;
- Various schools and office buildings;
- Berlin, NH Federal Corrections Institute Facility;
- State highways and various road projects.

HMA Paving Inspector

- Route 136 – Durham, Maine
- Commercial parking lot and access roads.
- Asphalt coring – Scarborough Gallery Blvd.
- Berlin, NH Federal Correction Facility



Matt has eighteen (18) years of relevant construction inspection and civil engineering experience. Matt is a flexible and organized professional with a focus on maximizing project success during all construction phases. Matt is talented in employing problem solving skills in the field while sustaining a responsible approach to creating documents, organizing the project, collecting technical data, estimating costs and time, developing as-built construction documents, and adherence to project specific contract documents and specifications.

EDUCATION

University of Southern Maine - Present
MS - Leadership Studies

University of Southern Maine
Bachelor of Arts, Communications

Northeastern University
College of Civil Engineering

Hudson Valley Community College
AAS – Construction/ Civil Technology

CERTIFICATIONS AND AFFILIATIONS

- American Society of Civil Engineers
- Maine Better Transportation Authority MBTA
- Maine DOT LPA Certification
- NH DOT LPA Certification
- NETTCP HMA Field Inspector
- OSHA – 10 Hour Construction
- HAZMAT Certification
- Hazardous Safety Certification
- Confined Space Entry Certification
- Nuclear Gauge Safety Certification
- Maine State Housing Energy Auditor-Licensed
- Weatherization Technician Cert.
- Educational Technician, Maine and New Hampshire

C. MATTHEW TAYLOR

Project Manager

Mr. Taylor is responsible for overall operations, growth, development, and sustainability of the Northern New England Division of John Turner Consulting and is committed to ensuring that our clients' requirements are met and expectations are exceeded.

Mr. Taylor takes pride in performing high quality project management, construction oversight for State and Local Municipal projects, private sector work, earthwork operations, subgrade inspections, and geotechnical design compliance.

Specialized Skill Area

- Construction Monitoring and Quality Assurance
- Scheduling, Planning, and Control
- Stormwater Management
- Environmental Permitting
- Site Planning
- Sewer Infrastructure Design
- Drainage Studies and Design
- Subgrade Evaluations
- Energy Efficiency-Thermal Envelop Analysis

Relevant Course Work

- Soils in Construction
- Construction Materials
- Construction Planning and Control
- Statics and Strengths of Materials
- Steel and Concrete Design
- Building Service Systems
- Engineering Economics

Representative Project Experience

Program/Project Manager

- Dollar General, GBT Realty (15 Stores) – ME, NH, and MA
- Cumberland Farms (12 Stores) – NY, MA, RI, NH, and VT

Project Engineer, Field Engineer, and Assistant Project Manager

- Rabbit Road Sewer and Water Upgrades - Salisbury, MA (CIV)
- WWTF Upgrades – Falmouth, MA (ENV)
- Little River Watershed Study – York, ME (ENV)
- Hopkinton Fire Station – Contoocook, NH (GEO)
- Rose Ranch PUD – Glenwood Springs, CO (CIV)
- Great Bat Community College – Portsmouth, NH (GEO)



MICHAEL VANTRAN

Special Inspector

Michael is responsible for performing special inspections for concrete, reinforcing steel, post tension concrete, pile monitoring, wood Framing / truss inspections, masonry, Firestop Inspections and Spray Applied Fireproofing for building and bridge construction, as well as, building envelope inspections. Michael has more than 27 years of experience with QA/QC and special inspections and project management of large construction projects.

EDUCATION

Carpenters Local 547 Apprenticeship 4-year Program - San Diego, CA 1990-1994

CERTIFICATIONS

- OSHA 10 Hour Safety Course
- International Code Council: Reinforced Concrete Special Inspector
- International Code Council: Pre-stress Concrete Special Inspector
- International Code Council: Structural Masonry Special Inspector
- International Code Council: Spray Applied Fireproofing Special Inspector
- STI Level 1 & 2 Firestop Inspector
- American Concrete Institute Concrete Field Testing Technician Grade I
- Hilti Continued Education Seminar & 31 Training Seminar

Representative Project Experience:

Wells High School – Wells, Maine

Construction materials testing and inspection services during the construction of this 120,000 SF high school project. The project includes 80,000 SF of new construction and 40,000 SF of renovated/existing space. Design combines the construction of a new academic wing and renovations to the existing gymnasium, cafeteria and auditorium.

\$37M Easthampton High School projects – Easthampton, MA 2011

Special Inspector, exterior building envelope, brick veneer, and barriers, fireproofing, intumescent paint and firestop.

Keene Middle School 2010 Keene, NH - \$53 Million Project

Full time Special Inspector, Oversees all construction, exterior building envelope, brick veneer, firestop, air barriers and Part Time Clerk of the Works

JFK Middle School – Hudson, MA 2012

Project manager, Structural Masonry, Fireproofing and lead Special Inspector, exterior building envelope, brick veneer, and air barriers.

Portsmouth Middle School – Portsmouth, NH 2011- Present

Part time Special Inspector, Masonry, intumescent paint and Fire proofing, exterior building envelope, brick veneer, and air barriers, wood framing and truss inspections

Putnam Vocational Technical School 2010 – Springfield, MA \$114 Million Project

Williams College 2012 Williamstown, MA

Project Manager responsible for inspection oversight. Post tension decks inspection.

Franklin Regional Transit Center 2009 – Greenfield, Massachusetts

Project Manager/Special Inspector, Masonry

Easthampton Savings Bank 2012 – Easthampton, Massachusetts

Special Inspector for a two-story structural steel and masonry building comprising 28,000 s.f. Testing and inspection services included Soils, Concrete, Structural steel, including reinforcing steel, metal decking and joist, Bituminous concrete, Masonry and Grout.

Lincoln High School, San Diego, CA - \$50 Million Project 2008

Masonry, Concrete & Post Tension Special Inspector



NEAL J. WHITE, P.E.

Structural Steel Inspector

Neal White has 35 years of experience and is an industry recognized expert in welding procedures and structural inspection. Neal has authored articles on inspection and quality control. In conjunction with the Connecticut Department of Transportation, Neal developed a program to provide quality control for bridge and highway construction contractors. At the time, this highly profitable venture encompassed over half of all bridge construction in the State of Connecticut.

EDUCATION

- University of Connecticut, Storrs, CT – Graduate studies in Environmental Geology
- University of Hartford, Hartford, CT – B.S. Civil Engineering Cum Laude, Kappa Mu
- Honor Society
- Porter School of Design, Rocky Hill, CT – Certificate of Architectural Design, Honor
- Hartford State Technical College, Hartford, CT – A.S. Structural Engineering
 - Ultrasonic Testing – Hartford State Technical College
 - Welding – A.I. Prince Technical School
 - Nondestructive Training (ASNT TCIA) – Testwell Craig Laboratories
- Nondestructive Testing, Inspection, and Engineering Seminars and Courses offered by AWS, AISC and other organizations

CERTIFICATIONS

- Licensed Professional Civil Engineer License #09336
- AWS-QCI Certified Welding Inspector
- ASNT Level II UT, MT, PT
- City of Portland, OR Welding Inspector (A3)
- ICC Structural Steel Special Inspector S1
- OSHA 10 hour certification

Representative Project Experience:

Putnam Vocational Technical School – Springfield, MA

\$110 million, 315,000 s.f., 2-story replacement of an historic high school with high tech features to accommodate skills for the future.

JFK Middle School – Hudson, MA

New 119,000 sq.ft. two-story Middle School as well as new parking areas, utilities, and athletic fields. The facility will include various classrooms, science labs, kitchen/cafeteria, media center, and a new gymnasium.

Winnacunnet High School Gymnasium - Hampton, NH

Steel inspection and testing services for this new 2-story, 42,500 s.f. free-standing gymnasium project. The facility includes a raised indoor track, athletic sport flooring, moveable bleachers, locker rooms and other support spaces.

Portsmouth Middle School - Portsmouth, NH

Steel inspections and testing for the renovation and addition to the Portsmouth Middle School. The project also includes work at the Granite Street Softball Field.

University System of New Hampshire – (Keene, Plymouth, Durham)

Steel inspections and testing for more than 15 projects for the University System at the Keene, Plymouth and Durham campuses.

Kingswood School Performing Arts Center Expansion -Wolfeboro, NH

Steel inspections and testing for this new \$70 million, 51,000 s.f. multi-purpose building which includes a 900-seat auditorium, classrooms and locker rooms.

Keene Middle School – Keene, NH

Steel inspections for this \$38 million project. The testing included Soils, Concrete, Masonry, Steel, Asphalt Pavement, and Fireproofing. The overall project is a 138,000 s.f. middle school which incorporates a wide range of green and high performance features.



TRAVIS C. CARPENTER, PE

Director of Engineering Services

Mr. Carpenter is our Director of Geotechnical Engineer Services and is experienced in engineering design, site investigation, construction monitoring, and quality assurance/quality control testing. He develops scopes, schedules, and budgets for subsurface investigations, surcharge programs, and geotechnical laboratory testing; directs and trains geotechnical field personnel; reviews and compiles field and laboratory data; performs geotechnical engineering analyses for foundations, pavements, embankments, retaining walls, mechanically stabilized earth walls, reinforced soil slopes, and landfill/low-permeability cover systems; and prepares proposals, reports, design drawings, technical specifications, and bid documents.

EDUCATION

Bachelor of Science, Civil Engineering,
Massachusetts Institute of Technology,
Cambridge, MA, 1995

CERTIFICATIONS

- HAZWOPER 40 Hour
- HAZWOPER 8 Hour Refresher
- NCMA Segmental Retaining Wall Design Seminar, 2001
- AutoCAD Release 14, Southern Maine Technical College, 1998
- Nuclear Moisture/Density Meter Licensed Operator, 1997
- ACI/Maine Certified Concrete Technician, 1997

Mr. Carpenter has extensive on-site geotechnical field experience, including traditional drilling and sampling, CPTu explorations, rotasonic drilling, and vibrocore sampling; vane shear testing, Shelby tube sampling, and bedrock coring; piezometer and well installations; and in-situ permeability testing.

Mr. Carpenter also has extensive on-site construction monitoring experience, including earthwork (cut/fill) operations, subgrade inspections, moisture/density testing, rigid and flexible pavement testing and condition rating, rebar inspection, concrete testing, and installation of geosynthetics and hard armor systems.

Specialized Skill Areas:

- Geotechnical Investigations
- Building Foundation Calculations, Evaluation, & Design
- Settlement Analyses, Pre-Load/Surcharge Programs, Geotechnical Instrumentation and Monitoring
- Slope Stability Analyses
- Landfill/Low-Permeability Cover Systems
- Temporary Excavation Support
- Mechanically Stabilized Earth Walls/Reinforced Soil Slopes
- Geotechnical Laboratory Testing
- Construction Monitoring and Quality Assurance/Quality Control Testing

Representative Project Experience:

Wells High School – Wells, ME

Geotechnical support/review during construction, including evaluation of deep foundation alternatives for one section of building due to changed conditions identified during construction.

Salem High School – Salem, NH

Geotechnical support/review during construction.

Smith College – Northampton, MA

Geotechnical investigation/evaluation to support design and replacement/reconstruction of existing roadway.

Timberlane Regional School District - Multiple School Projects, Southern NH. Mr. Carpenter coordinated geotechnical field investigations, laboratory testing, and reporting activities for 6 southern NH schools. A geotechnical engineering report including soil and groundwater conditions, foundation design criteria,



settlement analyses, interaction with existing foundations, drainage and backfill requirements, construction considerations, and boring logs was prepared for each site. JWC was retained to perform subgrade inspections, compaction testing, and construction oversight during initial site work activities.

East Kingston Elementary School - East Kingston, NH. Mr. Carpenter completed a limited geotechnical investigation to evaluate shallow soil and groundwater conditions adjacent to the existing school building and in the vicinity of a new addition and new pavement. The purpose of the investigation was to remedy existing moisture problems on the floor slab of the school and to evaluate the effectiveness of the proposed drainage (prepared by others) for the new addition and pavements. JWC detailed recommendations for a foundation and roof drainage system that would minimize the accumulation of surface and subsurface water adjacent to the foundations. Site preparation procedures, drainage and backfill requirements, and pavement design recommendations were also provided for expanding the parking lot into an existing detention pond.

Geotechnical Engineer: Confidential Client, Blueball Avenue, Remedial Design, Boothwyn, Pennsylvania. Responsible for the development/completion of design drawings and technical specifications governing the removal/remediation of pesticide-contaminated soils in accordance with State of PA Act 2 Cleanup Plan. The cleanup of the 50-acre site is intended to allow redevelopment as the site of Chichester School District Site educational facility. Tasks included excavation plan/sequence, soil cover details, earthwork and geosynthetic materials specifications, and construction cost estimate. Prepared complete bid/construction package, including contractual requirements; and definition of Contractor's scope of work, bid items, and measurement and payment. During construction, reviewed Contractor submittals for conformance with project specifications.

Geotechnical Engineer: Lowe's Companies, Inc., Regional Distribution Center, Geotechnical Investigation/Evaluation and Site Development Services, Plainfield, Connecticut. Responsible for the development and implementation of geotechnical field and laboratory testing programs to support geotechnical engineering recommendations for foundation design, earthworks, pavement design, and stormwater/drainage for a 33-acre Regional Distribution Center building footprint in Plainfield, CT.



EDUCATION

University of Maine Orono, ME
Bachelor of Science Environmental
Management and Policy May 2001
Department of Resource Economics and
Policy

LICENSES AND CERTIFICATIONS

- ACI Concrete Field Testing Technician
Grade I
- NETTCP HMA Paving Inspector
- NETTCP Driven Pile Inspector
- ICC Soils Special Inspector
- ICC Spray Applied Fireproofing Special
Inspector
- ICC Reinforced Concrete Special Inspector

VAN L. TERRELL, JR.

Senior Inspector

Experience:

Paving Inspector for MDOT (Sampling, Inspection, Reporting).
Conducted quality survey inspections for ISO 14001 certification at
Irving Woodlands

Performed Special Inspections for Quality Assurance on construction
projects at current employer.

Conducted research at U Maine on the topics of land use planning,
forestry, and natural resource economics

While employed with other companies, Van worked on the
following relevant projects:

- Fryeburg Academy, Sheridan Const. 2006. Concrete.
- Westbrook Middle School, Harvey Construction, 2007
. Concrete, Soil, Masonry.
- Buxton Middle School. 2009. Concrete, Rebar, Soil, Asphalt.
- Falmouth Elementary, Harvey Construction, 2008. Concrete,
Rebar, Soil, Masonry.
- Ocean Avenue. Elementary, 2009. Concrete, Rebar, Soils,
Asphalt.
- Durham Elementary, Art Dudley Construction, 2009-
2010 Concrete, Rebar, Soil, Masonry, Asphalt.
- Wentworth Elementary (Scarborough), Art Dudley
Construction, 2010-2011. Concrete, Rebar, Soils, Asphalt.
- South Portland High School, PC Construction, 2011-2012.
Concrete, Rebar, Soils, Asphalt.
- Freeport High School, Sheridan Construction, 2016. Concrete,
Soils.



4. REFERENCES



GEOTECHNICAL ▼ ENVIRONMENTAL ▼ RESIDENT ENGINEERING ▼ TESTING

REFERENCES

Paul Marinace
Marinace Architects

PO Box 429
79 Main St.
New Hampton, NH 03256
(603)744-5144
pmarinace@marinacearchitects.com

Tom Boudette

P.O. Box 910
Alton, NH 03809
603-344-9968
tboudette@alton.k12.nh.us

Thomas Murphy, Senior Project Manager

Joslin Lesser + Associates, Inc.
(617)744-3110
tmurphy@joslinlesser.com

Mr. Todd Merchant
University of Vermont

Department of Facilities Design and Construction
Marsh Hall, Suite 10
31 Spear Street
Burlington, VT 05405
Phone:
todd.merchant@uvm.edu



34 West Street
Keene, NH 03431-3329
603.357.9002
www.SAU29.org

William B. Gurney
Co-Superintendent, SAU 29
603.357.9004
wgurney@sau29.org

Wayne E. Woolridge
Co-Superintendent, SAU 29
603.357.9005
wwoolridge@sau29.org

January 21, 2011

RE: John Turner Consultants

To Whom It May Concern:

I am pleased to offer this recommendation for John Turner Consultants. The Keene School District has contracted with JTC to provide inspection services during the construction of a middle school, wood chip heating plant and central office building. This is the largest construction project in the Keene area in many years as the middle school will be 160,000 square feet and the new central office is 7,500 square feet all housed on a 26 acre site.

Representing JTC on our site has been Michael Vantran. Mike is certified as a Special Inspector in four construction categories through the International Code Council and American Concrete Institute. Throughout the project, all reports for material testings and special inspections were on time and well prepared.

Recently, we faced a crisis when our Clerk of the Works was injured on the job site. We faced the prospect of six weeks without the owners' representative monitoring activity at the site. Our Clerk has been responsible for representing the school district with the general contractor and the city inspectors.

We asked for help from JTC and were not disappointed. JTC was amenable to lending additional support and Mr. Vantran has ably handled the Clerk's responsibilities.

In short, we feel fortunate to have JTC working with us and appreciate their willingness to offer additional assistance at a critical point in our project.

Sincerely,

William B. Gurney

March 4, 2012

LETTER OF RECOMMENDATION FOR JOHN TURNER CONSULTING, INC.

I am very pleased to offer this letter of recommendation for John Turner Consulting, Inc. (JTC) for its involvement in our \$62 million Expansion and Renovation project for the Governor Wentworth Regional School District in Wolfeboro, NH. This two phase project included the construction of a new free standing 900 seat performing arts center, plus additions and renovations to the existing school campus with a combined total of 350,000 square feet. Additionally, this CHPS project (Collaborative for High Performance Schools) incorporated many innovative design features that required extensive third party testing review.

Representing JTC on our site has been Ken Reis, special inspector. Mr. Reis has been extremely thorough in his inspections and thus a tremendous asset to the Project Team. Mr. Reis has provided special inspections of masonry, reinforcing steel, fire-stop, fireproofing, plumbing, mechanical and seismic restraints.

Furthermore, JTC provided Rod Boudreau as well as others for materials testing and inspections. JTC field technicians have been extremely knowledgeable and have provided results accurately, and in a very timely manner.

Additionally, I have found the office support of JTC to be very professional and responsive. Mr. John Turner has been personally available to oversee and assist with all issues and technical questions in a timely and professional manner. As you can imagine, with a project of this size, this has been a tremendous asset.

I have no hesitation in recommending John Turner and his staff; and feel fortunate that we had them on our Team for this project.

If you wish to discuss this recommendation further, please feel free to contact me.



Thomas A. Boudette
Construction Clerk

Email: taboudette@gmail.com

JOSLIN, LESSER + ASSOCIATES, INC.

411 Pleasant Street
Watertown, MA 02471
Tel: 617.744.2110
Fax: 617.924.2600
www.joslinlesser.com

April 3, 2013

John Turner Consulting, Inc.
19 Dover Street
Dover NH 03820
Cell: 603.475.5376 | Office: 603.749.1841

RE: Performance on the Longmeadow High School Project

To Whom it May Concern:

It has been my pleasure to date to work with JTC and their field technicians on the Longmeadow High School project. This \$78 million dollar project consisted of a new building and the renovation of a portion of the existing building. This project required the services of an independent testing agency that could provide sufficient manpower and technical skills along with timely and accurate testing procedures that are crucial to the proper monitoring of the contractors' installations. JTC has performed very well with all the steel, concrete reinforcement, concrete placement and soil compaction testing that has been completed and reported on the project to date. Their timely response to testing requests and the great communication capabilities received from their field staff assisted greatly in the monitoring efforts required on the project. I would recommend JTC for future projects.

Sincerely,
Robert Alger, Clerk



Joslin Lesser Associates, Inc.
Longmeadow High School Project, Longmeadow MA.
Email: ralger@joslinlesser.com
Phone: 1-508-414-9850

March 7, 2013

**John Turner Consulting
19 Dover Street
Dover, NH 03820**

Re: New Uxbridge Massachusetts High School

To Whom It May Concern:

This letter is being sent on behalf of John Turner Consulting who performed geotechnical testing and inspections on the New Uxbridge High School. Throughout their time on the project John Turner Consulting has proven to have a level of quality, flexibility and professionalism to complete any project.

John Turner Consulting has performed well on our project, and will be an asset to future projects.

Thank you,

**William Mc Nally
Owner Representative for Construction
Uxbridge High School
Uxbridge, MA 01569**



5. INSURANCE



JOHNTUR-02

JHOGAN

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/16/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Roblin Insurance Agency 144 Gould Street Suite 100 Needham, MA 02494	CONTACT NAME:		
	PHONE (A/C, No, Ext): (781) 455-0700	FAX (A/C, No): (781) 449-8976	
	E-MAIL ADDRESS: certificates@roblininsurance.com		
INSURED John Turner Consulting Inc 19 Dover St Dover, NH 03820	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Travelers Insurance Co		36161
	INSURER B : Lloyd's of London		
	INSURER C :		
	INSURER D :		
	INSURER E :		
INSURER F :			

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:			6806D269577TCT15	10/20/2015	10/20/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 1,000,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ ALL OWNED AUTOS ☐ HIRED AUTOS ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS			BA-6D270668-15-GRP	10/20/2015	10/20/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED \$ RETENTION \$			CUP-6D273289-15-47	10/20/2015	10/20/2016	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	XJUB4160T30115	10/20/2015	10/20/2016	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Professional Liabili			PGIARK0153204	11/29/2015	10/20/2016	Professional 3,000,000
B	Pollution			PGIARK0153204	11/29/2015	10/20/2016	Pollution 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Issued as evidence of Insurance.

CERTIFICATE HOLDER

CANCELLATION

Issued as Evidence of Insurance

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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6. PRICING: ATTACHMENT A



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**
Date June 3, 2016

ATTACHMENT A: PRICING JOHN TURNER CONSULTING, INC.

- I. **SOILS & EARTHWORK** (soil testing under structural elements within the building footprint will be performed by the design geotechnical engineer)

1	Soil Compaction & Moisture Content Testing	\$ 39.00	/hour
2	Electronic Nuclear Moisture-Density Gauge	\$ 15.00	/day
3	Modified Proctor	\$ 75.00	/each
4	Washed Sieve Analysis	\$ 70.00	/each
5	Topsoil Analysis (mechanical and chemical)	\$ 100.00	/each

II. **CAST IN-PLACE CONCRETE**

1	Certified Concrete Batch Plant Inspector	\$ 39.00	/hour
2	ACI Certified Concrete Field Technician (ACI-CFTT)	\$ 39.00	/hour
3	Concrete Test Cylinders 4" x 8"	\$ 11.00	/each
4	Mix Design Review	\$ no charge	/each
5	Vapor Emission & pH Testing of Concrete Floors Using Anhydrous Calcium Chloride Kit	\$ 40.00 \$ 50.00	/hour /test kit
6	Determination of Relative Humidity in Concrete Floors Using in-situ probes (ASTM F 2170-11)	\$ 40.00 \$ 55.00	/hour /probe
7	Floor Flatness/Levelness Testing (FF & FL Testing)	\$ 650.00	/slab

III. **STRUCTURAL & REINFORCING STEEL, JOISTS, DECK, STUDS, LIGHT GAUGE METAL FRAMING (LGMF),
MISC. METAL, AND NON-DESTRUCTIVE EXAMINATION (NDE)**

1	Formwork & Reinforcing Steel Inspection	\$ 45.00	/hour
2	Visual Steel Erection Inspection	\$ 60.00	/hour
3	AWS Certified Welding Inspector	\$ 450.00	/each
4	Non-Destructive Examination	\$ 500.00	/each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title Soils – Materials Testing

Date June 3, 2016

IV. SPRAY FIREPROOFING JOHN TURNER CONSULTING, INC.

1	<u>ICC Certified Fireproofing Inspector</u> To perform an evaluation of the Sprayed-On Fireproofing for proper coverage, thickness & density (ASTM E-605) and adhesion (ASTM E-736)	\$ 45.00 /hour
1a	Adhesion Test	\$ 20.00 /each
1b	Density Test	\$ 35.00 /each

V. MASONRY

1	Field Masonry Inspector	\$ 40.00 /hour
2	IBC Certified Structural Masonry Special Inspector	\$ 75.00 /hour
3	<u>Laboratory Services</u>	
3a	Test Concrete Masonry Unit (ASTM C-140)	\$ 40.00 /set
3b	Preconstruction Determination of Mortar Properties	\$ 100.00 /each
3c	Grout Prisms or Cylinders (ASTM C-1019)	\$ 12.00 /each
3d	Strength Test CMU Prisms (ASTM C-1314)	\$ 70.00 /each
3e	Mortar or Non-Shrink Grout Cubes (ASTM C-109)	\$ 10.00 /each

VI. BITUMINOUS ASPHALT

1	NETTCP Certified Bituminous Field Technician	\$ 55.00 /hour
2	<u>Thickness Evaluation and/or Coring of Pavement Mixture Field</u>	
2a	Coring Technician & Equipment	\$ 85.00 /hour
2b	Bit Wear (6 inch diameter specimens)	\$ no charge /each
3	<u>Laboratory Tests</u>	
3a	Preparation of Marshall Specimens	\$ 75.00 /each set
3b	Bulk Specific Gravity of Mixtures	\$ 75.00 /each
3c	Theoretical Maximum Specific Gravity	\$ 75.00 /each
3d	Extraction of Bitumen from Mix & Gradation	\$ 250.00 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title Soils – Materials Testing

Date June 3, 2016

VII. MISCELLANEOUS

JOHN TURNER CONSULTING, INC.

1	QA/QC Consultant Services or Research, if needed	\$ 75.00 /hour
2	Registered Professional Engineer, if needed	\$ 90.00 /hour
3	Cross Trained QA/QC Inspector (full-time)	\$ 45.00 /hour
4	Mileage Expense to/from site per trip	\$ no charge /trip
5	Round Trip Travel time per site visit	10 minutes /hours/trip
6	Transportation of samples from the site to laboratory	\$ 25.00 /trip
7	<u>Normal turnaround time for laboratory results is (48) working days from date received</u> Requested "Rush" Laboratory Results will be charged at: 24 hour turnaround time (or less) 24 to 48 hour turnaround time	= regular rate x (1.5) = regular rate x (1.0)
8	<u>Overtime Rate (over 8 hours on site)</u> 2 nd shift rates 3 rd shift rates Saturday rate Sunday/Holiday rate	Base rate x \$ 1.2 Base rate x \$ 1.2 Base rate x \$ 1.5 Base rate x \$ 1.5

ALL consumable materials and tools required for the taking of or testing of material samples shall be included in the unit prices provided.



R.W. Gillespie & Associates, Inc.

Geotechnical Engineering • Environmental Consulting • Materials Testing Services

22 June 2016

Dover School District, SAU #11
Superintendent's Office
61 Locust Street, Suite 409
Dover, NH 03820

Subject: Proposal for Materials Testing Services and Special Inspections
Dover High School and Career Technical Center
Dover, New Hampshire
RWG&A Proposal No. P-9344.MTS

R.W. Gillespie & Associates, Inc. (RWG&A) is pleased to present the following proposal for construction-phase materials testing services and special inspections for the Dover High School and Career Technical Center project in Dover, New Hampshire. Subsequent paragraphs present our understanding of the project, qualifications and experience, approach, staffing, scope of services, and estimated fee.

RWG&A is committed to improving the quality of life in the communities we serve through reliable, sustainable, and resilient facilities. We help clients develop projects of higher quality, better value and less risk through our services in geotechnical engineering, materials testing and inspection, and environmental consulting. Unlike other local testing firms, RWG&A does not have daily minimum charges for personnel and only invoices for actual time on-site and travel. RWG&A's facilities are conveniently located nearby about 10 miles from the site in Newington, New Hampshire branch office.

Project Description

The planned High School and Career Technical Center is located northwest of the existing high school building off of Durham Road in Dover, New Hampshire. The planned building will be approximately 185,000 square feet on three levels.

RWG&A Experience and Company Qualifications

RWG&A has performed similar scopes of services on several municipal and school projects in the last several years, and currently is performing materials testing and special inspection services on three on-going school projects in the Kennebunk, Maine area. In addition, RWG&A has performed geotechnical evaluations and/or materials testing services for the Dover School District at the current high school, middle school, and all local elementary schools. RWG&A's Materials Testing group actively participates in Cement and Concrete Reference Laboratories and AASHTO Materials Laboratory reference sample programs. Our technology staff possesses numerous certifications from organizations including ACI, PCI, NETTCP, and International Code Council. The materials testing laboratory is AASHTO R18 accredited. RWG&A has the staff and experience to perform the required services in a timely and efficient manner.

Project Staffing and Subcontractors

Matthew Grady, P.E., Manager of Materials Testing Services in RWG&A's Saco office would be assigned as RWG&A's project manager. Mr. Grady would be the day-to-day project contact and can be reached by phone at 207-286-8008. RWG&A's staff includes multiple qualified civil engineering technicians who would perform field services for RWG&A. RWG&A intends to subcontract the structural steel and other steel testing services to Neal White with White Engineering, LLC of Berlin, New Hampshire.

References

Project: Addition to Mildred L. Day School, Kennebunk Consolidated School, and Kennebunk High School, Kennebunk Area, Maine

Contact: Bruce Rudolph, Business Administrator, brudolph@rsu21.net, 207-985-1100

Services: Soils, Concrete, Steel, Fireproofing

Project: 667 Congress Street Apartments, Portland, Maine

Contact: Blaine Buck, Cordjia Capital Projects Group, bbuck@cordjiacpg.com, 207-333-2236

Services: Soils, Concrete, Steel, Fireproofing, Masonry

Project: Wells High School Spray-On Fire Resistant Material (SFRM) Testing, Wells Maine

Contact: Brad Goodale, Clerk of the Works, 207-252-1795

Services: Fireproofing

Approach to Project

RWG&A's approach to the project would be to serve the Dover School Department (DSD) as its testing agency and special inspector and to provide services in general accordance with project specifications. It is anticipated that the project would be serviced through intermittent site visits on an as-requested basis. It is understood that DSD's designated representative would be responsible for verifying that requested services meet the project's needs, and for arranging for and coordinating RWG&A's services.

RWG&A and its subcontractors would perform inspections in accordance with the project technical specifications and drawings and in general accordance with applicable ASTM and other standards. Based on review of the RFP, the following services by RWG&A are anticipated:

- Soils and Earthwork
- Cast-in-place Concrete
- Structural Steel
- Masonry
- Sprayed Fire Resistant Materials
- Bituminous Concrete and Concrete Pavement

Scheduling

We request a minimum of two business days advance notice to schedule site visits for testing services and a final confirmation of at least 24 hours. It is understood coordination and scheduling would be made by DSD's representative and that the requested advance notice might

not be practicable. RWG&A's contact person for scheduling is Matthew T. Grady, P.E., Manager of Materials Testing Services.

Cost Basis

RWG&A completed and attached the price list included as Attachment A in the RFP. RWG&A's unit rates will remain in effect for the duration of the project. Any additional work requested during the course of the project would be based on the unit rates contained in Attachment A or otherwise negotiated to our mutual satisfaction. The fee would depend on the construction schedule and amount of testing and inspection services needed to complete the project.

Please note that RWG&A does not have minimum daily charges and invoices only for time, materials, and tests used in the course of the services. Overtime begins after 8 hours per day unless DSD desires to negotiate an alternative arrangement.

There is no charge for mailed or emailed copies provided to the construction manager, concrete supplier, architect, or structural engineer. Administrative and other personnel time is charged for preparation of reports which in RWG&A's opinion may be necessary and/or pertinent to the work.

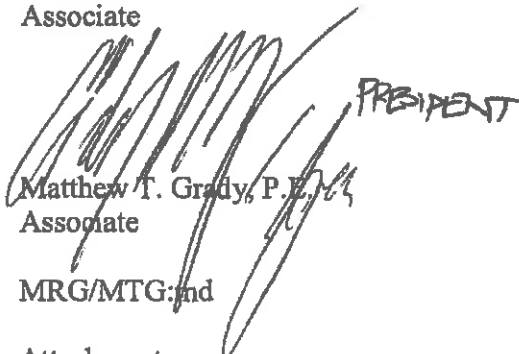
Closure

RWG&A has the staff and experience to serve the project in a timely, professional, and efficient manner. Materials testing and special inspection services will be provided in accordance with the attached Terms and Conditions. If this proposal is acceptable, please sign one copy and return it to RWG&A. Please contact us if you have any questions or if we may be of further service.

Sincerely,
R. W. GILLESPIE & ASSOCIATES, INC.



Marc R. Grenier, P.E.
Associate



PRESIDENT

Matthew T. Grady, P.E.
Associate

MRG/MTG:md

Attachments

Authorization for Materials Testing Services and Special Inspections
Attachment A, Pricing
Terms and Conditions (3 pages)

R.W. Gillespie & Associates, Inc.

Page 4 of 7

**Authorization for Materials Testing Services & Special Inspections
Dover High School and Career Technical Center
Dover, New Hampshire
RWG&A Proposal No. P-9344.MTS
Unit Rates**

The above arrangements are understood and accepted.

Dover School District

Signature: _____

Print: _____

Title: _____

Date: _____

 DOVER SCHOOL DISTRICT	REQUEST FOR BID, PROPOSAL, QUALIFICATION	
	Request type	Proposal
	Title	Soils – Materials Testing
	Date	June 3, 2016

ATTACHMENT A: PRICING

- I. SOILS & EARTHWORK** (soil testing under structural elements within the building footprint will be performed by the design geotechnical engineer)

1	Soil Compaction & Moisture Content Testing	\$ 43 /hour
2	Electronic Nuclear Moisture-Density Gauge	\$ 20 /day
3	Modified Proctor	\$ 100 /each
4	Washed Sieve Analysis	\$ 65 /each
5	Topsoil Analysis (mechanical and chemical)	\$ 80 /each

II. CAST IN-PLACE CONCRETE

1	Certified Concrete Batch Plant Inspector	\$ 55 /hour
2	ACI Certified Concrete Field Technician (ACI-CFTT)	\$ 43 /hour
3	Concrete Test Cylinders 4" x 8"	\$ 15 /each
4	Mix Design Review	\$ 100 /each
5	Vapor Emission & pH Testing of Concrete Floors Using Anhydrous Calcium Chloride Kit	\$ 45 /hour \$ 25 /test kit
6	Determination of Relative Humidity in Concrete Floors Using in-situ probes (ASTM F 2170-11)	\$ 45 /hour \$ 40 /probe
7	Floor Flatness/Levelness Testing (FF & FL Testing)	\$ 850 /slab

III. STRUCTURAL & REINFORCING STEEL, JOISTS, DECK, STUDS, LIGHT GAUGE METAL FRAMING (LGMF), MISC. METAL, AND NON-DESTRUCTIVE EXAMINATION (NDE)

1	Formwork & Reinforcing Steel Inspection	\$ 45 /hour
2	Visual Steel Erection Inspection	\$ 60 /hour
3	AWS Certified Welding Inspector	\$ 240 /each
4	Non-Destructive Examination	\$ 240 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID/PROPOSAL/QUALIFICATION

Request type Proposal
Title Soils – Materials Testing

Date June 3, 2016

IV. SPRAY FIREPROOFING

1	<u>ICC Certified Fireproofing Inspector</u> To perform an evaluation of the Sprayed-On Fireproofing for proper coverage, thickness & density (ASTM E-605) and adhesion (ASTM E-736)	\$ 50 /hour
1a	Adhesion Test	\$ 10 /each
1b	Density Test	\$ 10 /each

V. MASONRY

1	Field Masonry Inspector	\$ 55 /hour
2	IBC Certified Structural Masonry Special Inspector	\$ 55 /hour
3	<u>Laboratory Services</u>	
3a	Test Concrete Masonry Unit (ASTM C-140)	\$ 100 /set
3b	Preconstruction Determination of Mortar Properties	\$ 200 /each
3c	Grout Prisms or Cylinders (ASTM C-1019)	\$ 15 /each
3d	Strength Test CMU Prisms (ASTM C-1314)	\$ 350 /each
3e	Mortar or Non-Shrink Grout Cubes (ASTM C-109)	\$ 12 /each

VI. BITUMINOUS ASPHALT

1	NETTCP Certified Bituminous Field Technician	\$ 155 /hour
2	<u>Thickness Evaluation and/or Coring of Pavement Mixture Field</u>	
2a	Coring Technician & Equipment	\$ 47 /hour
2b	Bit Wear (6 inch diameter specimens)	\$ 15 /each
3	<u>Laboratory Tests</u>	
3a	Preparation of Marshall Specimens	\$ 55 /each set
3b	Bulk Specific Gravity of Mixtures	\$ 45 /each
3c	Theoretical Maximum Specific Gravity	\$ 70 /each
3d	Extraction of Bitumen from Mix & Gradation	\$ 140 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**

Date June 3, 2016

VII. MISCELLANEOUS

1	QA/QC Consultant Services or Research, if needed	\$ 100 /hour
2	Registered Professional Engineer, if needed	\$ 100 /hour
3	Cross Trained QA/QC Inspector (full-time)	\$ 55 /hour
4	Mileage Expense to/from site per trip	\$ 15 /trip
5	Round Trip Travel time per site visit	1 /hours/trip
6	Transportation of samples from the site to laboratory	\$ 65 /trip
7	<u>Normal turnaround time for laboratory results is () working days from date received</u> Requested "Rush" Laboratory Results will be charged at: 24 hour turnaround time (or less) 24 to 48 hour turnaround time	 = regular rate x (2) = regular rate x (1)
8	<u>Overtime Rate (over 8 hours on site)</u> 2 nd shift rates 3 rd shift rates Saturday rate Sunday/Holiday rate	Base rate x \$ 1 Base rate x \$ 1.5 Base rate x \$ 1.5 Base rate x \$ 1.5

ALL consumable materials and tools required for the taking of or testing of material samples shall be included in the unit prices provided.

TERMS AND CONDITIONS MATERIALS TESTING SERVICES

1. CHARGES

Personnel: Charges are computed on an hourly rate schedule listed in the proposal unless otherwise stated in the proposal. Annual increases will not exceed an average of ten (10) percent per classification.

Equipment, Subcontractors, and Supplies: Charges for specialized equipment, mileage, subcontractors, consultants, laboratories, and supplies required to complete the project are itemized in the proposal. A fifteen (15) percent fee is added to all subcontract invoices to cover handling and added costs.

2. INVOICES

Invoices are issued monthly, payable upon receipt. Amounts not paid within thirty (30) days are subject to a service charge of one and one-half (1-1/2) percent per month. Client agrees to pay all fees including attorney fees, court costs, or other expense, incurred for the collection of delinquent accounts. If the Client objects to all or any portion of the invoice or service, Client shall so notify R.W. Gillespie & Associates, Inc. within 14 calendar days of the invoice date, identify any defect and/or cause of the disagreement, and pay when due that portion of the invoice, if any, not in dispute. Payment of invoices is in no case subject to unilateral discounting or set-offs by Client. The Client's right to use R.W. Gillespie & Associates, Inc.'s work product, including its instruments of service, is contingent upon timely and full payment of all fees and costs payable under this agreement.

3. SAMPLES

All samples acquired by us (soil, concrete, rock, etc.) will be discarded thirty (30) day after submission of our final report, unless you advise us otherwise. Upon Client's written request, we will forward the samples at your cost, or will store them for you for an agreed period and storage charge.

4. JOB SITE SAFETY RESPONSIBILITIES

Client acknowledges and agrees that R.W. Gillespie & Associates, Inc. shall have no control over, nor be responsible for the construction means, methods, techniques, sequences or procedures or for any safety precautions and/or programs of the construction contractors. Client agrees that R.W. Gillespie & Associates, Inc. will be responsible only for its own employees and its sole responsibilities which will be limited to those tasks as set forth in the scope of services as described in our proposal.

5. STANDARD OF CARE

R.W. Gillespie & Associates, Inc. is a professional association and represents that our professional services will be performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession practicing under similar conditions. No other representation or warranty, either expressed or implied, is intended.

6. LIMITATION OF LIABILITY

The Client and R.W. Gillespie & Associates, Inc., agree, to the fullest extent permitted by law and order withstanding any other provisions in this agreement, the total liability of R.W. Gillespie & Associates, Inc., and its officers, directors, owners, shareholders, employees, agents, and subconsultants or any of them, the Client and anyone claiming by, through or under the Client, for any and all claims, losses, costs of damages, of any nature whatsoever, arising out of, resulting from, or in any way related to the project or this agreement, from any cause or causes, including but not limited to the negligence, professional error or omissions, strict liability, breach of contract, or other civil liability, shall not exceed the total compensation received by R.W. Gillespie & Associates, Inc., or the total amount of \$50,000.00, whichever is less. If the Client prefers not to limit R.W. Gillespie & Associates, Inc., liability to this sum, we may agree to increase the limit of liability in \$25,000 increments up to \$100,000 provided that the Client agrees to pay an additional consideration of five (5) percent of the incremental increase in the limit for this waiver. The request for this option must be

made by the Client in writing at the time the Client accepts the proposal. The charge is consideration for the greater risk involved in performing work for which the limitation of liability exceeds the total compensation received by R.W. Gillespie & Associates, Inc., or the amount of \$50,000, whichever is less. It should not be construed as a charge for professional liability insurance.

7. **INFORMATION PROVIDED BY OTHERS**

For purposes of economy and expediency, R.W. Gillespie & Associates, Inc. will rely on information provided by Client and indicate to Client information needed to form an opinion. It is understood that it is not practicable to identify all information needed until after services begin. Furthermore, it is understood that Client will provide R.W. Gillespie & Associates, Inc. with as much of such information requested that is available to Client, inform R.W. Gillespie & Associates, Inc. of reports or materials prepared by others that relate to R.W. Gillespie & Associates, Inc.'s portion of the work, and that Client will furnish these to R.W. Gillespie & Associates, Inc. R.W. Gillespie & Associates, Inc. is unable to ensure the sufficiency of such information, either because doing so is impossible, or because of errors or omissions others may have committed when assembling the information. Accordingly, it is understood that Client will, to the fullest extent permitted by law, waive any claim against R.W. Gillespie & Associates, Inc., and indemnify, defend, and hold R.W. Gillespie & Associates, Inc. harmless arising from any claim or liability for injury or loss, arising from alleged error, omissions, or inaccuracies in documents or other expenses incurred by RWG&A in defense of any such claim. Such compensation will be based on R.W. Gillespie & Associates, Inc.'s prevailing fee schedule and expense reimbursement policy.

8. **DEFECTS IN SERVICE**

Client and Client's personnel, contractors, subcontractors, and subconsultants shall promptly report to R.W. Gillespie & Associates, Inc. any known or suspected defect in the project related to any aspect of RWG&A's services, including any errors, omissions or inconsistencies in R.W. Gillespie & Associates, Inc.'s Instruments of Service, in order that R.W. Gillespie & Associates, Inc. may take prompt measures which in R.W. Gillespie & Associates, Inc.'s opinion will minimize the consequences of a defect in service.

9. **EXTENSION OF PROTECTION**

The Client agrees to extend any and all liability limitations and indemnifications provided by the Client to R.W. Gillespie & Associates, Inc. to those individual and entities R.W. Gillespie & Associates, Inc. rents for performance of the services under this agreement including, but not limited to R.W. Gillespie & Associates' offers and employees, their heirs and assigns, as well as R.W. Gillespie & Associates' subconsultants and their officers, employees, heirs, and assigns.

10. **INSURANCE**

R.W. Gillespie & Associates, Inc. maintains worker's compensation insurance and commercial general liability insurance. Certificates for such policies of insurance shall be provided to Client upon request in writing.

11. **CONFIDENTIALITY**

R.W. Gillespie & Associates, Inc., will not intentionally divulge information regarding the proposal, services or report, except to Client or parties designated by Client in writing. If, in our sole opinion, site conditions represent a threat to the public health or an environmental hazard, we will so advise Client in order that Client may diligently notify the appropriate authorities. If Client fails to act in a responsible manner, R.W. Gillespie & Associates, Inc., as a professional association, will notify the appropriate authorities. Client waives any claim against R.W. Gillespie & Associates, Inc., and agrees to defend, indemnify, and save R.W. Gillespie & Associates, Inc., harmless from any claim or liability arising from conditions or notification of conditions at the site. Information which is in the public domain or which is provided to us by third parties is not considered confidential.

12. **ESTIMATED FEE**

Our estimated fee is an opinion of the estimated, probable costs required to perform the scope of services. We must make a number of assumptions as to conditions that will be encountered and other factors over which we have no control. It is agreed many unforeseen factors that could not be fully anticipated or accounted for when the proposal was prepared may influence the final fee associated with RWG&A's services. The estimate is intended as a budgetary guide only to anticipated fees and is not to be construed as a limitation on the fees to be charged pursuant to this agreement.

13. **MEDIATION**

In an effort to resolve any conflicts that arise related to the services provided pursuant to this agreement, the Client and R.W. Gillespie & Associates, Inc. agree that disputes between them arising out of and/or related to this agreement shall be submitted to non-binding mediation, unless the parties mutually agree otherwise.

The Client and R.W. Gillespie & Associates, Inc. further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, subconsultants, suppliers and fabricators to retained, thereby providing for mediation as the prime method for dispute resolution between parties to those agreements.

14. **THIRD-PARTY BENEFICIARIES**

Nothing contained in this agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or the R.W. Gillespie & Associates, Inc. R.W. Gillespie & Associates, Inc.'s services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against the Consultant because of this Agreement or the performance or nonperformance of services hereunder. The Client and R.W. Gillespie & Associates, Inc. agree to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors and other entities involved in this Project to carry out the intent of this provision.

15. **OWNERSHIP OF INSTRUMENTS OF SERVICES**

All reports, plans, specifications, field data and notes, and other documents, including all documents on electronic media, prepared by R.W. Gillespie & Associates, Inc., as instruments of service shall remain the property of R.W. Gillespie & Associates, Inc.

16. **GOVERNING LAW**

The laws of the State of Maine will govern the validity of this agreement, its interpretation, and performance.

17. **ASSIGNMENT**

Neither party to this agreement shall transfer, delegate, or assign any right under or interest in this agreement (including but not limited to moneys that are due or moneys that may be due) without the prior written consent of the other party.

18. **SUSPENSION OF SERVICES**

If the Client fails to make payments when due or otherwise is in breach of this agreement, R.W. Gillespie & Associates, Inc. may suspend performance of services upon five (5) calendar days' notice to the Client. R.W. Gillespie & Associates, Inc. shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension caused by any breach of this agreement by the Client. If the Client fails to make payment to the consultant in accordance with the payment terms herein this shall constitute a material breach of this agreement and shall be cause for termination by R.W. Gillespie & Associates, Inc.

June 22, 2016

16-0675 M

PROPOSAL

Soils – Materials Testing

Dover High School and Career Technical Center
Dover, New Hampshire

SUBMITTED TO:

Dover School District – SAU #11
Soils – Materials Testing
Superintendent's Office
61 Locust Street, Suite 409
Dover, New Hampshire 03820

SUBMITTED BY:

Scott Harmon
Construction Services Manager
S. W. Cole Engineering, Inc.
10 Centre Road
Somersworth, New Hampshire 03290
603.692.0088



- *Geotechnical Engineering*
- *Construction Materials Testing and Special Inspections*
- *GeoEnvironmental Services*
- *Test Boring Explorations*

www.swcole.com



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Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016



INTRODUCTION

1

S. W. Cole Engineering, Inc. (S.W.COLE) was established in 1979 to provide geotechnical engineering, geologic consulting, environmental consulting and construction quality assurance testing services. Today, the S.W.COLE team includes more than 90 engineers, scientists and technicians providing the geotechnical engineering, construction materials testing and special inspections, geoenvironmental services and test boring explorations.

S.W.COLE provides cost effective construction materials testing services to measure the conformance of the materials and construction to project specifications. S.W.COLE provides independent construction materials testing, both in the field and at S.W.COLE's eight regional laboratory facilities. The firm annually performs over 40,000 field and laboratory test procedures, including approximately 3,300 laboratory soil sieve analyses and 1,400 laboratory soil moisture density tests, and cast and test 28,000 concrete compressive strength specimens. Most of the tests are completed in-house, saving time and money for clients. Several S.W.COLE offices offer specialized testing capabilities as well, including asphalt and pavement testing, hydraulic conductivity testing, alkali silica reaction testing, LA wear testing, pull-off adhesion testing and impact-echo testing. S.W.COLE makes every effort to keep projects running smoothly and efficiently with electronic report transmittals and a unique laboratory database management system.

Two of S.W.COLE's laboratories have been accredited by the AASHTO Materials Reference Laboratory (AMRL). The Bangor laboratory has been accredited in Portland cement concrete, aggregates, soil, and quality systems since 2002 and in hot mix asphalt since 2009, and the firm's Somersworth, New Hampshire office has been Portland cement concrete, aggregate and quality systems accredited since 2012.

S.W.COLE technicians have earned certifications from the American Concrete Institute (ACI) and the Northeast Transportation Training and Certification Program (NETTCP). S.W.COLE is also experienced in performing Special Inspections. Required by Chapter 17 of the International Building Code, this important service consists of a series of tests and inspections to determine that a project's approved plans and specifications are being followed and are in compliance with local building codes and ordinances. Inspections of soil and foundation construction, concrete construction, masonry and steel construction are some of the special inspection services that S.W.COLE provides.





CAPABILITIES AND COMMITMENTS

2

I. Qualifications Summary

S.W.COLE employees are problem solvers. As geotechnical engineers, technicians and geologists, our expertise is in solving the inevitable challenges created when man-made structures meet up with the complexities of natural strata and systems.

Because we understand the challenges of constructing year-round in a northern climate, we bring valuable expertise to the job site. Much of the work we do is invisible in the finished product – yet critical to its structural integrity.

S.W.COLE is known for bringing creative, practical alternatives to difficult challenges for over 37 years. We have consistently been selected to support projects similar to the Dover High School and Career Technical Center project throughout New England because of the capabilities and experience of our firm, our personnel and our facilities.

In preparing our response to the Request for Proposal, S.W.COLE relied on the experience of our firm and the experience of our individual team members. Employees from all eight S.W.COLE offices have performed special inspections on hundreds of projects throughout New England. We have technicians with certifications through the International Code Council (ICC) in soils, reinforced concrete, structural steel, structural welding, structural masonry and spray-applied fireproofing.

II. Our Experience

The extent of S.W.COLE's experience, and that of the individual team members proposed for the Dover High School and Career Technical Center, on projects of similar magnitude and scope is unique. The S.W.COLE team proposed for this project has provided construction materials testing and special inspections on many K-12 and college educational facilities in Northern New England *in the last ten years*, including:

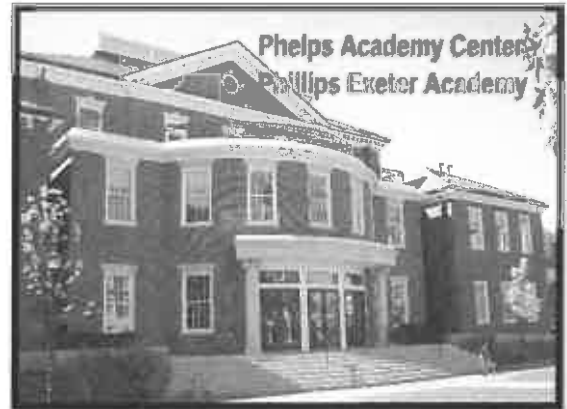


Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016



- *Philips Exeter Academy, Exeter, New Hampshire:* S.W.COLE has had a long relationship with this well-known private school, providing geotechnical engineering, construction materials testing and geoenvironmental services for over 10 years. We performed construction materials testing and inspections on several projects in the last five years, including:

- Health and Wellness Center Addition
- Gymnasium Renovation
- Music Building Addition
- Student Residence Hall Renovation
- Renovation of Phillips Hall (Historic Academic Building)
- New Theatre and Dance Building



- *Idlehurst Elementary School, Somersworth, New Hampshire:* S.W.COLE provided geotechnical engineering, geoenvironmental services and construction materials testing and inspections on this new elementary school for the students of Somersworth. The one-level, 75,000 square foot building was completed in July 2011.
- *University of New Hampshire, Durham, New Hampshire:* As part of a term agreement with the University System of New Hampshire, S.W.COLE has performed construction materials testing and inspection of several large projects at the University of New Hampshire in the last five years, including:
 - New \$50M, 120,000SF Peter T. Paul College of Business & Economics Building
 - \$37M Hamilton Smith Hall Academic Building Expansion and Renovations
 - New 12,000 Seat Stadium
 - Veterinary Diagnostic Center
- Maude H. Trefethen School Addition, New Castle, New Hampshire
- Tilton School Athletic Fields, Tilton, New Hampshire
- Dublin School Tennis Courts, Dublin, New Hampshire
- Derryfield School Parking Lot, Manchester, New Hampshire
- Saint Anselm College Field Turf, Manchester, New Hampshire

Other education projects the members of this team has worked on include:

- Exeter High School, Exeter, New Hampshire



Soils – Materials Testing Services
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- Kennett High School, Conway, New Hampshire
- Noble High School, North Berwick, Maine
- Philips Exeter Academy, Exeter, New Hampshire
 - Phelps Academy Center
 - Dunbar Hall Stair Tower
- University of New Hampshire, Durham, New Hampshire
 - Residence Hall Stair Renovations
 - Field House Renovations and Upgrades
 - Holloway Commons Dining Hall Improvements
- Mitchell School and Shapleigh School Expansion, Kittery, Maine
- Great Bay Community College, Portsmouth, New Hampshire
 - Main Entrance
 - Parking Lot Improvements
- Monadnock Regional High School and Middle School, Swanzey, New Hampshire

As a firm, S.W.COLE has worked on many notable K-12 and higher education projects in Northern New England. The lessons learned by our staff on these projects is always available to the proposed project team, and the experience gained on these projects will guide the S.W.COLE team on the Dover High School project. These projects include:

K-12 Facilities

- South Portland High School, South Portland, Maine
- Lake Region High School and Vocational Center Additions and Renovations, Naples, Maine
- Wentworth Intermediate School, Scarborough, Maine
- Hyde School, Bath, Maine
- Gorham Elementary School, Gorham, Maine
- Hampden Academy, Hampden, Maine
- Woolrich Central School, Woolrich, Maine
- Brewer Community School (K-8), Brewer, Maine
- Greely High School Addition, Cumberland, Maine
- Harriet Beecher Stowe Elementary School, Brunswick, Maine
- Freeport High School Additions and Renovations, Freeport, Maine
- Washington Academy, East Machias, Maine
- Fryeburg Academy Library, Fryeburg, Maine
- Seacoast School of Technology, Exeter, New Hampshire
- Middle School & Calen Technical Center, Littleton, New Hampshire



Soils – Materials Testing Services
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Higher Education

- Colby-Sawyer College, New London, New Hampshire
- Dartmouth College, Hanover, New Hampshire
- Plymouth State University, Plymouth, New Hampshire
- Bates College, Lewiston, Maine
- Colby College, Waterville, Maine
- Thomas College, Waterville, Maine
- Bowdoin College, Brunswick, Maine
- University of Maine, Orono, Maine
- University of Maine, Farmington, Maine
- Husson College, Bangor, Maine
- University of Southern Maine, Gorham and Portland, Maine
- New England College, Biddeford and Portland, Maine

III. Proposed Team

The team proposed by S.W.COLE for the construction materials testing and special inspections at Dover High School and Career Technical Center is comprised of qualified, highly experienced professionals who specialize in the work this project requires. Each member's demonstrated experience on similar projects provide them with the know-how to complete the tasks at hand on time and on budget.

S.W.COLE prides itself on the company's ability to reliably and promptly service both projects and clients. Nearby offices give us the ability to call on the expertise and knowledge of eight construction services managers with ease as well as the flexibility to schedule field testing services in a responsive manner. While this project will be staffed primarily out of our Somersworth, New Hampshire office, located only six miles from the project site, S.W.COLE's seven other locations make it very easy for us to employ additional technicians on the project site or in the laboratory should the workload for any part of this project exceed the amount expected. Employees from our Gray, Maine and Manchester, New Hampshire offices are able to assist with any duties necessary, and the Dover School District will be charged for extra travel if more help is needed.

Our proposed team of dependable, knowledgeable professionals will be led by ***Project Manager Scott Harmon***. Scott is a highly experienced construction services manager with S.W.COLE who joined the firm in 1999. He has over 30 years of experience in the construction field, including



**Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016**



over 23 years of construction materials testing experience. He has worked on a large variety of project types, including:

- K-12 and higher education projects
- Large building projects such as hospitals, medical office buildings, nursing homes, senior living facilities, military facilities, correctional facilities, retail malls and warehouses
- Energy and utility projects
- Roadway construction projects

Scott has vast special inspections knowledge, having managed numerous projects in the last five years, including the construction of Wentworth-Douglass Hospital's Inpatient Bed Tower (Dover, New Hampshire) in 2010, Idlehurst Elementary School (Somersworth, New Hampshire) in 2011 and multiple phases of the \$120M Portwalk project (Portsmouth, New Hampshire) beginning in 2005 and completed in 2015.

Scott will be supported on this project by experienced Special Inspectors and construction materials technicians, including:

- Ryan LaBonte, Senior Technician
- Thomas Mitchell, Senior Technician
- Morgan Shea, Technician
- Antonio Santiago, Technician
- Robert Kenney, Technician
- Stephen Porter, Technician

Structural steel inspections will be completed by Neal J. White of White Engineering, LLC. Neal is an industry expert in welding procedures and structural inspection with over 40 years of experience. He is an ICC Structural Steel Special Inspector and AWS-QCI Certified Welding Inspector. He is familiar with the proposed S.W.COLE team as he has worked with the firm as a subconsultant on many projects, including Idlehurst Elementary School in Somersworth, New Hampshire.

IV. Current Commitments

While the local S.W.COLE office is currently working on several other projects, rest assured that this will not affect our ability to perform the required services on this project. Our office is staffed with numerous technicians so that we are able to service all of our projects. As mentioned above, we can also call upon the services of nearby offices if need be.



**Soils – Materials Testing Services
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Current projects include:

- Sanford High School and Regional Technical Center, Sanford, Maine
- Sarah Mildred Long Bridge, Portsmouth, New Hampshire / Kittery, Maine
- Whittier Bridge, Amesbury, Massachusetts
- Theatre and Dance Building, Phillips Exeter Academy, Exeter, New Hampshire



Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016



REFERENCES

3

S.W.COLE has performed construction materials testing and special inspections on many school projects in the last five years. References for several similar projects are listed below.

1. Lance Whitehead, AIA
Senior Associate and Architect
Lavallee Brensinger Architects
lance.whitehead@lbpa.com
603.622.5450 x147

Project: Sanford High School and Technical Center
Currently Under Construction
S.W.COLE is currently performing construction materials testing and special inspections for the new 324,000SF Sanford High School and Regional Technical Center.

2. Mark Leighton
Director of Projects and Building Systems
Phillips Exeter Academy, Exeter, New Hampshire
mleighton@exeter.edu
603.777.4404

Project: S.W. COLE has performed construction materials testing on numerous projects at Phillips Exeter Academy in the last ten years, including:

- Health and Wellness Center Addition
- Gymnasium Renovation
- Music Building Addition
- Renovation of Phillips Hall (Historic Academic Building)
- New Theatre and Dance Building (currently under construction)
- Field House (currently under construction)



Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016



3. Mark Geuther
Project Manager, Facilities Department
University of New Hampshire
mark.geuther@unh.edu
603.862.1787

Projects: As part of a term agreement with the University System of New Hampshire, S.W. COLE has performed construction materials testing and inspection of several large projects at the University of New Hampshire in the last five years, including:

- New \$50M, 120,000SF Peter T. Paul College of Business & Economics Building
- \$37M Hamilton Smith Hall Academic Building Expansion and Renovations
- New 12,000 Seat Stadium
- Veterinary Diagnostic Center

4. Dan Bisson, AIA
Architect
Harriman, Manchester, New Hampshire
dbisson@harriman.com
603.626.1242

Project: Idlehurst Elementary School
Construction completed in 2011





PROOF OF INSURANCE

4

If selected to perform services on this project, S.W. COLE can submit a certificate of insurance meeting the requirements listed in the Dover High School and Career Technical Center Soils – Materials Testing Request for Proposal. We will also add Dover School District as an additional insured.

Following this page, please find a sample certificate to serve as proof of insurance.



**Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016**



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/24/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Cross Insurance 74 Gilman Road P.O. Box 1388 Bangor ME 04401	CONTACT NAME: Woodrow Cross, II PHONE (A/C No. Ext.): (207) 947-7345 FAX (A/C No.): E-MAIL ADDRESS: w2cross@crossagency.com																					
INSURED S.W. Cole Engineering, Inc. 37 Liberty Drive Bangor ME 04401-5784	<table border="1"><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A</td><td>Acadia Insurance Group, LLC</td><td>31325</td></tr><tr><td>INSURER B</td><td>Travelers Ins. Co.</td><td>-</td></tr><tr><td>INSURER C</td><td></td><td></td></tr><tr><td>INSURER D</td><td></td><td></td></tr><tr><td>INSURER E</td><td></td><td></td></tr><tr><td>INSURER F</td><td></td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A	Acadia Insurance Group, LLC	31325	INSURER B	Travelers Ins. Co.	-	INSURER C			INSURER D			INSURER E			INSURER F		
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INSURER C																						
INSURER D																						
INSURER E																						
INSURER F																						

COVERAGES

CERTIFICATE NUMBER: CL1361086906

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR		BOA510425210	5/21/2013	5/21/2014	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000	
	GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC						
	A	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ ALL OWNED AUTOS ☒ SCHEDULED AUTOS ☒ HIRED AUTOS ☒ NON-OWNED AUTOS		CAA5104257-10	5/21/2013	5/21/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE		CUA5104258-10	5/21/2013	5/21/2014
DED ☒ RETENTION \$ 10,000							
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			Y/N ☐	N/A			

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Refer to policy for exclusionary endorsements and special provisions.

CERTIFICATE HOLDER**CANCELLATION**

SAMPLE CERTIFICATE

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Woodrow Cross, II/WC1



PRICING SHEET AND SIGNATURE PAGE

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Following this page, please find the completed pricing sheet (Attachment A) from the Dover High School and Career Technical Center Request for Proposal and the contact information table with the required signature.



Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**

Date June 3, 2016

ATTACHMENT A: PRICING

I. SOILS & EARTHWORK (soil testing under structural elements within the building footprint will be performed by the design geotechnical engineer)

1	Soil Compaction & Moisture Content Testing	\$ 50 /hour
2	Electronic Nuclear Moisture-Density Gauge	\$ 35 /day
3	Modified Proctor	\$ 120 /each
4	Washed Sieve Analysis	\$ 85 /each
5	Topsoil Analysis (mechanical and chemical)	\$ 125 /each

II. CAST IN-PLACE CONCRETE

1	Certified Concrete Batch Plant Inspector	\$ 58 /hour
2	ACI Certified Concrete Field Technician (ACI-CFTT)	\$ 50 /hour
3	Concrete Test Cylinders 4" x 8"	\$ 15 /each
4	Mix Design Review	\$ 100 /each
5	Vapor Emission & pH Testing of Concrete Floors Using Anhydrous Calcium Chloride Kit	\$ 58 /hour \$ 35 /test kit
6	Determination of Relative Humidity in Concrete Floors Using in-situ probes (ASTM F 2170-11)	\$ 58 /hour \$ 38 /probe
7	Floor Flatness/Levelness Testing (FF & FL Testing)	\$ 750 /slab

III. STRUCTURAL & REINFORCING STEEL, JOISTS, DECK, STUDS, LIGHT GAUGE METAL FRAMING (LGMF), MISC. METAL, AND NON-DESTRUCTIVE EXAMINATION (NDE)

1	Formwork & Reinforcing Steel Inspection	\$ 50 /hour
2	Visual Steel Erection Inspection	\$ 58 /hour
3	AWS Certified Welding Inspector	\$ 580 /day
4	Non-Destructive Examination	\$ 580 /day



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID PROPOSAL QUALIFICATION

Request type Proposal
Title Soils – Materials Testing

Date June 3, 2016

IV. SPRAY FIREPROOFING

1	<u>ICC Certified Fireproofing Inspector</u> To perform an evaluation of the Sprayed-On Fireproofing for proper coverage, thickness & density (ASTM E-605) and adhesion (ASTM E-736)	\$ 58 /hour
1a	Adhesion Test	\$ 10 /each
1b	Density Test	\$ 30 /each

V. MASONRY

1	Field Masonry Inspector	\$ 50 /hour
2	IBC Certified Structural Masonry Special Inspector	\$ 58 /hour
3	<u>Laboratory Services</u>	
3a	Test Concrete Masonry Unit (ASTM C-140)	\$ 250 /set
3b	Preconstruction Determination of Mortar Properties	\$ 250 /each
3c	Grout Prisms or Cylinders (ASTM C-1019)	\$ 30 /each
3d	Strength Test CMU Prisms (ASTM C-1314)	\$ 110 /each
3e	Mortar or Non-Shrink Grout Cubes (ASTM C-109)	\$ 25 /each

VI. BITUMINOUS ASPHALT

1	NETTCP Certified Bituminous Field Technician	\$ 60 /hour
2	<u>Thickness Evaluation and/or Coring of Pavement Mixture Field</u>	
2a	Coring Technician & Equipment	\$ 70 /hour
2b	Bit Wear (6 inch diameter specimens)	\$ 20 /each
3	<u>Laboratory Tests</u>	
3a	Preparation of Marshall Specimens	\$ 300 /each set
3b	Bulk Specific Gravity of Mixtures	\$ 30 /each
3c	Theoretical Maximum Specific Gravity	\$ 110 /each
3d	Extraction of Bitumen from Mix & Gradation	\$ 175 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**

Date June 3, 2016

VII. MISCELLANEOUS

1	QA/QC Consultant Services or Research, if needed	\$ 105 /hour
2	Registered Professional Engineer, if needed	\$ 125 /hour
3	Cross Trained QA/QC Inspector (full-time)	\$ 60 /hour
4	Mileage Expense to/from site per trip	\$ No Charge /trip
5	Round Trip Travel time per site visit .5HR/Trip	No Charge /hours/trip
6	Transportation of samples from the site to laboratory	\$ 35 /trip
7	<u>Normal turnaround time for laboratory results is (2) working days from date received</u> Requested "Rush" Laboratory Results will be charged at: 24 hour turnaround time (or less) 24 to 48 hour turnaround time	 = regular rate x (1.25) = regular rate x (1)
8	<u>Overtime Rate (over 8 hours on site)</u> 2 nd shift rates 3 rd shift rates Saturday rate Sunday/Holiday rate	Base rate x \$ 1 Base rate x \$ 1.25 Base rate x \$ 1 Base rate x \$ 1.25

ALL consumable materials and tools required for the taking of or testing of material samples shall be included in the unit prices provided.

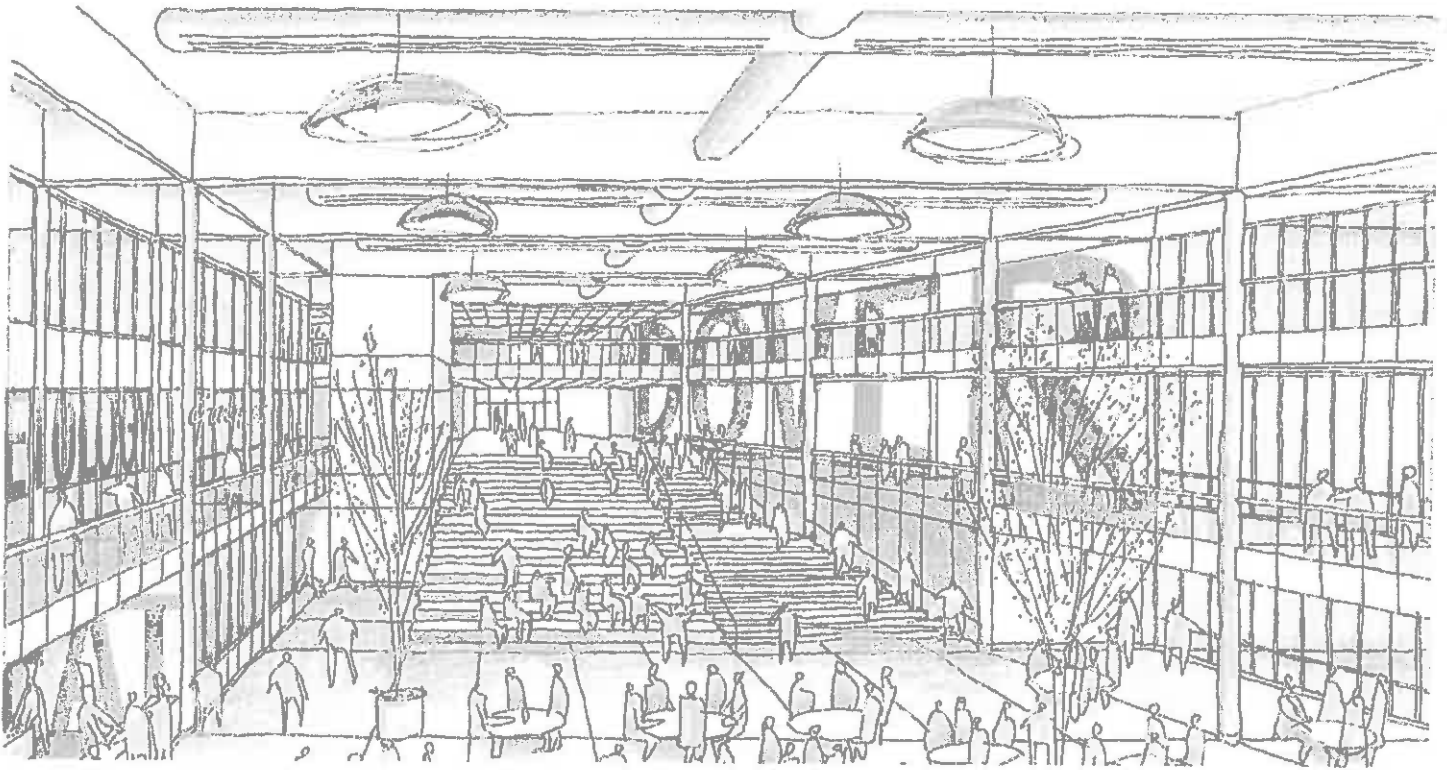


Contact Information and Signature

Official Entity Name	S. W. Cole Engineering, Inc.	FOB Information	City of Dover
Address	10 Centre Road		
State, City, Zip	Somersworth, NH 03878	Availability	Immediate
Email Address	scott.harmon@swcole.com	State of Incorporation	New Hampshire
Warranty / Guarantee		Price Holds For	1 Year
Date	June 22, 2016	SSN or EIN	01-0363633
Telephone Number	603.692.0088	Fax Number	603.692.0044
Signature		Title	Construction Services Manager



Soils – Materials Testing Services
Dover High School and Career Technical Center
June 22, 2016



Request for Proposal

for Soils-Materials Testing at the Dover High School
and Career Technical Center Building project

Manchester Office
77 Sundial Avenue
Suite 401W
Manchester, New Hampshire 03103

Phone: (603) 206 1187
www.terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials



Terracon is an employee-owned consulting engineering firm that has provided quality engineering services to clients since 1965. From its roots in geotechnical engineering, Terracon has evolved into a successful multi-discipline firm specializing in geotechnical, environmental, construction materials, and facilities services. Having a presence in New Hampshire for nearly 25 years, we are familiar with the geologic conditions and the challenges local conditions can present during construction.

Our Manchester, NH office has a construction materials testing department with 12 staff, including full-time field and laboratory technicians, project managers and a Department Manager. We routinely provide construction testing and monitoring services on behalf of owners and municipalities for private and public development projects and have worked directly and indirectly for dozens of New Hampshire municipalities.

Our construction testing group works closely with our geotechnical engineers, all of whom are registered professional engineers in the state of New Hampshire. Through this ongoing collaboration between geotechnical professionals and technicians, we will save the City of Dover time, money and surprises by offering practical solutions to unforeseen issues that arise during construction. One project manager will be assigned to the work and will oversee the technicians, so a single point of contact will be available to the team and to the city, resulting in efficient communication. In addition, reports documenting site activities and results of field and laboratory tests are typically available via our client website within 24 to 48 hours. The database allows immediate access to data and reports, and our clients appreciate the efficiency and accuracy of the system.

Our construction technicians are cross-trained in soils, concrete, asphalt and aggregate testing and are therefore able to provide multiple testing services during one site visit which will ultimately save the city time and money. Terracon technicians hold and maintain certifications from the American Concrete Institute (ACI), Northeast Transportation Training and Certification Program (NETTCP), National Institute for Certification in Engineering Technologies (NICET), ANST and the Occupational Safety and Health Association (OSHA).

Our materials testing laboratory provides testing services for concrete, asphalt, aggregate and soils and is accredited by the Cement and Concrete Reference Laboratory (CCRL), National Voluntary Laboratory Accreditation Program (NVLAP). We have an extensive quality control plan in place, including routine equipment inspections and calibrations, and a second party review program for laboratory reports.

Terracon Consultants, Inc. 77 Sundial Ave. Suite 401W Manchester, NH 03103

P [603] 647 9700 F [603] 647 4432 terracon.com

Geotechnical



Environmental



Construction Materials



Facilities

Services

Geotechnical

Design and construction of functional, cost-effective structures require a thorough understanding of local soil, rock and groundwater conditions. Terracon provides a wide range of services to support all phases of a project, from preliminary design through completion of the construction process.

- Subsurface exploration and geophysical investigations
- Foundation analysis and design
- In-situ testing and performance monitoring
- Earth structures, slopes, and retention systems
- Dynamic analysis and evaluation
- Soil stabilization and ground improvement
- Groundwater control/dewatering
- Pavement design and subgrade evaluation
- Seismic design and assessments

Construction Materials

Proper selection, quality, workmanship, and performance of construction materials play a vital role in ensuring that today's buildings and infrastructure perform adequately over long time periods. We work with clients to minimize material replacements, reduce the likelihood of deterioration, avoid potential failures, and investigate and evaluate construction materials related problems and failures when they do occur.

- On-site observation and monitoring
- Building code related special inspections
- Construction quality control and quality assurance programs
- Field and laboratory testing and analysis
- Design and review of concrete, grout, and asphalt concrete mixes
- Structural steel nondestructive testing
- Consulting for construction material selection, compatibility, acceptability, and performance
- Condition assessment, investigation, and evaluation of in-place construction materials
- Pavement materials engineering
- Resident site representative services
- Special Inspections

Environmental

Negotiating the complexities of environmental issues can be challenging and time consuming. Terracon relies upon demonstrated experience and knowledge of local conditions and regulations to deliver solutions that are timely, practical and make good business sense.

- Site assessments and investigations
- Remediation design and implementation
- Brownfield/site redevelopment
- Natural resources/wetlands delineation/mitigation
- Industrial hygiene, health, and safety
- Asbestos/lead/mold/indoor air quality
- Regulatory compliance
- Environmental management systems
- Solid waste planning and design

Facilities

We develop solutions and strategies to assist in the acquisition, construction and management of facilities.

- Property condition assessments
- Facility asset management
- Forensic investigations/building science
- Roof/waterproofing
- Mechanical, electrical, plumbing (MEP)/energy/LEED®
- Foundation/structural
- Life cycle cost analysis
- ADA/code compliance surveys
- Peer review
- Construction administration
- Seismic assessments

Terracon





**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type	Proposal
Title	Soils – Materials Testing
Date	June 3, 2016

company accreditation including qualifications for lab certifications and testing inspector certifications.

IV. SUBMITTAL REQUIREMENTS (any missing items may result in rejection of the proposal)

Insurance

The successful vendor will be required to submit a certificate of insurance showing minimum liability limits of \$1,000,000.00 per occurrence and \$2,000,000.00 aggregate, types of liability coverage and workers compensation participation. Thirty day notice is required for cancellation of policy and the Dover School District shall be listed as additional insured.

Commitments

Submit a description of the firm's overall capability, resources and assurance that it can meet its' commitment to successfully complete testing within the specified time frame.

References

Recent name, phone number and email addresses must be provided for at least three (3) other customers for whom these types of services have been successfully provided.

1. Eric Kruger - City of Manchester - 603-792-5316 ekruger@manchesternh.com
2. Dale Gauthier - Walmart Stores, Inc. - 518-330-6410 Dale.Gauthier@wal-mart.com
3. Kevin See - Scannell Properties - 317-218-1641 kevin@scannellproperties.com

Licenses and Permits (if any)

All State of NH & local codes, permits and licensing requirements must be met by anyone performing work on city and school property. Vendor will be required to obtain permits prior to commencing any work. Local permit fees will be waived by the City. Copies of such permits and licenses will be forwarded to the District's business office for the file prior to work commencing.

V. PRICING

Please see Attachment A for Pricing Sheet. ALL consumable materials and tools required for the taking of or testing of material samples shall be included in the unit prices provided.

VI. SELECTION

The Joint Building Committee and Advisors will review submissions. After review of submissions and prior to final selection, the Joint Building Committee may, at its discretion, conduct interviews with a limited number of vendors. If the Joint Building Committee desires to interview a vendor, that vendor will receive notification of the date and time of the interview. Vendors who are interviewed should



REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type: Proposal
 Title: Soils – Materials Testing
 Date: June 3, 2016

anticipate interviews that focus on their approach to this project and the team of professionals who will be directly involved in the project.

The Joint Building Committee is under no obligation to grant interviews to any vendor receiving a copy of this RFP and/or submitting a written response to this RFP.

The Joint Building Committee will select the vendor and negotiate with the most qualified vendor on price, terms and conditions. The Joint Building Committee is responsible for the award of a bid and contract.

The Dover School District supports the concept of purchasing products that are biodegradable, can be or have been recycled, or are environmentally sound. Due consideration will be given to the purchase of such products. If you are bidding on any such products which qualify, please so indicate in a cover sheet by item number and description.

CONTACT INFORMATION: SIGNATURE REQUIRED:

Official Entity Name	Terracon Consultants, Inc.	FOB Information:	N/A
Address:	77 Sundial Ave, Ste. 401W		
City, State, Zip	Manchester, NH 03103	Availability:	On Request
Email address:	Larry.Dwyer@Terracon.com	State of Incorporation	Maryland
Warranty/guarantee:		Price holds for:	90 Days
Date:	June 22, 2016	SSN or EIN:	42-1249917
Telephone #:	(603) 206-1115	Fax #:	(603) 647-4432
Signature:		Title:	Principal

Check here if appropriate: _____ (X) NO BID

Any deviations from the above stated specifications must be so noted and any bid prices must be reflective of these deviations. The FOB point is always to be Dover unless otherwise stated by the bidder. A FOB point other the Dover must be so stipulated by the bidder.

Bid Protests

- A. Any actual or prospective bidder who is aggrieved in connection with the solicitation or award of a bid or contract may protest and seek resolution of complaints with the Business Administrator. A protest with respect to an invitation for bids or request for proposals shall be submitted in writing prior to the time for the opening of bids on the closing day for proposals, unless the aggrieved person did not know and should not have known of the facts giving rise to such protest prior to bid opening or the closing date for proposal. In that event, the protest shall be submitted within three



REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
 Title Soils – Materials Testing
 Date June 3, 2016

ATTACHMENT A: PRICING

- I. **SOILS & EARTHWORK** (soil testing under structural elements within the building footprint will be performed by the design geotechnical engineer)

1	Soil Compaction & Moisture Content Testing	\$ 48.00 /hour
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3	Modified Proctor	\$ 125.00 /each
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II. **CAST IN-PLACE CONCRETE**

1	Certified Concrete Batch Plant Inspector	\$ 55.00 /hour
2	ACI Certified Concrete Field Technician (ACI-CFTT)	\$ 48.00 /hour
3	Concrete Test Cylinders 4" x 8"	\$ 12.00 /each
4	Mix Design Review	\$ 120.00 /each
5	Vapor Emission & pH Testing of Concrete Floors Using Anhydrous Calcium Chloride Kit	\$ 48.00 /hour \$ 50.00 /test kit
6	Determination of Relative Humidity in Concrete Floors Using in-situ probes (ASTM F 2170-11)	\$ 48.00 /hour \$ 50.00 /probe
7	Floor Flatness/Levelness Testing (FF & FL Testing)	\$ 400.00 /slab

III. **STRUCTURAL & REINFORCING STEEL, JOISTS, DECK, STUDS, LIGHT GAUGE METAL FRAMING (LGMF), MISC. METAL, AND NON-DESTRUCTIVE EXAMINATION (NDE)**

1	Formwork & Reinforcing Steel Inspection	\$ 48.00 /hour
2	Visual Steel Erection Inspection	\$ 48.00 /hour
3	AWS Certified Welding Inspector	\$ 85.00 /each
4	Non-Destructive Examination	\$ 90.00 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title Soils – Materials Testing

Date June 3, 2016

IV. SPRAY FIREPROOFING

1	<u>ICC Certified Fireproofing Inspector</u> To perform an evaluation of the Sprayed-On Fireproofing for proper coverage, thickness & density (ASTM E-605) and adhesion (ASTM E-736)	\$ 55.00 /hour
1a	Adhesion Test	\$ 30.00 /each
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V. MASONRY

1	Field Masonry Inspector	\$ 48.00 /hour
2	IBC Certified Structural Masonry Special Inspector	\$ 55.00 /hour
3	<u>Laboratory Services</u>	
3a	Test Concrete Masonry Unit (ASTM C-140)	\$ 75.00 /set— Block
3b	Preconstruction Determination of Mortar Properties	\$ 20.00 /each
3c	Grout Prisms or Cylinders (ASTM C-1019)	\$ 20.00 /each
3d	Strength Test CMU Prisms (ASTM C-1314)	\$ 150.00 /each
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VI. BITUMINOUS ASPHALT

1	NETTCP Certified Bituminous Field Technician	\$ 48.00 /hour
2	<u>Thickness Evaluation and/or Coring of Pavement Mixture Field</u>	
2a	Coring Technician & Equipment	\$ 120.00 /hour
2b	Bit Wear (6 inch diameter specimens)	\$ N/C /each
3	<u>Laboratory Tests</u>	
3a	Preparation of Marshall Specimens	\$ 110.00 /each set
3b	Bulk Specific Gravity of Mixtures	\$ 100.00 /each
3c	Theoretical Maximum Specific Gravity	\$ 100.00 /each
3d	Extraction of Bitumen from Mix & Gradation	\$ 250.00 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**
Date June 3, 2016

VII. MISCELLANEOUS

1	QA/QC Consultant Services or Research, if needed	\$ <u>55.00</u> /hour
2	Registered Professional Engineer, if needed	\$ <u>120.00</u> /hour
3	Cross Trained QA/QC Inspector (full-time)	\$ <u>55.00</u> /hour
4	Mileage Expense to/from site per trip	\$ <u>60.00</u> /trip
5	Round Trip Travel time per site visit	<u>2.0</u> /hours/trip
6	Transportation of samples from the site to laboratory	\$ <u>50.00</u> /trip
7	<u>Normal turnaround time for laboratory results is () working days from date received</u> Requested "Rush" Laboratory Results will be charged at: 24 hour turnaround time (or less) 24 to 48 hour turnaround time	= regular rate x (<u>1.3</u>) = regular rate x (<u>1.3</u>)
8	<u>Overtime Rate (over 8 hours on site)</u> 2 nd shift rates 3 rd shift rates Saturday rate Sunday/Holiday rate	Base rate x \$ <u>1.3</u> Base rate x \$ <u>1.3</u> Base rate x \$ <u>1.3</u> Base rate x \$ <u>1.3</u>

ALL consumable materials and tools required for the taking of or testing of material samples shall be included in the unit prices provided.



CERTIFICATE OF LIABILITY INSURANCE

1/1/2017

DATE (MM/DD/YYYY)

1/15/2016

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PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME:	
	PHONE (A/C, No, Ext): FAX (A/C, No):	
INSURED 1312891 TERRACON CONSULTANTS, INC. 18001 W. 106TH STREET, SUITE 300 OLATHE KS 66061	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Lexington Insurance Company	
	INSURER B: Travelers Property Casualty Co of America	
	INSURER C: The Travelers Indemnity Company	
	INSURER D:	
INSURER E:		
INSURER F:		

COVERAGES MAIN **CERTIFICATE NUMBER:** 13881552 **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ CONTR'L LIABILITY GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:	N	N	TC2J-GLSA-1118L293	1/1/2016	1/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☒ ALL OWNED AUTOS ☒ HIRED AUTOS ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS	N	N	TC2J-CAP-131J3858 TJBAP131J3895	1/1/2016 1/1/2016	1/1/2017 1/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
B	☒ UMBRELLA LIAB ☒ EXCESS LIAB DED RETENTION\$	N	N	ZUP-91M46583 (EXCLUDES PROF. LIAB.)	1/1/2016	1/1/2017	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ XXXXXXXX
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N	N/A	TC2KUB131J374216 (AOS) TRKUB131J384616 (AZ,MA,WI) TC2KUB131J374216 (CA)	1/1/2016 1/1/2016 1/1/2016	1/1/2017 1/1/2017 1/1/2017	☒ PER STATUTE ☐ OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	PROFESSIONAL LIABILITY	N	N	26030216	1/1/2016	1/1/2017	\$1,000,000 EACH CLAIM & \$1,000,000 ANNUAL AGGREGATE

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) FOR INFORMATIONAL PURPOSES ONLY. THE EXCESS UMBRELLA LIABILITY SITS ON TOP OF THE GENERAL, AUTO, AND EMPLOYER'S LIABILITY.

CERTIFICATE HOLDER

13881552
SPECIMEN

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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June 20, 2016

HMFH Architects, Inc.
130 Bishop Allen Drive
Cambridge, MA 02139

Attention: Ms. Tina Stanislaski

Reference: Dover High School; Dover, New Hampshire
Proposal for Construction-Phase Geotechnical Engineering Services

Ladies and Gentlemen:

We are pleased to present our proposal for providing construction-phase geotechnical engineering services for the proposed Dover High School development located in Dover, New Hampshire.

Project Overview

The Dover High School campus occupies an irregularly shaped site that is bounded by Dover Middle School and the Bellamy River to the north, Durham Road to the southeast, residential properties to the south and Bellamy Road to the west. Currently, the campus is occupied by the existing high school building which is located on the southeastern quadrant of the site with parking areas immediately surrounding and to the south of the existing school. The school fronts to the south onto Alumni Drive which crosses the southern half of the site. Athletic fields are located to the north and west of the existing building. A separate small school building is located to the southwest of the main high school structure on the south side of Alumni Drive. Ground surface slopes gently down from southwest to both the north and east with athletic fields benched into the existing grade changes.

The proposed development involves the construction of a new school building to the northwest of the existing school. Based on the information provided to us, the proposed 3-story building will occupy a footprint of approximately 185,000 square feet. It is understood that the proposed building will not contain any below grade space but will be benched into the existing slope of the site which drops from southwest to northeast across the proposed building footprint. The proposed lowest level slab within the northeastern end of the proposed building will be constructed at Elevation +84. The lowest level slab across the remainder of the building is understood to be at about Elevation +98. A courtyard and walkways will occupy the central portion of the building footprint. In addition, it is understood that current football/soccer field will be replaced with a synthetic turf field and new track.

Previous geotechnical related services provided by McPhail Associates LLC (McPhail) for this project included the preparation of the following:

- Preliminary Foundation Engineering Report, Dover High School; Dover, New Hampshire dated May 14, 2015;



- Final Foundation Engineering Report, Dover High School; Dover, New Hampshire dated November 2, 2015;
- Revised Foundation Engineering Recommendations Letter, Dover High School; Dover, New Hampshire dated March 21, 2016;
- Foundation Engineering Report, Proposed Animal Science Building and Covered Riding Paddock, Dover High School; Dover, New Hampshire dated June 13, 2016;
- Building Earthwork Specifications, Dover High School & Career Technical Center; Dover, New Hampshire dated May 17, 2016; and
- Aggregate Pier Specifications, Dover High School & Career Technical Center; Dover, New Hampshire dated May 17, 2016.

Based on the proposed scope of development and the subsurface conditions encountered at the site, Foundation Engineering Reports prepared for this project by McPhail recommended that the proposed building be founded on a conventional spread footing foundation system in conjunction with slab-on-grade construction for the lowest level slab. It is recommended that spread footings bearing in the glacial till or marine deposits, or on compacted structural fill placed directly over the undisturbed marine and/or glacial till deposit after removal of the existing fill material, or on the fill and marine deposits improved with aggregate piers.

Construction Phase Engineering Services

Construction monitoring is required to observe compliance with the design concepts incorporated into the Contract Documents. Installation of aggregate piers and preparation of the footing and slab-on-grade subgrades requires observation to confirm that proper methods are being utilized and that the actual in-situ conditions are consistent with those upon which the design was predicated.

Based on the provided construction schedule, it is understood that preparation of the areas for Aggregate Piers and their installation will begin around August 16, 2016 and will be finished on October 25, 2016. In addition, it is understood that foundation subgrade preparation will start on September 14, 2016 and it will be completed around February 21, 2017. Lastly, it is anticipated that slab-on-grade preparation will require about twelve (12) weeks to complete.

Therefore, it is recommended that a representative of McPhail be present during the earthwork and foundation construction phase of the project to observe installation of aggregate piers, preparation of footing and slab subgrades, and placement and compaction of fill materials. Our involvement during the construction phase of the work should minimize costly delays due to unanticipated field problems since our field engineer would be under the direct supervision of our project manager who was responsible for foundation design recommendations documented in the foundation engineering reports mentioned herein.



We propose to provide the following scope of foundation construction monitoring services associated with the proposed project:

1. Review the Contractor's submittals for fill materials, dewatering, and methods for fill placement and design and installation methods for ground improvement for conformance with the project earthwork specification requirements;
3. Provide a field engineer on-site on a full-time and a part time basis for eighteen (18) weeks (720 hours) and ten (10) weeks (200 hours), respectively, to monitor installation of the ground improvement consisting of aggregate piers, preparation of foundation and slab-on-grade bearing surfaces, and placement of engineered backfill within the building footprint;
4. Prepare and submit field reports summarizing each day's construction activities while on-site;
5. Attend job meetings as required and provide consultation on geotechnical-related issues and problems which may arise during the course of the work; and
6. At the completion of the geotechnical-phase of the project, prepare a cover letter summarizing the observations documented in the daily field reports and the conformance of both the placement of engineered fill and foundation bearing surface preparation with the requirements of the Contract Documents.

The fee for engineering services would be based on a multiple of 2.5 times salary cost for technical personnel directly attributable to the project plus any direct expenses (e.g. mileage, report reproduction) at cost plus 15 percent.

Our current salary cost ranges for McPhail Associates, LLC personnel are:

Principal	\$77.88 - \$90.87/hr.
Project Manager/Associate	\$43.20 - \$63.61/hr.
Project Engineer/Field Engineer	\$34.76 - \$47.93/hr.
Technician/Draftsman	\$32.40 - \$38.48/hr.

Based on the proposed scope of construction and our experience on similar sized projects, the earthwork, and foundation construction is estimated to require our field personnel to be present on the site on a full-time and a part time basis for eighteen (18) weeks (720 hours) and ten (10) weeks (200 hours), respectively. Predicated on the above and assuming no unusual construction difficulties, the estimated fee for the construction-phase geotechnical engineering services is \$126,500.

Our total fee would be dependent upon the duration of our required presence on the site which is, of course, a function of the Contractor's progress and phasing of activities. Should our presence on the site be required for a greater or lesser period, the cost of our field representative's time would be adjusted accordingly.



HMFH Architects, Inc.
June 20, 2016
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It is hereby understood that the presence of our field representative on the site will be solely for the purpose of monitoring the above-described construction. Our work does not include supervision or direction of the actual work of the Contractor or his employees. The Contractor should be informed that neither the presence of our field representative nor the observations and testing of our firm shall relieve him in any way from his responsibility concerning defects discovered in his work. It is also understood that we will not be responsible in any way for job site safety as this will be the sole responsibility of the Contractor.

Our scope of services under this proposal specifically excludes geoenvironmental engineering services pursuant to the Massachusetts Oil and Hazardous Materials Release Prevention and Response Act (MGL Chapter 21E) and pursuant to the Massachusetts Contingency Plan (310 CMR 40.0000). Our scope of services also excludes chemical testing of the soil and groundwater. These services are available from McPhail Associates, LLC should they be required for this project.

The geotechnical engineer's liability for damages due to professional negligence will be limited to an amount not to exceed \$1,000,000 in accordance with the terms and conditions of our policy.

Invoices for services would be submitted monthly and payment would be due within 90 days. The Client agrees to pay interest at the rate of 1.5 percent per month on monies outstanding in excess of 90 days and collection costs on monies outstanding in excess of 120 days.

To authorize us to proceed with the services proposed above, please sign and return a copy of this letter. We appreciate the opportunity to submit this proposal and look forward to being of continued service to HMFH Architects, Inc. on this project. Should you have any questions or require further information, please do not hesitate to contact us.

Very truly yours,

McPHAIL ASSOCIATES, LLC

HMFH ARCHITECTS, INC.

A handwritten signature in blue ink, reading 'Fatima Babic-Konjic'.

Fatima Babic-Konjic, P.E.

BY _____

A handwritten signature in black ink, reading 'Ambrose J. Donovan'.

Ambrose J. Donovan, P.E., L.S.P.

DATE _____