



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	2018 Geotechnical Services and Construction Materials Testing		
Presenter & Title:	Brian L. Schiber, City Engineer/ADPW		
Date:	May 1, 2018		
Please Check Appropriate Box:			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Estimated Cost: \$50,000	Budgeted?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
<i>If NO, please explain how the item will be funded:</i>			
Executive Summary:			
<p>Six (6) proposals were opened and read aloud on April 30, 2018 and are as summarized in the attached Bid Tab. NASHnal Soil Testing, LLC of Plainfield, IL submitted the most competitive proposal for \$43,779.00. Their quote is below the budgeted amount of \$50,000.00. This company has not performed work for the City of Geneva before, but we checked their references and they have done satisfactory work for other communities. Their employees are certified and their laboratory facility is currently going through the annual IDOT recertification. Their laboratory is also certified by American Association of State Highway Officials (AASHTO) to provide Geotechnical Services and Construction Material Testing.</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Tabulation of Proposals 			
Recommendation / Suggested Action: <i>(briefly explain)</i>			
<p>In consideration of the above information, I respectfully recommend that on May 21, 2018 that the City of Geneva City Council award the contract for the 2018 Geotechnical Services and Construction Material Testing to NASHnal Soil Testing, LLC in a not to exceed amount of \$43,779.00.</p>			

RESOLUTION NO. 2018-41

**RESOLUTION AUTHORIZING EXECUTION OF
Contract with NASHnal Soil Testing, LLC for the 2018 Geotechnical Services and
Construction Materials Testing**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE
COUNTY, ILLINOIS**, as follows:

SECTION 1: The City Administrator is hereby authorized to execute the contract, on behalf of the City of Geneva, for the 2018 Geotechnical Services and Construction Materials Testing with NASHnal Soil Testing, LLC.

SECTION 2: This Resolution shall become effective from and after its passage as in accordance with law.

PASSED by the City Council of the City of Geneva, Kane County, Illinois, this 21st day of May, 2018

AYES: __ NAYS: __ ABSENT: __ ABSTAINING: __ HOLDING OFFICE: __

Approved by me this ____ day of _____, 2018.

Mayor

ATTEST:

City Clerk

2018 GEOTECH AND MATERIAL TESTING SERVICES PROPOSAL TABULATION			NASHna SOIL TEST.		RUBINO		GEOCON PROF. SERVICES		SEECO CONSULTANTS INC.		INTERRA		CHICAGO TEST. LAB.	
GEOTECHNICAL SERVICES			UNITS	EST. QTY.	UNIT PRICE	COST	UNIT PRICE	COST	UNIT PRICE	COST	UNIT PRICE	COST	UNIT PRICE	COST
ENGINEERING:														
Chief Engineer	HR	6.00	\$ 89.00	\$ 534.00	90.00	540.00	\$125.00	750.00	\$180.00	\$ 1,080.00	\$ 125.00	\$ 750.00	\$ 130.00	\$ 780.00
Senior Engineer	HR	6.00	\$ 89.00	\$ 534.00	90.00	540.00	\$125.00	750.00	\$130.00	\$ 780.00	\$ 110.00	\$ 660.00	\$ 130.00	\$ 780.00
Project Engineer	HR	10.00	\$ 79.00	\$ 790.00	80.00	800.00	\$95.00	950.00	\$120.00	\$ 1,200.00	\$ 90.00	\$ 900.00	\$ 115.00	\$ 1,150.00
Staff Engineer	HR	15.00	\$ 79.00	\$ 1,185.00	80.00	1,200.00	\$95.00	1,425.00	\$105.00	\$ 1,575.00	\$ 85.00	\$ 1,275.00	\$ 110.00	\$ 1,650.00
Engineering Technician	HR	20.00	\$ 79.50	\$ 1,590.00	80.00	1,600.00	\$95.00	1,900.00	\$99.00	\$ 1,980.00	\$ 95.00	\$ 1,900.00	\$ 102.00	\$ 2,040.00
				\$ -				-		\$ -		\$ -		\$ -
SUBSURFACE EXPLORATION:														
Mobilization	EA	2.00	\$ 600.00	\$ 1,200.00	500.00	1,000.00	\$450.00	900.00	\$450.00	\$ 900.00	\$ 750.00	\$ 1,500.00	\$ 350.00	\$ 700.00
Borings (5 - 10 feet)	FT	200.00	\$ 20.00	\$ 4,000.00	19.00	3,800.00	\$21.00	4,200.00	\$26.00	\$ 5,200.00	\$ 40.00	\$ 8,000.00	\$ 17.00	\$ 3,400.00
				\$ -				-		\$ -		\$ -		\$ -
LABORATORY TESTING:														
				\$ -				-		\$ -		\$ -		\$ -
Moisture Content	EA	80.00	\$ 3.00	\$ 240.00	3.00	240.00	\$15.00	1,200.00	\$8.00	\$ 640.00	\$ 15.00	\$ 1,200.00	\$ 10.00	\$ 800.00
Atterberg Limits (LL & PL)	EA	10.00	\$ 24.00	\$ 240.00	25.00	250.00	\$125.00	1,250.00	\$95.00	\$ 950.00	\$ 125.00	\$ 1,250.00	\$ 90.00	\$ 900.00
Combined Hydrometer & Sieve Analysis	EA	10.00	\$ 54.00	\$ 540.00	55.00	550.00	\$240.00	2,400.00	\$190.00	\$ 1,900.00	\$ 150.00	\$ 1,500.00	\$ 150.00	\$ 1,500.00
Sieve Analysis (washed)	EA	4.00	\$ 44.00	\$ 176.00	45.00	180.00	\$120.00	480.00	\$100.00	\$ 400.00	\$ 150.00	\$ 600.00	\$ 55.00	\$ 220.00
Unconfined Compression	EA	10.00	\$ 10.00	\$ 100.00	10.00	100.00	\$100.00	1,000.00	\$2.00	\$ 20.00	\$ 75.00	\$ 750.00		\$ -
Density Determination	EA	4.00	\$ 5.00	\$ 20.00	5.00	20.00	\$45.00	180.00	\$15.00	\$ 60.00	\$ 75.00	\$ 300.00	\$ 40.00	\$ 160.00
Unconsolidated - Underdrain Triaxial Test (ASTM D 2850)	EA	5.00	\$ 75.00	\$ 375.00	70.00	350.00	\$600.00	3,000.00	\$350.00	\$ 1,750.00	\$ 550.00	\$ 2,750.00	\$ 550.00	\$ 2,750.00
PREPARE LABORATORY SUMMARY REPORT				\$ -						\$ -		\$ -		\$ -
GEOTECH TOTALS				\$ 11,524.00		\$ 11,170.00		\$ 20,385.00		\$ 18,435.00		\$ 23,335.00		\$ 16,830.00
CONSTRUCTION MATERIAL TESTING														
Laboratory Testing Services:														
Compression Testing of PCC Cylinders per ASTM procedures	EA	120.00	\$ 15.50	\$ 1,860.00	\$ 16.00	\$ 1,920.00	\$ 17.00	\$ 2,040.00	\$ 17.00	\$ 2,040.00	\$ 18.00	\$ 2,160.00	\$ 21.00	\$ 2,520.00
Cylinder Pick-up	EA	20.00	\$ 75.00	\$ 1,500.00	\$ 80.00	\$ 1,600.00	\$ 98.00	\$ 1,960.00	\$ 90.00	\$ 1,800.00	\$ 60.00	\$ 1,200.00	\$ 40.00	\$ 800.00
Maximum Theoretical Specific Gravity	EA	30.00	\$ 88.00	\$ 2,640.00	\$ 90.00	\$ 2,700.00	\$ 75.00	\$ 2,250.00	\$ 80.00	\$ 2,400.00	\$ 100.00	\$ 3,000.00	\$ 230.00	\$ 6,900.00
Bulk Specific Gravity	EA	30.00	\$ 79.00	\$ 2,370.00	\$ 80.00	\$ 2,400.00	\$ 50.00	\$ 1,500.00	\$ 60.00	\$ 1,800.00	\$ 125.00	\$ 3,750.00	\$ 230.00	\$ 6,900.00
Ignition Oven Test	EA	25.00	\$ 74.00	\$ 1,850.00	\$ 75.00	\$ 1,875.00	\$ 75.00	\$ 1,875.00	\$ 150.00	\$ 3,750.00	\$ 200.00	\$ 5,000.00	\$ 210.00	\$ 5,250.00
Core Thickness & Density Determination	EA	40.00	\$ 19.00	\$ 760.00	\$ 20.00	\$ 800.00	\$ 55.00	\$ 2,200.00	\$ 45.00	\$ 1,800.00	\$ 65.00	\$ 2,600.00	\$ 40.00	\$ 1,600.00
Sieve Analysis	EA	15.00	\$ 44.00	\$ 660.00	\$ 45.00	\$ 675.00	\$ 120.00	\$ 1,800.00	\$ 100.00	\$ 1,500.00	\$ 150.00	\$ 2,250.00	\$ 110.00	\$ 1,650.00
										\$ -		\$ -		\$ -
Field Testing:														
										\$ -		\$ -		\$ -
Technician (on Site for PCC and HMA)	HR	235.00	\$ 81.00	\$ 19,035.00	\$ 84.00	\$ 19,740.00	\$ 98.00	\$ 23,030.00	\$ 110.00	\$ 25,850.00	\$ 95.00	\$ 22,325.00	\$ 102.00	\$ 23,970.00
										\$ -		\$ -		\$ -
Engineering Services														
Project Engineer	HR	20.00	\$ 79.00	\$ 1,580.00	\$ 80.00	\$ 1,600.00	\$ 113.00	\$ 2,260.00	\$ 115.00	\$ 2,300.00	\$ 90.00	\$ 1,800.00	\$ 110.00	\$ 2,200.00
										\$ -		\$ -		\$ -
TESTING TOTALS				\$ 32,255.00		\$ 33,310.00		\$ 38,915.00		\$ 43,240.00		\$ 44,085.00		\$ 51,790.00
COMBINED TOTALS				\$ 43,779.00		\$ 44,480.00		\$ 59,300.00		\$ 61,675.00		\$ 67,420.00		\$ 68,620.00



Certified MBE/DBE Firm

Geotechnical Services • Construction Materials Testing

Main Office:

Plainfield, IL

NASHnal Soil Testing, LLC
23856 W. Andrew Road, Unit 103
Plainfield, IL 60585
Phone No. 630-780-5201
Fax No. 630-429-9099
Contact: Umar T. Ahmad, PE
Email: uahmad@nstengr.com

Branch Offices

Springfield, IL

NASHnal Soil Testing, LLC
2856 11th Street, Unit F
Springfield, IL-62703
Phone No. 217-816-1326
Fax No. 630-429-9099
Contact: Umar T. Ahmad, PE
Email: uahmad@nstengr.com

Union Grove, WI

NASHnal Soil Testing, LLC
20715 Durand Avenue, Unit G
Union Grove, WI-55182
Phone No. 262-864-1773
Fax No. 630-429-9099
Contact: Umar T. Ahmad, PE
Email: uahmad@nstengr.com

**City of Geneva-Construction Material
Testing and Geotechnical Services**

Request for Proposal (RFP)

Submittal date: April 30, 2018 10:00AM CST



April 23, 2018

Mr. C. Elton Orozo
Civil Engineer
Geneva Public Works Department
22 South First Street
Geneva, IL-60134

Re: Request for Proposal (RFP)
2018 Construction Material Testing and Geotechnical Services

Dear Mr. Orozo,

NASHnal Soil Testing, LLC (NST) is pleased to submit our proposal for the above mentioned Contract. Our overall depth of experience and our qualifications are uniquely suited to performing the necessary services for this Contract. NST understands that the City of Geneva is planning to renovate various streets in addition to other street improvement projects throughout the city in the 2018-2019 fiscal year. And these projects will require construction inspection and material testing, subsurface exploration and geotechnical work. NST can provide the services required as specified in the RFP in a timely and professional manner and look forward to working with you in the coming years.

NST is a full service organization, which provides geotechnical investigation, construction inspection, and material testing services to clients in both the private and public sectors. Our Principals have over 26 years of combined experience in the related fields. NST has been providing subsurface soil investigations, construction inspection and material testing services to developers, contractors and public sector in multiple locations. NASHnal Soil Testing, LLC was started in 2010 in Naperville and now has additional offices in Springfield, IL and Union Grove, WI. Our engineers have professional Engineers certificates with IL, WI, MO, IN, TX.

NASHnal Soil Testing, LLC (NST) is accredited by **AASHTO/AMRL & CCRL**. NST is also certified by **US ARMY CORPS OF ENGINEERS (USACOE)**. Additionally, NST is a certified Disadvantage Business Enterprise (**DBE**) accepted by **IDOT, UPRR** and other governmental agencies. NST is Certified as minority business enterprise by the **City of Chicago &** accepted by **Cook County** and other Public agencies. NST is also certified by **SBA** under **8(a) BD** program (NAICS Codes 541330 & 541380) for all projects where federal funds are involved.

We are pre-qualified in Construction Inspection (Special Services), General Geotechnical Services and Structure Geotechnical Reports (SGR), Quality Assurance HMA & Aggregates (Special Services) and Quality Assurance PCC & Aggregates(Special Services)

NASHnal Soil Testing, LLC understands the importance of carrying out the required engineering services along with providing a safe and functional construction work zone for all parties involved. We understand the challenges such as traffic maintenance, environmental constraints, budget constraints schedule constraints and design challenges. Regardless of the project size or scope, we provide skilled and knowledgeable inspectors to assist our clients in managing risk in the construction project and in supporting their responsibility to the environment. In addition we understand the need to be proactive with the local businesses and residents to minimize disruptions and apprizing all of the construction sequencing.



Based on the project goals we have assembled a strong project team with extensive experiences in successful execution and delivery of similar projects. Our team will ensure the necessary capacity and support the required specializations for successful project delivery. We understand that the scope of the engineering service may include, but is not be limited to performing onsite inspections, review layout of contract including design changes, provide geotechnical inspection and testing, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with IDOT specifications

NST will perform all tasks associated with this project in accordance with the projects technical specifications and special provisions. The laboratory services will be performed by certified lab professionals. **The construction inspection services will be performed by certified Union field inspectors.** In addition, all wages will be paid in accordance with current **Prevailing Wage Act.** All laboratory testing and construction inspection services will be supervised by a registered professional Engineer. Please do not hesitate to call me if you have any questions whatsoever regarding this submittal.

Best Regards,

A handwritten signature in black ink, appearing to read 'Umar Ahmad', is written over a light blue horizontal line.

Umar Ahmad, P.E
NASHnal Soil Testing, LLC
23856 W. Andrews Road, Unit 103
Plainfield, IL-60585
Phone: (630) 780-5201
Email: uahmad@nstengr.com



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SECTION -I

ESTIMATE OF COST

NASHnal Soil Testing, LLC (NST) determines the fee by the actual amount of technical time that will be needed for the project and the total time expended for laboratory testing as requested by the client. For this cost estimate, quantities were provided by the City of Geneva for the purpose of preparing this proposal.

Construction Material Testing Services

Task	Units	# of Units	Unit Cost	Est. Cost
Laboratory Testing Services				
Compression Testing of PCC Cylinders per ASTM	Each	120	\$ 15.50	\$1,860.00
PCC Cylinder Pick Up	Set	20	\$ 75.00	\$1,500.00
Maximum Theoretical Specific Gravity	Each	30	\$ 88.00	\$2,640.00
Bulk Specific Gravity	Each	30	\$ 79.00	\$2,370.00
Ignition Oven Test	Each	25	\$ 74.00	\$1,850.00
Core Thickness & Density Determination	Each	40	\$ 19.00	\$760.00
Sieve Analysis (ASTM C 136)	Each	15	\$ 44.00	\$660.00
				\$11,640.00
Field Testing				
Engineering Technician Services (Regular Hours)	Each	235	\$ 81.00	\$19,035.00
				\$19,035.00
Engineering Services				
Project Engineer Hour	Hours	20	\$ 79.00	\$1,580.00
				\$1,580.00
Construction Material xservices Estimated Total				\$32,255.00

Geotechnical Engineering Services

Engineering Services				
Chief Engineer	Hours	6	\$ 89.00	\$534.00
Senior Engineer	Hours	6	\$ 89.00	\$534.00
Project Engineer	Hours	10	\$ 79.00	\$790.00
Staff Engineer	Hours	15	\$ 79.00	\$1,185.00
Engineering Technician	Hours	20	\$ 79.50	\$1,590.00
Sub Surface Exploration				
Mobilization	Each	2	\$600.00	\$1,200.00
Borings (5-10 feet deep) ASTM D1587	Feet	200	\$ 20.00	\$4,000.00
Laboratory Testing				
Moisture Content Test	Each	80	\$ 3.00	\$240.00
Atterberg Limits (LL & PL)	Each	10	\$ 24.00	\$240.00
Combined Hydrometer & Sieve Analysis	Each	10	\$ 54.00	\$540.00
Sieve Analysis (Washed)	Each	4	\$ 44.00	\$176.00
Unconfined Compression Test	Each	10	\$ 10.00	\$100.00
Density Determination	Each	4	\$ 5.00	\$20.00
Unconsolidated-underdrained Triaxial Test /pt	Each	5	\$ 75.00	\$375.00
Geotechnical Engineering Estimated Total				\$11,524.00

Estimated Total = \$43,779.00

SECTION -II



Approach to Service Delivery

- NASHnal Soil Testing, LLC understands the importance of carrying out the required engineering services along with providing a safe and functional construction work zone for all parties involved.
- NST understand the challenges such as traffic maintenance, environmental constraints, budget constraints schedule constraints and design challenges. Regardless of the project size or scope, we provide skilled and knowledgeable inspectors to assist our clients in managing risk in the construction project and in supporting their responsibility to the environment.
- NST understands the need to be proactive with the local businesses and residents to minimize disruptions and apprizing all of the construction sequencing.
- Based on the project goals NST have assembled a strong project team with extensive experiences in successful execution and delivery of similar projects.
- Our team will ensure the necessary capacity and support the required specializations for successful project delivery.
- We understand that the scope of the engineering service may include, but is not be limited to performing onsite inspections, review layout of contract including design changes, provide geotechnical inspection and testing, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with IDOT specifications.

SECTION -III



List of Current Accreditations

1. Pre-qualified in **Construction Inspection (Special Services)-IDOT**
2. Pre-qualified in **General Geotechnical Services and Structure Geotechnical Reports (SGR)-IDOT**
3. Pre-qualified in **Quality Assurance HMA & Aggregates (Special Services)-IDOT**
4. Pre-qualified in **Quality Assurance PCC & Aggregates(Special Services)-IDOT**
5. **AASHTO/AMRL & CCRL** accredited Lab
6. **US ARMY CORPS OF ENGINEERS (USACOE)** certified Lab and Mobile Lab.
7. Certified Disadvantage Business Enterprise (**DBE**) accepted by **IDOT, UPRR** and other governmental agencies.
8. Minority Business Enterprise (**MBE**) by the **City of Chicago** & accepted by **Cook County** and other Public agencies.
9. Certified by **SBA** under **8(a) BD** program (NAICS Codes 541330 & 541380) for all projects where federal funds are involved.

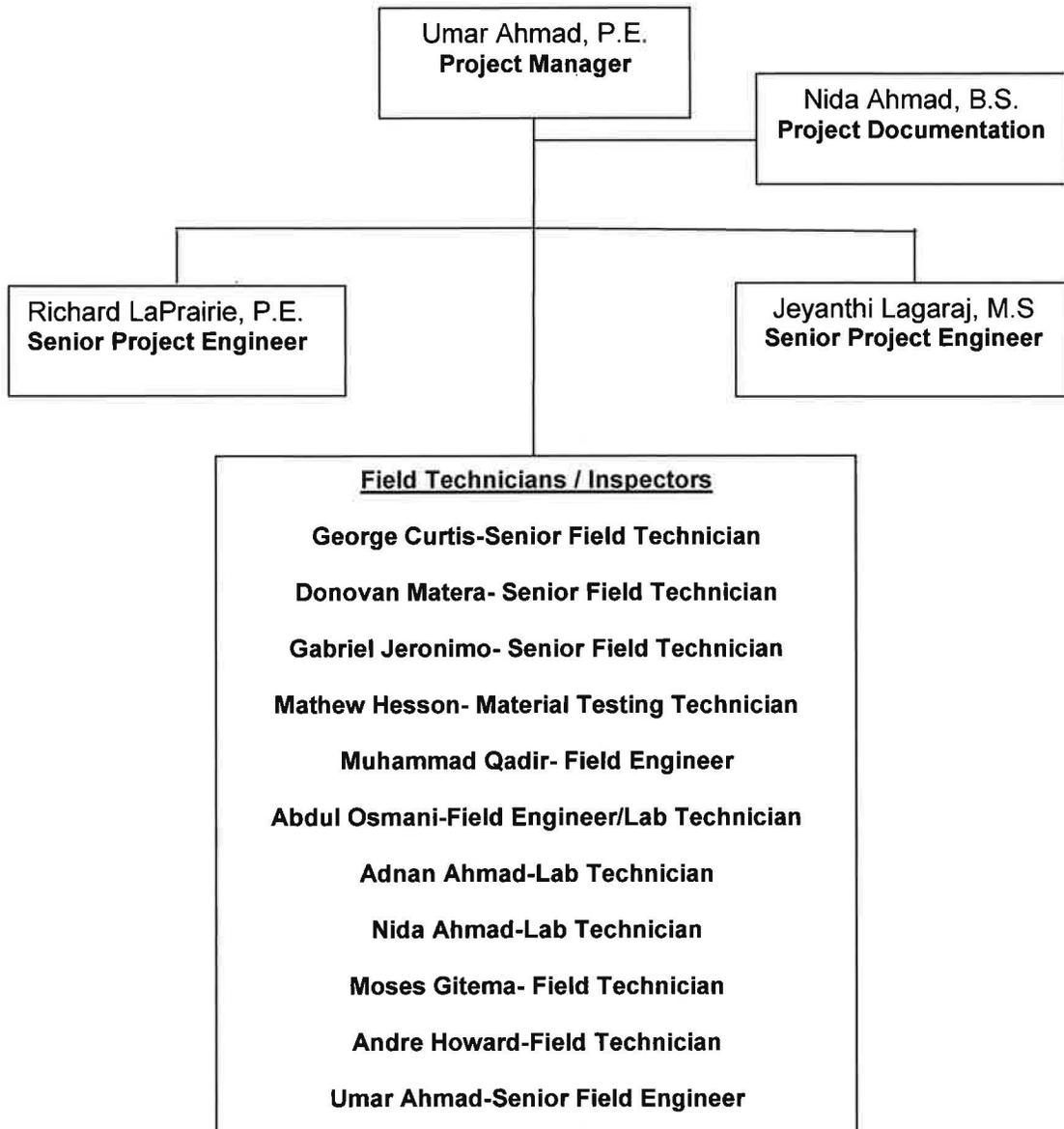


References

1. Client Name: R.T. Milord
Time Period: May 2014- June 2016
Contact Name: Michael Verburg
Contact Phone: (630) 561-7945
Contact Address: 9801 Industrial Drive, Bridgeview, IL 60455
Contact email: MVerBurg@milord.com
Project Description: UPRR High Speed Railroad Tier 3
Total Fee by Firm: \$280,000.00
Construction of 73 miles long High Speed Rail tracks for Union Pacific Railroad in Springfield and Lincoln and Reconstruction/Repair of Bridge Foundation and Sidewalks.
2. Client Name: Millstone Weber
Project Name: UPRR High Speed Railroad Tier 6 & 7
Project Address: Joliet to Dwight, IL
Time Period: July 2015- Current
Contact Name: Ryan Taylor
Contact Phone: (636) 949-0038
Contact Address: 601 Fountain Lakes Boulevard, Saint Charles MO 63301
Total Fee by Firm: \$300,000.00
Project Description: Construction of double track, road crossing, fence and structure improvements from MP37.6 to MP 73.0 between Joliet and Dwight, IL.
3. Client Name: Banner Development
Project Name: Northtown Storage Facility
Project Address: 6341 McCormick Blvd., Chicago, IL
Time Period: August 2016- July 2017
Contact Name: Joseph Dziekan
Contact Phone: (847) 656-5110
Contact Address: 500 Skokie Boulevard, Suite 600, Northbrook, IL 60062
Total Fee by Firm: \$100,000.00
Project Description: Climate Control six Story Storage Building and Parking Lots, Chicago, IL
Construction inspection and testing services for a six story Storage Building and associated Parking Lots construction.
4. Client Name: ASI-ECI Joint Venture
Project Name: Lockport Pool Rehabilitation Stage C
Project Address: Lockport, IL
Time Period: July 2015- September 2016
Contact Name: Sean Tomason
Contact Phone: (719) 248-3949
Contact Address: 1850 E. Paltteville Blvd., Pueblo West, CO-81007
Total Fee by Firm: \$390,000.00
Project Description: Construction of a 40 feet high and 1800 feet long dam using 780,000 cubic yards of roller compacted concrete (RCC).
5. Client Name: NY Investments
Project Name: Naperville Sports Complex
Project Address: Naperville, IL
Time Period: October 2014- September 2015
Contact Name: William Gust
Contact Phone: (312) 969-8382
Contact Address: 233 W. 63rd Street, Westmont, IL 60559
Total Fee by Firm: \$50,000.00
Project Description: Construction inspection testing services working as a Quality Assurance Consultant for the 100,000 square foot building and parking lots.

SECTION - IV

ORGANIZATION CHART



Umar T. Ahmad, P.E.

Chairman CEO / Lab Manager

University of Nevada-Reno, Ph. D. Candidate

University of Nevada-Reno, MSCE, 1992

University of Punjab-Lahore, Pakistan, MS, Applied Geology, 1986

University of Punjab-Lahore, Pakistan, BS, Applied Geology, 1985

Certifications

IDOT Documentation of Contract Quantities – 2019
IDOT Fundamentals of Storm Water Pollution and Erosion and Sediment Control-2014
IDOT Hot Mix Asphalt – Level I, Level II, Level III – 2008
IDOT PCC - Level I, Level II, Level III - 2008
IDOT S 33 Geotechnical Field Testing and Inspection Certification
IDOT – Mixture Aggregate - 2008
IDOT Bituminous Concrete Density Tester (QA/QC Density Tester)– 2008
IMIR's & ICORS Training
ACI Concrete Inspection & Testing Level I – 2022
ACI Concrete Strength Testing Technician – 2013
ACI Concrete Laboratory/Aggregate Testing Technician – 2017
Nuclear Density Gauge Safety – 2020
Certified Radiation Officer – 2008
Visual Weld Inspection Training – ASNT Level II
Ultrasonic Weld Inspection Training – ASNT Level II
Magnetic Particle Inspection Training – ASNT Level II
Penetrant Testing Training – ASNT Level II
Precast/Pre-stressed PCI Level I, Level II, & Level III – 2021
Certified Floor Profiler Using F.A.C.E. Equipment – Floor Flatness/Levelness

Missouri QC/QA Training: Bituminous Technician, Concrete Field, Concrete Strength, Superpave QA/QC

Professional Licenses

Licensed Professional Engineer:

Illinois # 062-055148

Wisconsin # 34833-6

Indiana # 10200276

Michigan # 6201048936

Missouri # 2011007467

Nevada #14560

Professional Societies

Illinois Society of Professional Engineers (ISPE),
Chicago Chapter – Past Vice President/Secretary
American Society of Civil Engineers (ASCE),
Geotechnical Group, Chicago Chapter – Past Chair
National Society of Professional Engineers (NSPE),
Member
American Council of Engineering Companies of
Illinois (ACEC) Member

Experience

2010 to Present (NASHnal Soil Testing, LLC – Chairman, CEO)

Exceptional, visionary leader with over twenty four years of technical, business, and leadership experience in public and private sectors with the ability to formulate, execute, and adjust the business strategy as needed.

2006 to 2010 (GSG Material Testing, Inc. - Vice President / Junior Partner)

Sole responsible of daily operations of the business. Supervised all office staff including licensed professional engineers, junior engineers, secretaries, laboratory staff and field technicians. Interview potential employees for recruiting and team building. Client interface and technical consultation. Started a New Material Testing laboratory, purchased all equipment, calibrated and installed, trained technician and received AMRL, CCRL along with IDOT HMA, Concrete and Soils certifications. Responsible for reviewing all QA/QC reports.

2003 to 2006 (H. H. Holmes Testing Laboratories, Inc. - Marketing & Field Engineering Director)

Marketing Director - Responsible for strategic business initiative and execution of the business plan to achieve growth, profitability and business integration within Chicagoland and neighboring states. Some of the current responsibilities are: Increasing market visibility; Obtaining new business and maintaining client relations; Negotiation and administration of contracts; **Field Engineering Director** - Supervise and manage material testing laboratory and multiple construction projects. Responsible for reviewing technical reporting (i.e. daily field investigation work), client consultation related to field problems, trouble shooting, quality assurance and quality control (QA/QC) during construction of public works and private projects. Review and prepare geotechnical exploration reports. Personally responsible for budget preparation of all the material testing projects and monitoring the budget as the project progresses. Oversee all the field engineers' work, especially during field testing and. Pre-Stressed/Pre-Cast plant inspection

2001 to 2003 (GME Consultants of Illinois, Inc. - Principal Engineer)

Consulting Engineer - Responsible for reviewing and updating the results of Subsurface exploration, Geotechnical data investigation and engineering studies for various design sections, report preparation and recommendations for design and construction. Pavement design, in accordance with IDOT, WisDOT and INDOT standards.

Supervise & Manage - Material testing laboratory and multiple construction projects. Responsible for reviewing daily field investigation reports, problem solving, quality assurance and quality control (QA/QC) during construction of public and private projects. Perform review of field engineer's work. Supervise group of field technicians, senior technicians and mentoring the young engineers.

1992 to 2001 (Pezonella Associates, Inc. - Senior Geotechnical Engineer)



NASHnal Soil Testing, LLC.

1707 Quincy Avenue, Unit 151

Naperville, IL 60540

314-587-5391

uahmad@nstengr.com

www.nstengr.com

Umar T. Ahmad, P.E.

Experience Continued

Started as junior engineer after college, promoted to project engineer, project manager and attained the highest rank as senior engineer at Pezonella Associates, Inc. Evaluation of bituminous and concrete material test results and cores to recommend mitigation as outlined by public works officials and other agencies for QA/QC. Enforcing adherence and verification of conformance to specification for general and public work's construction, which include site visit for contractors work evaluation and recommendations in case of discrepancy and problems in the field.

Specific Project Experience

I-355 Widening - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Tollway.

I-294 & I-90 Intersection, Patch repair work - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting to IDOT.

I-290 & I-94 Intersection, Patch repair work - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and asphalt, prior to submitting to IDOT.

I-88 Toll Plaza - Project Manager. Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data for concrete, prior to submitting to IDOT.

I-57 Manhattan-Monee Road Bridge Constructions - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for concrete, prior to submitting to IDOT.

Sheridan Road Reconstruction (Winnetka) - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and concrete, prior to submitting to IDOT.

Milwaukee Avenue & Harts Road Intersection (Niles), Reconstruction - Project Manager. Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to IDOT.

Emerson Avenue & Maple Avenue Intersection (Evanston) Reconstruction - Project Manager. Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to IDOT.

Cook Street & Ash Avenue (Wauconda), Reconstruction - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to IDOT.

O'Hare Runway 10C/28C East End Taxiway - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Contractor & OMP.

Various Chicago Public Schools, Chicago, IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Public Building Commission, Chicago.

Grand Warehouse, Northlake, IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data.

Great Lake Naval Station, Great Lakes, IL- Supervised material testing technicians and laboratory staff, and reviewed all field and lab data.

UPRR High Speed Rail Road-Tier II, Tier III, Tier IV and Tier VI (Various locations between Joliet & Springfield)- Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior.

Employment History

<u>Time Period</u>	<u>Company Name</u>	<u>Title/Position</u>
2010 to Present	NASHnal Soil Testing, LLC.	Chairman -CEO
2006 to 2010	GSG Material Testing, Inc.	Vice President / Junior Partner
2003 to 2006	H. H. Holmes Testing Laboratories, Inc.	Marketing & Field Engineering Director
2001 to 2003	GME Consultants of Illinois, Inc.	Principal Engineer
1992 to 2001	Pezonella Associates, Inc.	Senior Geotechnical Engineer



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23856 W. Andrew Rd., Unit 103

Plainfield, IL 60585

314-587-5391

uahmad@nstengr.com

Jeyanthi Logaraj

Senior Project Engineer/Lab Technician

Baylor University, Waco, TX, MS, Environmental Studies, 1996
University of Madras, Coimbatore, India, BS, Civil Engineering, 1986

Certifications

IDOT Documentation of Contract Quantities – 2019
IDOT Hot Mix Asphalt – Level I, Level II– 2012
IDOT PCC - Level I, Level II - 2012
IDOT S 33 Geotechnical Field Testing and Inspection Certification
IDOT – Mixture Aggregate - 2006
IDOT Bituminous Concrete Density Tester (QA/QC Density Tester)– 2006
IMIR's, ICORS & e-builder Training
ACI Concrete Inspection & Testing Level I – 2022
Nuclear Density Gauge Safety – 2020
NICET Soils Level I-2020
NICET Concrete Level I-2020
NICET Asphalt Level I-2020
ICC Spray Applied Fireproofing-2020

Professional Licenses

Experience

2014 to Present (NASHnal Soil Testing, LLC – Senior Project Engineer)

Supervise junior engineers, laboratory staff and field technicians. Involved in Lab equipment calibration and Lab certification. Trained field and lab technicians for the projects. The scope of the services includes contractor oversight, contract document review along with soils, asphalt, concrete and reinforcing steel inspections.

2009 to 2014 (GSG Material Testing, Inc. – Project Manager)

Responsible of daily scheduling and managing field technicians. Supervised office staff including junior engineers, secretaries, laboratory staff and field technicians. Interviewed potential employees for recruiting and team building. Involved with Lab equipment calibration and Lab certification. Trained field and lab technicians for the projects. Responsible for report writing, reviewing and submitting all QA/QC reports on IDOT and IMIRS reporting system. Prepared field technicians reports and sent them to clients within 24 hours via email. Managed the entire public and private projects within the proposed budget.

2000 to 2009 (Terracon Consultants, Inc. – Lab Technician, Project Manager/Environmental and Project Manager/Material Testing)

Lab Technician: Responsible for Lab equipment calibration and inspection. Worked on proficiency Samples.

Environmental Scientist: Responsible for Environmental Phase I assessment and report preparation.

Material Testing Project Manager: - Supervise and manage material testing laboratory technicians and field technicians. Responsible for reviewing technicians reports (i.e. daily field investigation work). quality assurance and quality control (QA/QC) during construction of public works and private projects. Review and prepare geotechnical exploration reports. Personally responsible for budget preparation of all the material testing projects and monitoring the budget as the project progresses. Oversee all the field engineers' work, especially during field testing and. Pre-Stressed/Pre-Cast plant inspection

1997 to 2009 (City of Waco Water Department-Environmental Inspector)

Responsible for developing a bench scale study on Powdered Activated Carbon Treatment a mandatory research for EPA which saved the city more than \$100,000.00. Responsible for controlling the quality of Waco's drinking water within the safe limits.



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jlogaraj@nstengr.com

Jeyanthi Logaraj

Experience Continued

Specific Project Experience

I-355 and I-88 Intermittent Concrete Pavement - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Tollway.

I-294 & I-90 Jane Addams Memorial Tollway-Multiple Clients, Rockford - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for concrete and bituminous asphalt and submitted to IDOT and Tollway.

I-88 & I 294 - Project Manager. Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data for concrete and asphalt, prior to submitting to IDOT.

I-294 Tristate Tollway-Road and Bridge Constructions - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for concrete, prior to submitting to Tollway.

I-355 Expansion, Joliet - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and concrete, prior to submitting to IDOT.

Randall Road Widening, Elgin, IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and concrete, prior to submitting to IDOT.

UPRR Bridge Construction, West Chicago - Project Manager. Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data.

Various Chicago Public Schools, Chicago, IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Public Building Commission, Chicago.

Siemens Winergy Project, Elgin, IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data.

Various CTA-Red Line Projects, Chicago, IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to the client.

Various Commercial Building Projects (Walmart, Lowes and Walgreens), IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to the client.

Employment History

<u>Time Period</u>	<u>Company Name</u>	<u>Title/Position</u>
2014 to Present	NASHnal Soil Testing, LLC.	Senior Project Engineer
2009 to 2014	GSG Material Testing, Inc.	Project Manager
2000 to 2009	Terracon Consultants, Inc.	Project Manager
1996 to 1999	City of Waco	Environmental Inspector



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NASHnal Soil Testing, LLC.

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Naperville, IL 60540
630-780-5201

jlogaraj@nstengr.com

Abdul Majid Osmani

Osmania University, Hyderabad, India, BS, Civil Engineering, 1987

Field Engineer/Lab Technician

Certifications

IDOT Documentation of Contract Quantities
IDOT PCC - Level I
IDOT S 33 Geotechnical Field Testing and Inspection Certification
ACI Concrete Field Inspection & Testing Level I
Nuclear Density Gauge Safety

Experience

2017 to Present (NASHnal Soil Testing, LLC – Field Engineer/Lab Technician)

Involved in Lab testing, Lab equipment calibration and Lab certification. Trained field and lab technicians for the projects. The scope of the services includes contractor oversight, contract document review along with soils, asphalt, concrete and reinforcing steel inspections.

2016 to 2017 (ICCD, IL– Construction Manager)

Supervise and manage contractors working on new underground sewer drain & infiltration control system, grading of sub-base and base course and bituminous pavement parking lots, concrete sidewalks, driveways, curb & gutters, erosion control.

1998-2016 (Al-Shibel Engineering Consultants, Al-Sharooque and Al Harthi Consulting Engineers, Saudi Arabia. – Civil Engineer)

Responsible for planning, designing and creating architectural, structural, site, grading, elevation, sanitary, electrical, fire and alarm system drawings using AutoCAD for submission to City planning to obtain construction permits for high rise towers, residential and commercial buildings such as shopping malls and industrial complexes. Supervised technical, non-technical staff and contractors to ensure jobs were performed to specifications, designs and approved plans.

1987-1998 (Moghal Constructions-Civil Engineer)

Surveyed construction site, created conceptual and schematic plans of residential and commercial, single and multi-story buildings to obtain building permits. Prepared structural designs of numerous RCC residential and commercial complexes, college buildings and warehouse structures. Prepared detailed construction documents and shop drawings. Worked as resident engineer to manage project activities from concept to completion. Conducted audits to ensure adherence to quality and safety norms across the entire course of project execution.

Employment History

<u>Time Period</u>	<u>Company Name</u>	<u>Title/Position</u>
2017 to Present	NASHnal Soil Testing, LLC.	Field Engineer/Lab Technician
2016 to 2017	ICCD	Construction Manager
1998 to 2016	Al-Shibal Consultants	Civil Engineer
1987 to 1998	Moghal Constructions	Civil Engineer



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Douglas C. Diefenthal, P.E.

Senior Project Engineer

Master of Science in Civil Engineering
Northwestern University, Evanston, IL, 1978

Bachelor of Science in Civil Engineering
Rose Human Institute of Technology, Terre Haute, IN, 1971

Certifications

Repair and Strengthening of Concrete ACI, 2004
Phase II Environmental Site Assessment, ASTM, 2003
Hazardous Waste Management, University of Toledo, 1980
Deep Foundations, Boston, 2005
Phase I, II ASTM, Phoenix, AZ, 2008
ASCE Geotechnical Lecture Series 2000 thru 2012

Professional Licenses

Registered Professional Engineer:
Illinois # 062-037189
Wisconsin # 28879-006
Indiana # 19900659
Michigan # 6201028308
Ohio # 64564
Texas #102832

Professional Societies

American Society of Civil Engineers (ASCE),
Association of Engineering Geologists
National Groundwater Association
National Society of Professional Engineers
American Concrete Institute
American Public Works Association
National Drilling Contractors
National Well Water Associates

Specific Project Experience

Bliss/ Wheeler at IL 47 Improvements, Sugar Grove, IL, - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting reports.

Culvert Project, IL Rte 59 North of Petite Lake Road, Lake Villa, IL- Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting reports.

Sheridan Master Homeowners Association Slope Steability- Project Manager. Determined overall slope failure potential (global slope stability) of the north and south ravine slopes of the Scott Loop Ravine at the 8 defined critical sections. Remedial recommendations were made for increasing slope stability including drainage system improvements.

267 Northgate Parkway Condominiums, 5 Story Building, Wheeling, IL, - Project Manager. Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting to reports.

Integrated Facilities Solutions, Northwestern Healthcare Radio Surgery Room, Evanston, IL,- Project Manager. Supervised Geotechnical and material testing technicians and laboratory staff, and reviewed all field and lab data for soils and asphalt.

Alder Planetarium Addition, Chicago, IL - Project Manager. Analysis and report preparation of sub surface exploration for the Planetarium Addition.

Guri Embankment Dam Slope Stability Analysis - Project Manager. The Guri embankment dam is the 8th largest by volume earth, rock fill and concrete embankment dam. Slope stability analysis using Modified Bishop's method were performed and steady state seepage, end on construction, rapid draw down, and seismic analysis in Chicago resulting dam design slope configurations. One three month period was spent in Venezuela in Caracas and on site assisting in design. In Chicago seepage analyses were performed along with settlement and core cracking studies.

Uribante Caparo Embankment Dam Material Exploration- Project Manager. A three month period was spent in the Venezuela Andes performing materials exploration for prosed embankment dam sites.

Employment History

<u>Time Period</u>	<u>Company Name</u>	<u>Title/Position</u>
2015 to Present	NASHnal Soil Testing, LLC.	Senior Project Engineer
2014 to 2015	H. H. Holmes Testing Laboratories, Inc.	Principal Engineer
2001 to 2014	Testing Service Corporation	Principal Engineer



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Gabriel Jeronimo

Field Technician

James H. Bowen High School – Chicago, IL 1998

Certifications

Soil & Bituminous Concrete Density Tester (QA/QC Density Tester) – Renewed 2015
ACI Concrete Inspection & Testing Level I – 2012
Nuclear Density Gauge Safety – 2015
High Strength Bolting of Steel Structure – 2011
Certified Floor Profiler Using F.A.C.E. Equipment – Floor Flatness/Levelness
OSHA – 10 Hours OSHA safety Training - 2009

Professional Licenses

Professional Societies

Specific Project Experience

Laraway Landfill – *Field Technician*. Material testing of soil backfill and prepared reports of all daily field data collected prior to submitting to the client.

Enbridge Tank Facility - Material testing of soil backfill & concrete placement Inspection testing and prepared reports of all daily field data collected prior to submitting to the client.

BP – Whiting, IN - Material testing of soil backfill, concrete placement and testing and prepared reports of all daily field data collected prior to submitting to the client.

Employment History

<u>Time Period</u>	<u>Company Name</u>	<u>Title/Position</u>
2015 to Present	NASHnal Soil Testing, LLC.	Material Testing Technician
2007 to 2014	DLZ, Inc	Material Testing Technician
1998 to 2007	Infinity Intermodal	Fabrication Technician



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SECTION - V



Related Experience of Firm

Project Title:	Naperville Township Street Improvements	Time Period:	May 2017
Location of the Project:	Various Streets throughout Naperville Township	Period of Firm's Involvement:	May 2017
Total Dollar Value of the Project:	\$	Total Fee by Firm:	\$ 10,000
Key personnel involved:		Role	
Name			
Umar T. Ahmad, P.E.		Project Director	
Pankaj Patel		Field Technician	
Umar T. Ahmad		Project Engineer	
Role of the Firm:		Reference Information:	
The provision of all on-site construction material quality control services for Phase III including, pavement marking installation and material testing.		Name of Client:	Brothers Asphalt
		Contact Person:	Jeffrey J. Cuttone
		Title:	Project Manager
		Address:	315 S. Stewart Avenue Addison, IL 60101
		Telephone No.:	630-458-1762
		E-Mail	jeff@brothersasphaltpaving.com

Brief Description of the Project:

Principals and key employees of NST provided supervision, construction inspection and material testing for the Naperville Township Street Improvement project in Naperville, IL. Our scope of services included the following:

- Provided Construction Quality Control Plan to City of Naperville on behalf of Brothers Asphalt, Inc.
- Observation and Documentation of daily work activities by the contractor with regard to materials QA and for compliance with the contract documents and IDOT Standards.
- Performed inspection of asphalt placement, and performed density testing during asphalt placement



Lockport Pool Rehabilitation Stage C, Lockport, IL

Project Title:	Lockport Pool Rehabilitation Stage C.	Time Period:	June 2015– June 2017
Location of the Project:	2400 S. Powerhouse Drive, Lockport, IL	Period of Firm's Involvement:	June 2015– Current
Total Dollar Value of the Project:	\$ 700,000,000	Total Fee by Firm:	\$ 450,000.00
Key personnel involved:		Role	
Name			
Umar T. Ahmad, P.E.		Project Director	
Gabriel Jeronimo, Ayhab Alhashmi		Field Technician	
Umar T. Ahmad		Project Engineer	
Role of the Firm:		Reference Information:	
The provision of all on-site construction material quality control services, including soils, Roller Compacted Concrete (RCC), Concrete and Soil Compaction		Name of Client:	ASI-ECI Joint Venture.
		Contact Person:	Jordan Dutoi
		Title:	Project Manager
			ASI Construction
			1850 E. Platteville Blvd.
		Address:	Pueblo West, CO-81007
		Telephone No.:	(719) 248-1715
		E-Mail	jdutoi@asiconstructors.com

Lockport Pool Rehabilitation Stage C, Lockport, IL

Construction of a 40 feet high and 1800 feet long DAM constructed using 780,000 cubic yards of Roller Compacted Concrete (RCC). Concrete was placed 24 hours a day by using large dump trucks and an onsite plant to produce RCC mix. RCC mix was designed in NST laboratory in Naperville. Construction started by building a level pad using dental concrete on and in between rock outcrop prior to the start of RCC placement.



Construction Material Testing Services of Soils, Grout, Roller Compacted Concrete (RCC) and Regular Concrete Testing.

- Provided Observation and testing during the placement of Roller Compacted Concrete and regular concrete by Making RCC Cylinders using vibration techniques and VeBe Equipment. Regular Concrete for Piles was tested using traditional standard methods of slump, entrained air & temperature. Cylinders were made to be tested at 7 & 28 days.
- RCC Cylinders were made using vibratory machines and VeBe equipment while compaction of RCC was tested using Nuclear Density Gauge. RCC Mix Design was also produced in NST laboratory with Tatrohind Consulting.
- Supervised construction Inspection and materials testing staff, both in the field and testing laboratory to ensure compliance with contract specifications.
- Reviewed soils, and concrete field and lab reports and submitted data in the required format for Army Corp of Engineers. Approximate construction cost of this project is \$700 million dollars.

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Emerson Airport Road, Girard, IL

Project Title:	Emerson Airport Road-Soil-Cement Stabilization and Mix Design for Macoupin County	Time Period:	August 2016– October 2016
Location of the Project:	Girard, IL	Period of Firm's Involvement:	August 2016– October 2016
Total Dollar Value of the Project:	\$	Total Fee by Firm:	\$ 61,000
Key personnel involved:		Role	
Name			
Umar T. Ahmad, P.E.		Project Director	
Jason Worker, Alex Trost		Field Technicians	
Douglas Diefenthal, Jeyanthi Logaraj		Project Engineers	
Role of the Firm:		Reference Information:	
The provision of soil-cement stabilization and Mix design using freeze-Thaw and Wet-Dry methods. Collected samples from 24 locations. Performed Mix Design Laboratory study. Lab tests consisted of full gradation, Atterberg Limits, Proctors, molding of compressive strength test cylinders with different cement contents		Name of Client:	Macoupin County
		Contact Person:	Dale Watson
		Title:	Project Manager
		Address:	Macoupin County Girard, IL
		Telephone No.:	618-401-4561
		E-Mail	Dale.watson@macoupincountyil.gov

Our services were to perform the stabilization study and determine the optimum soil-cement mix in the lab, compaction testing of stabilized soils along with molding of soil-cement concrete specimens in the field and laboratory services to provide concrete compressive strength.



In order to design the required cement ratio of the soil-cement mix, 24 samples of existing roadway material were obtained by NST. These material consisted of existing asphalt mixed with existing base material. Standard Proctor tests were performed to determine the maximum dry density, optimum moisture content of these materials when manipulated with varying cement contents. Additionally, Gradations and Atterberg Limit (Plasticity Index) tests were performed to determine the soil classification present in the roadway material. These testing revealed the soils classifications present in the roadbed base course, A-2-4, A-1-a & A-2-6A.

All samples were subject to extensive, laboratory controlled testing and data were recorded and analyzed according to ASTM Standards. Both Wet-Dry and Freeze-Thaw methods were performed per ASTM D559 and ASTM D560 respectively. The mix design requirement was to establish the cement content necessary to have a minimum unconfined compressive strength of 500 psi (3447 kpa) at 7 days. Submitted a final report with the soil-cement mix design, field-laboratory procedure and results for the all three test series.

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Union Pacific High Speed Rail Road-Tier III

Project Title:	Union Pacific High Speed Rail Road-Tier III	Time Period:	May 2014– May 2017
Location of the Project:	Various Locations, Springfield, IL	Period of Firm's Involvement:	May 2014 – May 2017
Total Dollar Value of the Project:	\$ 200,000,000	Total Fee by Firm:	\$ 650,000
Key personnel involved:			
Name		Role	
Umar T. Ahmad, P.E.		Project Director	
Moses Gitema, Rob McEvoy, Matt Hesson		Field Technicians	
Jeyanthi Logaraj		Project Engineer	
Role of the Firm:		Reference Information:	
The provision of all on-site construction material quality control services, including soil, asphalt and concrete inspection.		Name of Client:	R.T. Milord Company
		Contact Person:	John Alterie
		Title:	Project Manager
			RT Milord Company
			9801 Industrial Drive
		Address:	Bridgeview, IL 60455
		Telephone No.:	888-664-5673
	E-Mail	jalterie@milord.com	

High Speed Railroad (UPRR) Tier 3, Lincoln, Springfield, IL

Construction of 73 miles long High Speed Rail tracks for Union Pacific Railroad. NST has been involved with the start of the construction of Rail tracks with the construction of the siding and base with soil prior to placement of sub-ballast and ballast. Reconstruction of Four Bridges by removing and replacing all steel and reconstruction/Repair of Bridge foundation and columns.

Construction Material Testing Services of Soils, Asphalt and Concrete Testing. NST provided Observation and testing during the placement of soils and concrete. Compaction testing of soils using Nuclear Gauge and Concrete Testing and Inspection prior to the placement for various structures, bridges and foundations etc. Our services were to determine the suitability of in-place and imported soils, compaction testing of soils along with the concrete field inspection and laboratory services to provide concrete compressive strength and gradation analysis.

Approximate construction cost of this project is \$200 million dollars. Supervised construction Inspection and materials testing staff, both in the field and testing laboratory to ensure compliance with contract specifications. Reviewed soils, bituminous, and concrete field and lab reports and submitted data in the required format.





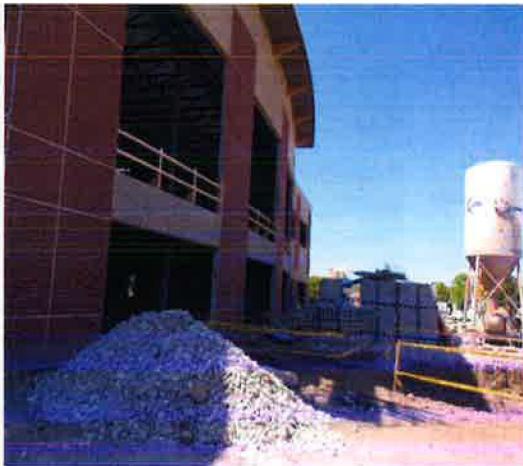
Naperville Sports Complex, Naperville, IL

Project Title: Naperville Sports Complex	Time Period: October 2014– September 2015
Location of the Project: 1611 Legacy Circle, Naperville, IL	Period of Firm's Involvement: October 2014– September 2015
Total Dollar Value of the Project: \$ 1,000,000	Total Fee by Firm: \$ 120,000.00
Key personnel involved:	
Name	Role
Umar T. Ahmad, P.E.	Project Director
Ayhab Alhashmi	Field Technician
Jeyanthi Logaraj	Project Engineer
Role of the Firm:	Reference Information:
The provision of all on-site construction material quality control services, including soils, Reinforcing Steel, Concrete, Asphalt and Fireproofing	Name of Client: NY Investments.
	Contact Person: William Gust
	Title: Project Manager
	Address: NY Investments 233 W. 63 rd Street, Westmont, IL 60559
	Telephone No.: (312) 969-8382
	E-Mail: William.gust@comcast.net

Naperville Sports Complex, Naperville, IL

NST has provided the construction inspection and testing services working as a Quality Assurance consultant for this 100,000 square foot building.

NST representatives tested the soil and asphalt compaction along with testing the concrete for slump, entrained air and temperature along with making representative samples.



Construction Material Testing Services of Soils, Asphalt, Concrete Testing and Fireproofing and Fire Protection: Our services were to determine the suitability of in-place and imported soils, compaction testing of soils and bituminous materials along with the concrete field inspection and laboratory services to provide concrete compressive strength and gradation analysis. Provided Observation and testing during the placement of soils, concrete, asphalt and Spray Applied Fire Resistive Material (SFRM) thickness, density and bond testing.

Supervised construction Inspection and materials testing staff, both in the field and testing laboratory to ensure compliance with contract specifications. Reviewed soils, bituminous, and concrete field and lab reports and submitted data in the required format.

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SECTION - IV

NASHnal Soil Testing, LLC
SCHEDULE OF FEES
2018

SOIL TESTING			
LABORATORY TESTS	ASTM	UNIT	PRICE
Moisture-Density Relationship			
Standard Proctor (Cohesive Soils)	D698	Ea	\$195.00
Modified Proctor (Cohesive Soils)	D1557	Ea	\$220.00
Aggregate Samples	D1883	Add	\$52.00
Material Characterization & Strength			
Sample Extrusion from Shelby Tubes		Ea	\$18.00
Visual Classifications	D2488	Ea	\$10.00
Atterberg Limits	D4318	Ea	\$24.00
Washed Sieve Analysis (includes % finer than No. 200)	C117	Ea	\$44.00
Grain Size Analysis			
Sieve Analysis with Hydrometer	D423	Ea	\$54.00
Unconfined Compressive Strength of Soil		Ea	\$10.00
Moisture Content	D2216	Ea	\$3.00
Unit Weight/Density Determination	D2937	Ea	\$5.00
Unconsolidated, undrained (UU) per point	D2850	Ea	\$75.00
FIELD SERVICES			
Compaction Control	D2922	Hr	\$79.50
Compaction Control - Over time	D2922	Hr	\$119.25
Nuclear Density Equipment	D1556	Day	\$65.00
Sand Cone Equipment	D2937	Day	\$45.00
Engineering Services			
Chief Engineer		Hr	\$89.00
Senior Engineer		Hr	\$89.00
Project Engineer		Hr	\$79.00
Staff Engineer		Hr	\$79.00
Engineering Technician		Hr	\$79.50
Engineering Technician - Overtime		Hr	\$119.25
Drilling			
Mobilization		Each	\$600.00
Drilling		Ft	\$20.00
Drilling-Overtime		Ft	\$30.00

NASHnal Soil Testing, LLC
 SCHEDULE OF FEES
 2018

CONCRETE TESTING			
Field Inspection		Hr	\$81.00
Field Inspection Over time		Hr	\$121.50
Transportation		Mile	\$0.69
Small Equipment Rental		Day	\$45.00
LABORATORY TESTS	ASTM	UNIT	PRICE
Comprehensive Strength			
6" x 12" & 4" x 8" cylinder	C39	Ea	\$15.50
Cured cylinder, not tested		Ea	\$15.50
Cylinder Pickup		Set	\$75.00
Saw cut cylinders		Ea	\$30.00
Cylinder Molds		Ea	\$2.00
Coring (\$350 minimum)			
Field Testing		Hr	\$81.00
Field Testing-OT		Hr	\$121.50
Equipment Rental		Day	\$250.00
Floor Flatness			
Field Testing		Hr	\$86.00
Equipment Rental		Day	\$250.00

**NASHnal Soil Testing, LLC
SCHEDULE OF FEES
2018**

ASPHALTIC/BITUMINOUS CONCRETE TESTING			
Field Inspection		Hr	\$81.50
Field Inspection-OT		Hr	\$121.50
Transportation		Mile	\$0.69
Nuclear Gauge Rental		Day	\$45.00
LABORATORY TESTS	ASTM	UNIT	PRICE
Asphalt Content by Ignition Method	D6307	Ea	\$74.00
Bulk Specific Gravity (AASHTO T166)	D2726	Ea	\$79.00
Maximum Theoretical Specific Gravity		Ea	\$88.00
Core Thickness and Density (minimum 3)		Ea	\$19.00
Sieve Analysis	C136	Ea	\$44.00
FIELD SERVICES			
Coring (\$350.00 minimum)			
Field Sampling		Hr	\$81.50
Field Sampling - OT		Hr	\$121.50
Equipment Rental-Mobile Coring Machine		Day	\$250.00
Bit Wear		Inch	\$10.00



Authorization

We are submitting this proposal in electronic format for acceptance. When it is accepted, we ask that a copy be signed by an authorized representative of the party responsible for payment for these services, and that this signed copy be returned to us as our authorization to proceed.

ACCEPTANCE OF THIS PROPOSAL BY AUTHORIZED SIGNATURE, VERBAL AUTHORIZATION, OR ISSUANCE OF A PURCHASE ORDER, INDICATES THAT YOU UNDERSTAND AND ACCEPT THE TERMS AND CONDITIONS CONTAINED IN THIS PROPOSAL, INCLUDING THE GENERAL CONDITIONS.

ACCEPTED

DATE: May 21, 2018

FIRM City of Geneva, Illinois

AUTHORIZED NAME: Stephanie K. Dawkins
WHEN ACCEPTED PLEASE SIGN *THIS* COPY AND *RETURN* IT TO OUR *OFFICE*. THANK YOU.

(please print)
AUTHORIZED SIGNATURE: 

RETURN TO:
NASHnal Soil Testing, LLC
23856 W. Andrew Rd., Unit 103
Plainfield, IL 60585
Email: contact@nstengr.com
Cell.... 314-587-5391

