



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Construction Material Testing and Geotechnical Services		
Presenter & Title:	Richard Babica, Director of Public Works		
Date:	August 19, 2024		
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 -
Associated Strategic Plan Goal/Objective: EMS-2, QL-1			
Estimated Cost: \$33,442.50	Budgeted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Other Funding," please explain how the item will be funded:</i>			
Executive Summary:			
<p>Construction materials are tested for capital improvement projects for quality assurance. Geotechnical services are to determine the existing roadway cross sections for future projects and the testing of soils and spoils before disposal to remain compliant with current State regulations.</p> <p>Four (4) quotes were received and summarized in the attached table. Nashnal Soil Testing, LLC submitted the lowest responsible quote in the amount of \$33,442.50. They have done this type of work for the City of Geneva in the past and have performed satisfactorily</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Summary Table • Nashnal Proposal 			
Voting Requirements:			
<p><i>This motion requires a simple majority of affirmative votes for passage. (City Council Only)</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the alderpersons has resulted in a tie; (b) when one half of the alderpersons elected have voted in favor of an ordinance, resolution, or motion even though there is no tie vote; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
Recommendation / Suggested Action: <i>(how the item should be listed on agenda)</i>			
<p>Recommend Approval of Resolution Accepting Quote for Construction Material Testing and Geotechnical Services with Nashnal Soil Testing, LLC of Plainfield, IL in the amount not-to-exceed \$33,442.50.</p>			

RESOLUTION NO. 2024-82

**RESOLUTION AUTHORIZING EXECUTION OF
CONTRACT WITH NASHNAL SOIL TESTING LLC
FOR THE 2024 CONSTRUCTION MATERIAL TESTING AND
GEOTECHNICAL SERVICES**

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 2024 Construction Material Testing and Geotechnical Services with Nashnal Soil Testing, LLC as it relates to the testing of construction materials for quality assurance before construction materials are incorporated into City projects and proper placement during construction and the testing of soils and spoils to comply with State Regulations, in the form attached hereto as Exhibit “A”,

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 ____ day of _____, 2024

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

Approved by me this ____ day of _____, 2024.

Mayor

ATTEST:

City Clerk



2024 CONSTRUCTION MATERIAL TESTING AND GEOTECHNICAL SERVICES TABULATION OF PROPOSALS

DESCRIPTION	NASHnaI SOIL TEST.	CIVIL & ENVIRONMENTAL CONSULTANTS, INC. (CEC)	WANG ENGINEERING, INC. A TERRACON COMPANY	ESC MIDWEST, LLC
CONSTRUCTION MATERIAL TESTING	\$18,967.50	\$31,005.00	\$47,583.00	\$36,500.00
GEOTECHNICAL SERVICES	\$14,475.00	\$36,945.00	\$31,881.70	\$46,003.60
TOTALS	\$33,442.50	\$67,950.00	\$79,464.70	\$82,503.60

June 12, 2024

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

Re: Request for Proposal (RFP)
2024 Construction Material Testing and Geotechnical Services

Dear Mr. Orozco,

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 throughout the city between July 2024 and November 2024 for the 2024-2025 fiscal year. These projects will require approximately 5600 tons of HMA, 38, 700 sq. ft. of sidewalk and 8700 linear feet of curb construction inspection, material testing and geotechnical exploration. As NST has provided the required services for 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023 and 2023-2024 fiscal years, NST can once again 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 30+ years of combined experience in the related fields. NST has previous experience with the City of Geneva, City of Naperville, Village of Lisle, and various County projects within greater Chicago area. NST has been providing subsurface soil investigations, construction inspection and material testing services to developers, contractors, and the public sector in multiple locations. NASHnal Soil Testing, LLC was started in 2010 in Naperville. Our engineers have professional Engineers certificates with IL, WI, MI, MO, IN.

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 **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 the construction sequencing.

Based on the project goals we have assembled a strong project team with extensive experience 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 limited to performing onsite inspections, review layout of contract including design changes, provide environmental sampling 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 project's technical specifications and special provisions. The laboratory services will be performed by certified lab professionals. **The construction inspection and testing services will be performed by certified Union field inspectors.** In addition, all wages will be paid in accordance with the 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,



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

If the City of Geneva accepts this proposal, kindly sign and return to NST (uahmad@nstengr.com)

Dated _____.

Authorized Representative of City of Geneva

Task	Units	# of Units	Unit Cost	Est. Cost
Laboratory Testing Services				
Compression Testing of PCC Cylinders per ASTM	Each	50	\$ 17.85	\$892.50
PCC Cylinder Pick Up	Set	15	\$ 85.00	\$1,275.00
Maximum Theoretical Specific Gravity	Each	4	\$ 80.00	\$320.00
Bulk Specific Gravity	Each	4	\$ 60.00	\$240.00
Gradation (Adphalt)	Each	3	\$ 45.00	\$135.00
Ignition Oven Test	Each	3	\$ 70.00	\$210.00
Core Thickness & Density Determination	Each	15	\$ 23.00	\$345.00
Sieve Analysis (ASTM C 136)	Each	5	\$ 50.00	\$250.00
				\$3,667.50
Field Testing				
Engineering Technician Services (Regular Hours)	Each	150	\$ 92.00	\$13,800.00
				\$13,800.00
Engineering Services				
Project Engineer Hour	Hours	15	\$ 100.00	\$1,500.00
				\$1,500.00
Construction Material Services Estimated Total				\$18,967.50
Geotechnical Engineering Services				
Engineering Services				
Chief Engineer	Hours	6	\$ 120.00	\$720.00
Senior Engineer	Hours	6	\$ 100.00	\$600.00
Project Engineer	Hours	10	\$ 100.00	\$1,000.00
Staff Engineer	Hours	15	\$ 92.00	\$1,380.00
Engineering Technician	Hours	20	\$ 92.00	\$1,840.00
Sub Surface Exploration				
Mobilization	Each	2	\$ 650.00	\$1,300.00
Borings (5 feet deep) ASTM D1587	Feet	100	\$ 22.00	\$2,200.00
Cores (2 feet)	Feet	60	\$ 30.00	\$1,800.00
Laboratory Testing				
Moisture Content Test	Each	70	\$ 3.00	\$210.00
Atterberg Limits (LL & PL)	Each	10	\$ 20.00	\$200.00
Combined Hydrometer & Sieve Analysis	Each	10	\$ 45.00	\$450.00
Sieve Analysis (Washed)	Each	4	\$ 45.00	\$180.00
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
Soil pH with LPC 662	Each	14	\$ 150.00	\$2,100.00
Geotechnical Engineering Estimated Total				\$14,475.00
Estimated Total				\$33,442.50