



Operating from its laboratory and head office in Mississauga, Ontario, Nasiruddin Engineering Limited (NEL) provides consulting engineering, project management, geotechnical investigation, environmental consulting, building science, condition survey, construction inspection/certification, Quality Verification Engineering (QVE) and materials testing including concrete, soil, aggregate and asphalt for public and private sector projects all with a strong focus on safety and client satisfaction.

The founder of the NEL team is **Mohammad Nasiruddin, P.Eng.**, designated by PEO as a Consulting Engineer and a Specialist in Construction Materials who's over **45 years** of experience includes work on more than **5,000 projects** of varying nature and magnitude including roads, highways, bridges and buildings for the federal and provincial government, municipalities, transit authorities, airport authorities and the private sector. Projects include numerous high-profile assignments such as the TTC Sheppard Subway, Highway 407 ETR, Toronto Pearson International Airport expansion and virtually every major highway in Ontario.

He is joined by **Shakeel Nasiruddin, P.Eng.**, **Ilyas Siddiqui, P.Eng.** and **Nehal Siddiqui, B.Eng., rcsi**, who are experienced in engineering design, construction, contract administration, inspection and testing. Together, they manage NEL's growing staff and have led teams of inspectors, lab personnel, designers, supervisors and administrators on many civil infrastructure projects throughout Ontario, the United States, the Middle East and South-East Asia. Through the portfolios of these personnel, NEL comes close to a **century of experience**.

Services offered by Nasiruddin Engineering Limited include, but are not limited to, the following:

#### Quality Verification Engineering

- ◆ Reinforcing Steel, Pre-cast Girders
- ◆ Piling and Caisson Foundations
- ◆ Roadway Protection Systems
- ◆ Soil and Rock Anchor Installation and Testing
- ◆ Cofferdams, Trestles, Sheet Piling
- ◆ Excavation Bases for structures, frost tapers
- ◆ Unwatering of Excavation Bases
- ◆ Structural Demolition
- ◆ Bridge Bearings, Pedestrian Handrail
- ◆ Bridge Expansion Joints, Water Test
- ◆ Falsework/Formwork/Scaffolding
- ◆ Highmast Pole and Sign Support Footings
- ◆ Shop Drawing Review

#### Building Science

- ◆ Roofing assessment
- ◆ Waterproofing assessment
- ◆ Restoration of parking structures and balconies
- ◆ Curtain walls
- ◆ Masonry
- ◆ Condition Surveys

#### Geotechnical, Geo-Environmental and Material Engineering

- ◆ Sub-surface soil investigation including design and construction recommendations
- ◆ Footing Inspections, Soil and Rock Anchors, Tie-backs
- ◆ Sub-grade Approval, Proof Roll, soil compaction and related testing
- ◆ Phase I, II & III Environmental Assessment, Record of Site Condition (RSC)
- ◆ Environmental remediation contract preparation, tendering, contractor bid analysis
- ◆ Flexible and rigid pavement design, investigation, evaluation and consulting including repair recommendations
- ◆ Manufacture and installation of pre-cast concrete members, tunnel liners, bridge components
- ◆ Pull-out testing, concrete overlay bond testing
- ◆ Coring for subsequent testing of asphalt and concrete specimens
- ◆ Asphalt Mix Design, on-site and production QA and QC Asphalt Testing
- ◆ Concrete Mix Design, on-site and production QA and QC Concrete Testing, concrete structure rehabilitation consulting
- ◆ Non-Destructive Testing (Schmidt Hammer)

Please contact Shakeel Nasiruddin at [shakeel@nasiruddineng.com](mailto:shakeel@nasiruddineng.com) to discuss how NEL can help on your next project.

*Consulting Engineering, Project Management, Geotechnical, Environmental, Building Science, Materials Testing,  
Construction Inspection, Quality Verification Engineering*  
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