

**Moideen Mathari, PE**

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**PROFESSIONAL SUMMARY**

A registered Professional Engineer with extensive international infrastructure experience involving construction engineering and management, geotechnical engineering, structural engineering, environmental engineering, quality control and quality assurance, construction material testing, and water/wastewater engineering. Managed projects at national and international levels which included feasibility evaluation, planning, designing, and construction management of tunnels, highways, buildings, bridges, airports, and pipelines. Areas of expertise include: analysis, design, and construction management of foundations, pavements, water/wastewater systems, retaining structures, and underground facilities; value engineering; quality control and quality assurance; structural distress evaluation and remediation of buildings, bridges, water/wastewater facilities, and pavements; geotechnical investigation, instrumentation, monitoring and reporting; and rehabilitation of constructed facilities. Earned reputation of the civil engineering industry through solving clients' infrastructure problems through careful analysis, alternative evaluation, and recommending optimum solutions. Distinguished for the thorough knowledge and understanding of ASTM, AASHTO, ACI, BS, DIN, FAA, AWWA, DOT codes, standards, and specifications and for excellent communication, interpersonal, and presentation skills.

**PROFESSIONAL EMPLOYMENT**

**SOMAT Engineering, Inc.**, Detroit, Michigan: Principal Engineer, 2003 to present

Management of infrastructure design and construction projects; quality assurance and review of designs and reports; development of specifications and special provisions; management of contractor's requests for information (RFIs); conduct technical presentations and workshops; management of SOMAT's design team including supervision and training; geotechnical investigation and reporting; project feasibility studies and value engineering; expert technical advice to SOMAT's Detroit, Taylor, and Grand Rapids offices in Michigan, Cleveland office in Ohio, and international offices in Bangalore and Mumbai, India.

Major Projects: Upper Rouge Tunnel CSO Control Project, Ambassador Gateway Project, Modified Detroit River Outfall No.2 (Mod DRO-2) Tunnel, Detroit River International Crossing (DRIC) Study, 24 Mile Road Water Main, Baby Creek CSO Control Facility, Garfield Relief Sewer and Septage Site, [Consumers Energy Company Ludington Pumped Storage Plant](#) Upper Reservoir Ramp, and As Needed Engineering Consultancy Services for the [Detroit Water & Sewerage Department](#), [Oakland County Water Resources Commissioner](#), [Northeast Ohio Regional Sewer District](#).

**NTH Consultants, Ltd.**, Detroit, Michigan: Project Manager, 1999 -2003

Project management; geotechnical investigation and reporting; cost estimation and alternative evaluation; design of Combined Sewer Overflow (CSO) control facilities such as basins, tunnels, treatment shafts, sewers, screening and disinfection facilities, and pump stations; preparation of project plans and basis of design reports; preparation of proposals, budget, contract amendments, change orders, specifications, and subcontract documents; project cash flow analysis and budget evaluation; identification of funding sources and management of grants and loans for clients; coordination with permitting authorities and other project stakeholders; presentation of project related information to clients, permitting authorities, and other key stakeholders.

Major projects: Dearborn CSO Control Program, Ford Field Bridge, City of Dearborn Storm water Management Program.

**URS Corporation**, San Francisco, California, Project Engineer, 1997-1999

Foundation analysis and design; geotechnical instrumentation and monitoring; construction monitoring; failure analysis; analysis and design of retaining structures, slopes, embankments, and underground facilities; design of soil improvement and dewatering procedures; preliminary evaluation of CSO control alternatives such as basins and rock/soft ground tunnels.

Major Projects: I-15 Corridor Reconstruction, [Detroit Wayne County International Airport](#), Chicago Joliet Road Failure Evaluation, Carr Reclamation Project.

[Rashid Geotechnical & Materials Engineers \(RGME\)](#), Saudi Arabia, Field Engineer, Project Engineer, Project Manager, Area Manager, 1982-1993

During the 11 year term with RGME, while progressing from Field Engineer position to the Area Manager of the firm, involved in hundreds of challenging civil engineering projects covering geotechnical engineering, environmental engineering, construction material testing, and quality control throughout the Middle East. Managed Eastern Province office of the company with over 180 personnel from 16 different countries. Area operations included marketing of consulting and contracting services, client development and maintenance, procurement of sub-consultant/subcontractor/vendor services, contract and budget negotiations, personnel management, hiring and training of engineers and technicians, and planning and execution of projects. The client list included [Saudi Aramco](#), [Petromin](#), [Bechtel](#), [Fluor](#), [KBR](#), [Parsons](#), [Royal Commission for Jubail & Yanbu](#), [Saudi Electricity Company](#), [Saudi Oger](#), Dragages et Travaux Publics (now [Bouygues](#)), Dywidag (now [Strabag](#)), [Hyundai Corporation](#), and hundreds of other private and public clients. The area office, started with less than ten staff members, grew to become one of the main revenue generating offices of the company.

Major Projects: [King Fahad International Airport](#), King Fahad Medical City, Various Royal Commission for Jubail & Yanbu Projects, Preliminary Investigation of Al Hawtah Oil Field, Al-Yamamah Palace Complex, Southern Area Oil and Gas Program, Safaniyah and Berri Oil Fields, Qunfudah and Adhum Hospitals, Pavement Management of 24 Civil Airports, Feasibility Study of 240 Mile Access Road to Shaybah Oil Field, Underground Oil Recovery System for the Jeddah Oil Refinery, Offshore Shark Screens for a Private Palace in Jeddah, and National Guards Housing Projects.

## EDUCATION

**M S E** Construction Engineering & Management, [University of Michigan](#), Ann Arbor (GPA: 8.1/9.0)  
**M S** Civil Engineering, [Michigan State University](#), East Lansing, (GPA: 4.0/4.0)  
**B Sc E** Civil Engineering, [National Institute of Technology, Calicut](#), India (GPA: 4.0/4.0)  
University First Rank: 1/180)

## PROFESSIONAL LICENCE AND MEMBERSHIP

Member: American Society of Civil Engineers ([ASCE](#))  
Member: American Institute Steel Construction ([AISC](#))  
Owner & Moderator: [American Society of Civil Engineers Group in LinkedIn](#) (More than 67,000 members)  
Professional Engineer (PE): Michigan

## COMPUTER PROFICIENCY

Skilled in Microsoft Word, Excel, Power Point, & Access with Visual Basic Macro applications, ACAD, MicroStation, Primavera, Microsoft Project, and other Engineering Analysis, Design, and Modeling software.

## LANGUAGES

English, Hindi, Urdu, Malayalam, Tamil, and Arabic

## CITIZENSHIP

US Citizen