



GNANADESIKAN (“RAM”) RAMANUJAM, P.E.
President – Somat Engineering, Inc.

Gnanadesikan (Ram) Ramanujam is President and CEO of Somat Engineering, Inc. a full-services infrastructure solution provider. As President and CEO, he is responsible for the leadership, planning, and strategic direction of Somat. As a Geotechnical Engineer licensed in four states, Ram also serves as the Principal Project Consultant on several large Water-Wastewater, Transportation/Heavy Highway, International and Regional Aviation projects.

He oversees work that involves emergency response and the attendant public relations. He has successfully managed teams of professionals, composed of people from within Somat and other consultants.

EDUCATION

MS Civil Engineering, 1989, Vanderbilt University, Nashville, Tennessee
BS Civil Engineering, 1986, Regional Engineering College, Trichy, India

EMPLOYMENT

1989 - Present Somat Engineering, Inc.

PROFESSIONAL REGISTRATIONS

Professional Engineer: Michigan (License No. 6201043311); Ohio (License No. 74102); Virginia (License No. 402053491); Maryland (License No. 45321)

PROFESSIONAL AFFILIATIONS

American Council of Engineering Companies – Michigan (ACEC/M), Board of Directors 2018 – 2022
American Society of Civil Engineers (ASCE) Member
The Conference of Minority Transportation Officials (COMTO) Member

AWARDS

2018 COMTO Michigan 2018 Private Firm Executive of the Year
2017 Joe Manns Black Wall Street Award from the BWI -Thurgood Marshall Airport

MAJOR PROJECT REFERENCES

Michigan Department of Transportation – Ambassador Gateway, Detroit, Michigan

Sr. Project Manager: Reconfiguring existing freeways, surface streets, utilities, bridges and retaining walls to accommodate improvements to the busiest border crossing between the United States of America and Canada. Prepared and reviewed specifications/special provisions and recommendations, and geotechnical investigation reports. Managed budget and coordinated the geotechnical field investigation and laboratory testing program.

Reconstruction of Runway 9L-22R and Associated Taxiways – Detroit Metropolitan Wayne County Airport (DTW), Romulus, Wayne County, Michigan

Sr. Project Manager: Responsible for oversight of geotechnical, environmental and construction engineering services for this project consisting of the design of the reconstruction of the existing runway pavement for 9L-27R and portions of taxiways V, H, and F, consisting of 9,000' runway and 7,500' of associated taxiways, as well as the reconstruction of Runway 3L-21R from the south portion of the intersection of Runway 9L-27R to the 3L end.

Detroit Water & Sewerage Department (DWSD) Contract No. CS-1513, As-Needed Environmental Services and Emergency Response, Detroit, Wayne County, Michigan

Principal Engineer: This \$3-million contract required Somat to provide As-Needed Environmental and Emergency Response Services to DWSD within their entire service area. Ram managed this contract for Somat and ensured that Somat responded 24/7 to any and all emergencies. He was responsible for negotiating budgets, and ensuring compliance with all regulatory agencies for the work performed, and QA/QC.

Detroit Department of Transportation Rosa Parks Transit Center

Detroit, Wayne County, Michigan

Sr. Project Manager: The Rosa Parks Transit Center project in downtown Detroit is iconic for multiple reasons - the person it is named for, its purpose (a multi-modal hub for local and international transit) and its architecture. Somat worked closely with the design engineer of record during the design of the center, as well as during its construction. Ram managed Somat's technical work, and navigated the intricacies of multiple agency interactions successfully

Gordie Howe International Bridge

Detroit, Wayne County, Michigan

Sr. Project Manager: Somat has been involved with this multi billion dollar international border crossing project between Detroit, Michigan, USA and Windsor, Ontario, Canada, from the study phase and is now working on the bridge during its construction. As Sr. Project Manager, Ram provided oversight of the geotechnical studies to evaluate and select the actual crossing location, managed the geotechnical investigations during the preliminary design, and is now responsible for geotechnical engineering and support during construction. Additionally, Somat is performing the Owner's Verification Testing (OVT) of the contractors work under Ram's guidance

PUBLICATIONS

Computation of Three-Dimensional Advection-Dominated Solute Transport in Saturated Aquifers: Final Report to United States Geological Survey; A. Koussis; D. Syriopoulou; G. Ramanujam; Nashville, TN: Dept. of Civil & Environmental Engineering, Vanderbilt University, 1989

Comparison of Two Splitting Algorithms for 2-D Modelling of Advection-Dominated Solute Transport in Groundwater; Gnanadesikan Ramanujam, Antonis D. Koussis; Advances in Water Resources, Volume 14, Issue 4, August 1991, Pages 183-191

