

# Mohamed Shawky

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Roads Technical Office Engineer

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## SUMMARY

Highly skilled Roads Technical Civil Engineer with 6 years of experience in project planning, construction management, Geotechnical Soil Improvement Methods, and quality control for large-scale infrastructure projects. Proficient in Autodesk Civil 3D and Microsoft Excel. Committed to continuous learning and eager to contribute to successful project execution.

## PROFESSIONAL EXPERIENCE

- **Hassan Allam Roads & Bridges (Jul 2025 – Present)**

Sr. Roads Technical Office Engineer – Tender & Cost Studies Department

- Ras El Hekma City – Client: Modon UAE

Conducted pre-award studies covering direct & indirect costs, project risks, and resource allocation, prepared detailed cost analysis for road works ensuring alignment with BOQ and design documents and Supported tender strategy by delivering accurate pricing breakdowns for major infrastructure packages.

- Egyptian Countryside Development (El Reef El Masry)

Performed comprehensive cost studies for agricultural and rural road networks, analyzed project risks and proposed mitigation measures to optimize bid competitiveness and assisted in preparing technical and financial proposals submitted to the client.

- Dry Port – 10th of Ramadan – Client: Medlog

Reviewed BOQ items, specifications, and drawings to identify scope gaps and inconsistencies, developed cost models including material, equipment, manpower, and overhead allocations and delivered pricing analysis that supported management in bid/no-bid decision-making.

- **Moon Light Company for Road Construction and General Contracts**

- Om-Zegheo link and El-Taamer axis (Sep 2023 – Jul 2025)

Technical Office Manager overseeing all technical aspects of the Om-Zegheo and El-Taamer axis road projects in Alexandria. Projects involve construction over saline soils using sand piles and infrastructure solutions for drainage and stability.

Successfully delivered both projects ahead of schedule (by 2.5 months on average) with material waste kept under 1.2%, achieving excellent time and resource management.

- Cairo-Alex Desert Main Road (Apr 2023 – Sep 2023)

Technical Office Manager responsible for the widening and enhancement of 20 km of the main Cairo-Alex Desert Road, including lane additions and asphalt renewal.

Completed the project 2 months earlier than planned with material waste minimized to just 1.3%, demonstrating efficient execution and control.

- El-Hamam Canal (Jul 2022 – Apr 2023)

Managed technical office operations for a 10 km canal project in saline terrain aimed at irrigating 365,000 acres in the Western Desert.

Delivered 2.2 months before the contractual deadline with less than 1.1% waste rate, highlighting precision in planning and field operations.

- El-Dabaa Axis (Apr 2022 – Dec 2022)

Led the technical office for the widening and improvement of 36 km of the main El-Dabaa road and 36 km of a new service road.

Finalized all works 2.7 months ahead of schedule with a waste ratio below 1.2%, ensuring optimal use of resources across both main and service roads.

- Cairo-Alex Desert Service Road (Feb 2021 – Jul 2022)

Enhanced 20 km of service road, added two new lanes, and upgraded base layers with cement dust.

- New Alamin City (Dec 2020 – Feb 2021)

Constructed 12 km of new internal roads while coordinating infrastructure works.

- **Egyptian Armed Forces Engineering Authority – K69**

- New Alamin City (May 2020 – Dec 2020)

Led construction of 68 km of internal roads ensuring alignment with city infrastructure plans.

- El Dawly El Sahely (Feb 2020 – May 2020)

Executed 90 km of new service roads between Marakia and Marina 5.

- El-Dabaa Nuclear City (Dec 2019 – Feb 2020)

Developed 28 km of internal roads and parking areas within a nuclear city project.

### **TECHNICAL SKILLS**

- Autodesk Civil 3D • AutoCAD • Primavera P6 • Project Planning
- Microsoft Office • Project Management • Topographic Survey
- Geotechnical Soil Improvement Methods

### **EDUCATION**

Mansoura University – Faculty of Engineering, Building & Construction Engineering

Bachelor in Civil Engineering – Grade: B- (GPA: 2.97), 2014–2019

Graduation Project: Material Test – Grade: A

### **ADDITIONAL INFORMATION**

- Soft Skills: Time Management, Communication, Teamwork, Leadership, Adaptability, Attention to Details
- Languages: Arabic (Native), English (Full Professional Proficiency)