

Abdelrahman Osama

Roads & Infrastructure Engineer

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Nationality: Egyptian | **Visa Status:** Transferable

[LinkedIn Profile](#) | [GitHub Profile](#)

Professional Summary

Results-driven Civil Engineer with over 3 years of specialized experience in infrastructure design and technical office management. Expert in executing complex geometric road layouts, BIM modeling, and site grading. Proven track record in delivering high-accuracy shop drawings and technical documentation for large-scale GCC projects, ensuring compliance with Saudi and international engineering standards.

Core Competencies

- **Technical Office:** Quantity Surveying (QS), BOQ Preparation, Shop Drawings, and Cost Monitoring.
- **Infrastructure:** Stormwater Networks, Road Design, Asphalt Works, and Lift Station Construction.
- **Project Management:** Etimad Portal (Invoicing/Estimation), Procurement, and Schedule Monitoring (Primavera P6).
- **Software:** AutoCAD, Civil 3D, BIM Modeling, and Vehicle Tracking (Swept Path Analysis).

Professional Experience

Technical Office Engineer - Infrastructure

Marassi Al Roads General Contracting Co. - Dammam, KSA | Jun 2024 – Present

- **Government Procurement & Finance:** Manage the Etimad Portal for invoice processing, project cost estimation, and bidding for new government tenders.
- **Imam Abdulrahman Bin Faisal University (IAU) Projects:**
 - **Central Garden (60,000 m²):** Led technical office works for irrigation systems, 50,000 m² of asphalt paving, public facility construction, and site lighting.
 - **Storm Water Phase 3:** Managed the installation and testing of 10,000 l.m of drainage pipes (5m+ depth). Oversaw the design and shop drawings for a 15m deep underground lift station (50 m²) following American and Saudi standards.
 - **Urban Rehabilitation:** Directed urban and road design for the Teaching Staff Rehabilitation Centre.
 - **Girls College fencing project:** produced shop drawings for the project.
- **Nariyah Network Maintenance:** Coordinated the comprehensive maintenance project for the complete Nariyah infrastructure network.

Project Engineer – Roadworks

Marassi Al Roads General Contracting Co. - Riyadh, KSA | Dec 2023 – Jul 2024

- **Amazon Data Center Roadworks (Riyadh):** Supervised the construction of over 8 km of urban roads.
- **Site Management:** Handled all technical submittals, supervised site execution, and ensured quality control compliance.
- **Project Controls:** Managed project costs, procurement of materials, and the generation of detailed technical progress reports.

Site Civil Engineer – Roadworks

Al-Rowad Constructions - Egypt | Oct 2023 – Nov 2023

- Supervised road construction activities in line with design and safety standards.
- Liaised with inspectors and subcontractors to resolve on-site issues.

Road Design Engineer – Consultant

Saudi Diyar Consultants - Egypt | Aug 2023 – Oct 2023

- **BIM & 3D Modeling:** Developed high-fidelity Roads BIM Modeling to streamline coordination between various infrastructure disciplines.
- **Geometric Layouts:** Designed comprehensive road networks, including grading and profiles, for a major private farm project in Al-Taif.
- **Swept Path Analysis:** Performed advanced vehicle tracking and maneuvering tests for complex logistical hubs in Riyadh and NEOM.

DevOps Intern – CI/CD & Automation

Sprints - Egypt | Apr 2023 – Aug 2023

- Acquired hands-on experience in Linux, Python/Bash scripting, and CI/CD pipelines.

Road Design Engineer – Government Projects

Dr. Khaled Kandil Engineering Office - Egypt | Aug 2022 – Aug 2023

- **EI-Arish Airport:** Designed asphalt street layouts and performed complex grading for the airport taxiway, ensuring precise longitudinal and transverse slopes.
- **New Capital MU5:** Developed the urban road network design for the MU5 district in the New Administrative Capital, focusing on high-capacity traffic flow.
- **Coastal Road Expansion:** Designed road expansions including exit/entrance ramps, vertical profiles, and layout extraction.
- **National Infrastructure:** Engineered urban road layouts for rural development projects (Hayah Karema) and specialized grading for gas station facilities.

Telesales Representative – B2C

Venture LLC - Egypt | Jan 2019 – May 2019

- Developed communication and persuasion skills through direct client engagement.

Education

BSc in Civil Engineering

Ain Shams University, Egypt | Aug 2022

Graduation Project: Rural Road and Airport Design (Grade: Excellent) | Overall Grade: **Good**

Certifications

- AutoCAD Civil 3D - CAD Masters
- Advanced Data Analysis - Udacity
- Python Bootcamp - Udemy
- DevOps Bootcamp – Sprints
- Network Foundation - Mahartek

Languages

- Arabic - Native
- English - Professional
- German - Basic

Training

- Orascom Construction - Bridge Construction (Aug-Sep 2018)
- Al Fayzi Contracting - Road Construction & Pavement Layers (Jul-Sep 2020)