

HAMDI AHMED MAHMOUD REZK

Roadworks Engineer | Project Engineer | Civil Engineer

Saudi Arabia

Transferable Iqama

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Professional Summary

Civil Engineer with over 9 years of experience in road construction, maintenance, and urban infrastructure projects across Saudi Arabia and Egypt. Specialized in highway rehabilitation, asphalt works (milling, MC1/RC2, Binder & Wearing Course), earthworks, and urban road and landscape infrastructure development, including curbstones, interlocking paving, irrigation networks, electrical ducting, and street lighting systems. Experienced in full-cycle site execution, managing construction activities from groundwork to final finishing with strong focus on quality, safety, and compliance with project specifications. Proven ability to lead site teams, coordinate with consultants and stakeholders, and ensure efficient project delivery within time and budget constraints. Proficient in Civil 3D for surface generation from survey data points and accurate quantity take-off for earthworks and asphalt layers, supporting progress tracking and reporting. Strong background in project planning and control using MS Project and Primavera P6, with a consistent track record of delivering high-quality infrastructure projects for municipal authorities.

Core Competencies

- **Road Construction & Rehabilitation:** Expertise in asphalt milling, paving (Binder & Wearing courses), and highway maintenance.
- **Infrastructure Development:** Proficient in urban road works, including curbstones, interlocking, and roundabout construction.
- **Project Management & Control:** Skilled in full-cycle project execution, planning, and progress tracking using MS Project and Primavera P6.
- **Technical Engineering:** Advanced use of civil 3D for surface generation and accurate quantity take-offs for earthworks and asphalt.
- **Utility & Service Networks:** Experience in supervising irrigation networks, electrical ducting, and street lighting systems.
- **Quality & Safety Compliance:** Strong focus on QA/QC standards, material inspections, and HSE procedures on-site.
- **Site Leadership:** Proven ability to lead multidisciplinary site teams (up to 30 members) and coordinate with consultants/stakeholders.

Professional Experience

Roadworks Site Engineer (Team Leader) – AL-RAWAF Contracting Company | Saudi Arabia (Jan 2026 – Present)

Project 1: Infrastructure Development – Third Industrial City, Jeddah

Owner: Industrial Cities & Technology Zones Authority (MODON)

- Led execution of earthworks and road activities, including subgrade preparation and aggregate base course (ABC).
- Controlled placement and compaction of subbase and base layers ensuring required density and thickness.
- Coordinated with survey team to achieve accurate levels and road profiles.
- Managed site teams, equipment, and daily operations to meet project timelines.
- Ensured compliance with QA/QC requirements and material standards.
- Implemented HSE procedures and maintained safe working conditions.

Project 2: Southern Ring Main Water Transmission System, Riyadh

Owner: Saline Water Conversion Corporation (SWCC)

- Executed road maintenance and rehabilitation works, including milling and asphalt overlay.
- Supervised full asphalt paving cycle from surface preparation to final compaction.
- Managed work crews and equipment to achieve productivity targets.
- Managed site teams, equipment, and daily operations to meet project timelines.
- Ensured quality control through field inspections and testing coordination.
- Prepared daily progress reports and tracked quantities.

Project Manager – AL-RAWAF Contracting Company | Qassim, Saudi Arabia (Apr 2025 – Dec2025)

Project: Development of the main axes in the city of Buraidah

Project Value: SAR 17,377,963

Owner: Municipality of Qassim Region

- Managed road infrastructure projects valued up to SAR 17.4 million.
- Supervised end-to-end execution of main road development projects, ensuring compliance with specifications, quality standards, and project timelines.
- Coordinated directly with municipalities, consultants, and subcontractors.
- Managed site teams, subcontractors, and suppliers to ensure timely project delivery.
- Managed infrastructure activities, including construction of parking areas, paving works, irrigation networks, electrical systems, and roundabouts, ensuring compliance with project specifications.
- Led site teams of up to 30 workers, technicians, and engineers.
- Achieved 99.9% project completion, ensuring delivery in line with contractual requirements and quality standards.
- Ensured compliance with QA/QC requirements, safety standards, and approved schedules.
- Reviewed shop drawings, method statements, and material submittals.
- Delivered project milestones within deadlines while maintaining high quality standards.
- Controlled project risks, resolving site challenges and technical issues efficiently.
- Prepared and reviewed daily and weekly progress reports using MS Project / Primavera.

Civil Site Engineer – AL-RAWAF Contracting Company | Qassim, Saudi Arabia (Feb 2024 – Apr 2025)

Project: Development of the main axes in the city of Buraidah

Project Value: SAR 17,377,963

Owner: Municipality of Qassim Region

- Supervised excavation, grading, and subgrade preparation works in accordance with project specifications.
- Executed construction of longitudinal and perpendicular parking areas, ensuring proper levels and drainage slopes.
- Coordinated installation of curbstones with accurate alignment and level control.
- Oversaw interlock paving works, including bedding layer preparation, compaction, and finishing.
- Managed installation of irrigation networks (HDPE/PVC), including trenching, pipe laying, and testing.
- Supervised electrical ducting and cable laying works for infrastructure services.
- Coordinated installation of decorative street lighting poles (6m height), including foundations and anchoring systems.
- Supervised construction of road median roundabouts, including earthworks, base course, and finishing works.
- Executed asphalt works for tie-ins and connections between the roundabout and intersecting roads, ensuring smooth transitions and proper compaction.
- Ensured compliance with approved drawings, specifications, and quality standards.
- Conducted site inspections, material approvals, and work progress monitoring.
- Collaborated with surveyors to verify layout, levels, and as-built data.

Road Site Engineer – AL-RAWAF Contracting Company | Qassim, Saudi Arabia (Dec 2023 – Feb 2024)

Project 1: Main Roads Maintenance & Rehabilitation – Part 1 (Buraidah)

Project Value: SAR 117,569,100

Owner: Qassim Region Municipality – Operation & Maintenance Department

Project 2: Main Roads Maintenance & Rehabilitation – Part 2 (Buraidah)

Project Value: SAR 57,693,200

Owner: Qassim Region Municipality – Operation & Maintenance Department

- Managed asphalt milling (cold milling) and removal of deteriorated pavement layers.
- Supervised construction of asphalt layers including Binder Course and Wearing Course.
- Prepared daily site reports for asphalt works, including executed quantities, production tracking, and progress documentation.
- Ensured compliance with approved mix design, temperature requirements, and application standards.
- Supervised MC1 prime coat and RC2 tack coat application ensuring compliance with project specifications and asphalt paving requirements.
- Controlled site activities for preparation of existing road surfaces prior to resurfacing works.
- Ensured proper compaction, levels, and quality control during asphalt paving operations.
- Coordinated with consultants and stakeholders to ensure smooth execution and approval of asphalt works.
- Ensured adherence to safety regulations and quality control procedures throughout all asphalt operations.
- Followed up on field testing and material compliance in coordination with QC teams.
- Maintained traffic management measures during construction on live roads.
- Ensured adherence to safety regulations and quality control procedures throughout all asphalt operations.

COOPERATIVE SOCIETY FOR ESTABLISHING & CONSTRUCTION | EGYPT (Jun 2019 – Nov 2023)

Project 1: Expansions of the Regional Ring Road, Al-Salam Al-Asher Stop Bridge

- Supervised daily site activities for the expansion of the regional ring road and associated bridge works.
- Ensured execution of works in accordance with approved drawings, specifications, and project requirements.
- Coordinated site operations between road expansion works and bridge construction interface.
- Followed up on site inspections and coordinated with consultants for approvals and site verification.
- Monitored site progress and ensured adherence to project schedule.
- Maintained compliance with safety regulations and site HSE requirements.

Project 2: Construction Expansions of Misr University for Science & Technology in 6th of October City

- Supervised daily construction activities, interior and exterior finishing works for the new administrative building, ensuring compliance with approved drawings and specifications.
- Monitored structural works including excavation, foundations, and reinforced concrete elements.
- Coordinated execution of architectural finishing works such as masonry, plastering, and flooring.
- Supervised infrastructure works including external roads, sidewalks, and parking areas.
- Followed up on installation of utility networks including water supply, drainage, and electrical systems.
- Followed up on ceiling works including gypsum board and suspended ceiling systems.

Civil Site Engineer – UNITED CONTRACTORS COMPANY | EGYPT (Jun 2017 – Jun 2019)

Project: Finishing Works in DAR MISR Project in New Damietta

- Supervised and executed earthworks operations for multiple zones, including grading, leveling, and compaction as per project specifications
- Managed subgrade preparation and ensured proper formation levels prior to pavement works.
- Coordinated and monitored asphalt works, including base course and wearing course, ensuring compliance with quality standards and approved mix designs.
- Oversaw construction of parking areas (longitudinal and perpendicular), including layout, levels, and finishing quality.
- Supervised installation of curbstones with accurate alignment, levels, and proper concrete bedding.
- Executed interlock paving works, including sub-base preparation, sand bedding, laying patterns, and compaction.
- Coordinated installation of irrigation networks, including pipe laying, fittings, testing, and connection to main supply.
- Supervised implementation of street lighting systems, including ducting, cable laying, and foundations.
- Ensured all works were executed in accordance with approved drawings, specifications, and safety standards.
- Conducted site inspections and quality control checks to maintain high finishing standards.
- Prepared daily reports and progress updates, tracking work activities and resource allocation.

Education

Bachelor of Civil Engineering – Damietta University, 2017

Overall Grade: Very Good

Graduation Project: Project Management – Excellent

Certifications & Professional Memberships

- Saudi Council of Engineers (SCE) – Civil Engineer (Active Membership)
- Qassim Municipality – Site Engineer Accreditation
- Qassim Municipality – Project Manager Accreditation
- Egyptian Engineers Syndicate (EES) – Membership No. 159/6301816/2017/3

Technical Skills

AutoCAD, Civil 3D(Surface creation & quantity take-off), MS Project, Primavera P6, Microsoft Excel, Photoshop, Asphalt Works, RC-2 Application, QA/QC, Quantity Surveying

Languages

- Arabic: Native
- English: Fluent in professional work environment (Speaking, Reading, and Writing)