

Mohamed Abdulmohsen

Traffic & Transportation Engineer

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Education

B.Sc. Civil Engineering Helwan Univerity Cairo, Egypt 2019

Professional Memberships

Member of the Egyptian syndicate of engineers NO. 11/7300529/2019/3

Summary

B.Sc. level licensed **Transportation Engineer** with 5 years of expertise in transport modeling, **Traffic Impact Studies (TIS)**, and performing **Road Safety Audits (RSA)**. Experienced in delivering transportation planning and road concept mitigation projects across Qatar, Ras Al Khaimah (RAK), and Saudi Arabia. Skilled in applying traffic engineering principles and simulation tools to develop practical, data-driven solutions that enhance mobility, safety, and infrastructure performance.

Core Competencies

- Traffic Impact Studies (TIS) and Transportation Planning.
- Transport Modeling, Traffic Simulation, and Data Analysis.
- Highway, Roadway, Intersection, and Parking Lot Design.
- Proficient in using traffic analysis tools such as SYNCHRO, SIDRA, Vissim, Visum, and HCS.
- Skilled in conducting **Road Safety Audits (RSA)**, ensuring compliance with safety standards.

Technical Skills

Engineering Skills		Computer Skills	
Traffic Micro-Simulation	Transport Modeling	Visum	Civil 3D
Traffic Surveys	Parking Design	Vissim	AutoCAD
Traffic Analysis	Swept Path Analysis	SIDRA	AutoTurn
Trip Generation	Traffic Circulation	SYNCHRO	Microsoft Office
		HCS	Google Earth Pro

Soft Skills		Languages	
Documentation	Presentation Skills	Arabic (native)	English (excellent)
Communication Skills	Team Work		

Work Experience

No.	Organization	Position & Key Duties	Start Date (MM-YYYY)	End Date (MM-YYYY)
1.	Dair Engineering - <i>Riyadh, Saudi Arabia</i>	<p>Traffic/Transportation Engineer (Full-time) – Transportation Department</p> <p>Key Duties:</p> <ul style="list-style-type: none"> • Estimated trip generation for developments to forecast traffic demand. • Coded, updated, and ran the strategic transport model. • Analyzed and provided mitigation solutions for signalized and unsignalized intersections. • Developed conceptual road and intersection layouts, ensuring efficient traffic movement and safety considerations. • Conducted Traffic Impact Studies (TIS) to assess the effects of proposed developments on surrounding infrastructure. • Collaborated with stakeholders and clients to understand their design requirements • Compiled detailed reports and documentation for Traffic Studies, ensuring compliance with standards. • Performed Traffic Micro-Simulation and optimize signal timings and intersection design. • Recommended road planning modifications 	12-2024	Present
2.	Seero Engineering Consulting - <i>Doha, Qatar</i>	<p>Traffic/Transportation Engineer (Full-time) – Transportation Department</p> <p>Key Duties:</p> <ul style="list-style-type: none"> • Report and document Traffic Studies. • Conduct RSA (Road Safety Audit) reports for various road projects, ensuring safety compliance • Create a roads and intersections conceptual layout. • Estimate developments trip generation. • Analyze and mitigate signalized / un-signalized intersections. • Meet with stakeholders and clients to satisfy their design requirements. 	08-2023	12-2024
3.	Corne Stone Consultancy - <i>Cairo, Egypt</i>	<p>Roads Design Engineer (Part-time)</p> <p>Key Duties:</p> <ul style="list-style-type: none"> • Participated in designing the road network. • Follow up with the site progress. 	02-2023	08-2023
4.	Julfar Consultancy Services – <i>Cairo, Egypt</i>	<p>Roads Design Engineer (Full-time)</p> <p>Key Duties:</p> <ul style="list-style-type: none"> • Development of Ras El Khaimah Emirate roads network (new zones and existing zones). • Planning, design, cut and fill quantities finishing packages. • Coordination with the planning and traffic teams to find the best solution for the road design and planning. 	01-2021	08-2023
5.	Project Consulting Group – <i>Cairo, Egypt</i>	<p>Geotechnical design engineer (Full-time)</p> <p>Key Duties:</p> <p>Making soil, dewatering, side support systems, and slope stability reports.</p>	09-2019	01-2021