

# Magdy ELpishbeshy

## Technical Office Engineer (Roads-Utilities)

 magdytolba253@gmail.com  +218940940530  +201030436462  Wadi hotel, Tripoli, Libya  
 25/03/1997  <https://www.linkedin.com/in/magdyelpishbeshy253/>  Egyptian  single

Technical Office Engineer for Roads and Utilities with (5+) years of experience designing, modelling, and quantity surveying of road works. I have worked as a resident and freelance engineer on numerous projects, including infrastructure mega projects such as the Tripoli Third Ring Road project in Libya and the high-speed rail project in Egypt. Good knowledge of international codes and LOD standards related to infrastructure works, and a professional user of Civil3D software. Strong communication, ability to complete jobs from conception to completion, hard worker, well-organised, and ambitious.

---

### Education

---

09/2015 – 07/2020 **Faculty of Engineering, Mansoura University, Bachelor's degree in civil engineering**  
· Accumulative grade: Good (72.4%)  
· Graduation project: Highways and airports (Grade: Excellent)

---

### Professional Experience

---

01/2024 – present  
( 24 months ) **Technical Office Engineer (Roads-Utilities)**  
Worked as a Technical Office Engineer for Roads and Utilities at Organi Group (Neom Company), specialising in road construction.  
Project: Tripoli Third Ring Road (TTRR) by JV consortium (Neom-Hassan Allam-Orascom-Rowad).  
The project consists of a 24 km main road with 10 interchanges, including 56 ramps, 16 loops, and 43 service roads.  
Total cost: 4,000,000,000 L.Y.D  
Client: Housing and Infrastructure Board.  
Designer consultant: GEG. Engineering Structures for Life.  
Project management consultant: Hill International.  
Responsibilities:  
1. Prepare shop drawings for roadworks. 2. Prepare layer sheets and level sheets. 3. Quantity surveying for all road items (earthworks, pavement works, incidental works, signalling works, safety works, and pavement markings). 4. Develop modelling, detailing shop drawings, and quantity surveying of infrastructure works. 5. Collaborate with teams to coordinate road design with drainage, utilities, and landscaping. 6. Develop conceptual and detailed designs, horizontal and vertical alignments, considering topography, project specifications and AASHTO standards. 7. Review the original design according to AASHTO standards. 8. Prepare client and subcontractors' invoices. 9. Liaise with clients, contractors, and stakeholders to clarify technical requirements and resolve issues. 10. Provide input and technical guidance to CAD designers, Drafters, and lower-level Engineers. 11. Support project documentation, including technical reports, progress reports, and proposals. 12. Update the B.O.Q. 13. Develop As-Built drawings.

11/2022 – 12/2023  
( 14 months ) **Roads Technical Office Engineer**  
Worked as a Roads Technical Office Engineer at Entrans Consulting, specializing in environmental and transportation engineering.  
Project: October Aswan Electric Express Train (HIGH-SPEED RAIL).  
The path length is 176.700 km, including 31 intersections (1 railway underpass, 3 viaducts, 9 road bridges, and 18 road underpasses), and 7 railway stations.  
Total cost for road works only: 16,000,000,000 L.E.  
Owner: General Authority for Roads and Bridges.  
Owner Consultant: SYSTRA.  
Project management consultant: Entrans Consulting.

Responsibilities:

1. Review and prepare shop drawings for roadworks. 2. Review and prepare layer sheets and level sheets. 3. Quantity surveying for all road items (earthworks, pavement works, and incidental works). 4. Review and approve the B.O.Q. 5. Review the original design according to Egyptian and AASHTO codes and adjust. 6. Review and approve as-built drawings. 7. Review and approve contractors' invoices. 8. Prepare progress reports. 9. Prepare daily, weekly, and monthly reports. 10. Prepare conceptual designs for intersections. 11. Prepare geometric design (vertical and horizontal) according to AASHTO standards.

12/2021 – 10/2022  
( 11 months )

**Roads Technical Office Engineer**

Worked as a Roads Technical Office Engineer at SGAC Engineering Consulting for Transport, Roads, and Airports

Project: Raising the efficiency of the Free Upper Egypt Road.

The length of the road is 47 km, and its width is 50 meters. It consists of two directions: the northern direction has 5 lanes (3 flexible pavement and 2 rigid pavement ), and the southern direction has 5 lanes of flexible pavement.

Total cost: 970,000,000 L.E

Responsibilities:

1. Prepare geometric design (vertical and horizontal) according to AASHTO standards. 2. Review and approve shop drawings for road works. 3. Review and approve layer sheets and level sheets. 4. Review and approve quantity surveying for all road items. 5. Review and approve the B.O.Q. 6. Review and approve as-built drawings. 7. Review and approve contractors' invoices. 8. Prepare progress reports. 9. Prepare daily, weekly, and monthly reports.

12/2020 – 11/2021  
( 12 months )

**Technical Office Engineer**

Worked as a Technical Office Engineer and Quantity Surveyor, supervising the project of the Port Said tunnels by the engineering authority for the armed forces.

Project: Port Said Tunnels Under the Suez Canal.

Total cost: 3,500,000,000 L.E.

Responsibilities:

- 1-Prepare quantity surveying of (concrete, steel, roads, landscaping, and finishing)
- 2-Supervising the maintenance of roadworks, infrastructure, landscaping, and buildings.
- 3-Extracts and studies shop drawings.
- 4-Review contractors' invoices.

---

**Software skills**

---

- **CIVIL 3D** - (Advanced)
- **AUTOCAD** - (Advanced)
- **SUBASSEMBLY COMPOSER** - (Advanced)
- **INFRAWORKS 360** - (Intermediate)
- **NAVISWORKS** - (Intermediate)
- **Microsoft Office (Excel, Word, and PowerPoint)** - (Advanced)

---

**Languages**

---

- Arabic** — (Native)
- English** — (Intermediate)

---

**Skill highlights**

---

- Strong problem-solving and analytical skills.
- Work under pressure, ability to work independently, and Innovative.
- Excellent communication, presentation skills, and teamwork skills.
- Provide support for other engineering activities as required.
- Time management for multiple tasks with multiple deadlines.
- Good listener, social, and developed.