

Name of Firm: University of Ain Shams
Name of Staff: Hassan Mahdy
Profession: Associate professor of Highway and Traffic Engineering
Years with Firm/Entity: 15
Date of Birth: August. 29.1968

Key Qualifications:

Dr. Mahdy is a transportation engineer by background. He has extensive knowledge of the road transport in Egypt and access to many publications and own work on the road transport , transportation engineering and roads in Egypt.

He is a trainer in the road engineering and fleet management issues. He is also a member of the following boards:

- Consultant of roads and airports, Egyptian syndicate of Engineers
 - Member of higher committee for updating the Egyptian code of practice for Urban and rural road (part 10 Road maintenance)
 - Member of higher committee for updating the Egyptian code of practice for Urban and rural road (part 3 Geometric design of roads)
 - Member of board, Highway Engineering Consultancy Unit (HECU), Faculty of Engineering, Ain Shams University, Cairo, Egypt.
 - Expert of Highway Engineering, The Egyptian General authority for Urban design, Ministry of Housing, Development, and new Communities.
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Education:

Institution	University of Bodenkultur Vienna, Austria
Date: from to	2001
Degree or Diploma obtained:	Ph.D. degree in Highway and Traffic Engineering, Institute for Transport Studies,
Institution	Faculty of Engineering, Ain Shams University, Cairo, Egypt
Date: from to	1994
Degree or Diploma obtained:	M.Sc. degree in Civil Engineering, (Highway Engineering),

Special courses:

- Road pavement design, EcoMan, Dubai, UAE, 2008.
 - Fleet management, CPC, Sharm Elsheikh, Egypt, 2008
 - Geometric design of roads and traffic safety, ECG, Egypt.
 - Road construction, and maintenance, general authority of roads, bridges and land transport (GARBLT), Egypt.
 - Advanced systems of road and bride maintenance, Ministry of Public Works, Kuwait.
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Employment Record:

- From 2007 to date Associate professor of Highway and Traffic Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt.
 - From 2001 to date: Lecture of Highway Engineering, Public Works Dept., Faculty of Engineering, Ain Shams University, Cairo, Egypt.
 - From 1994 to 1998: Associate lecturer, Civil Engineering Dept., Faculty of Engineering, Ain Shams University, Cairo, Egypt.
 - From 1991 to 1994: Demonstrator of Highway Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt.
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Languages:

Language	Reading	Speaking	Writing
Mother tongue: Arabic	1	1	1
English	1	1	1

12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned

- Design of road network of Gozira project, Aswan, Egypt, ۲۰۰۷.
 - Design of road network of Fountain Park resort, New Cairo City, Egypt, 2007.
 - Geometric design of 10 “black spot intersections”, Riyadh, KSA, 2007.
 - Planning and assessment of alternatives of Menia Entrance, Egypt 2004
 - Implementing the required road studies for Maghagh city, Meina, Egypt 2004
 - Implementing the required road studies for Elhelwa, Shosha villages, Meina, Egypt 2004
 - Identification of the suitable locations for Mallawy and Bani Mazar Nile-crossing bridges and development of their surrounding urban communities, Menia, Egypt 2004
 - Implementing the required road studies for Sannoras city, Fayoum, Egypt 2004
 - Expert of Highway Engineering, General Authority of Roads, Bridges, and Land, Transport (GARBLT), Ministry of Transport, Egypt.
 - Sharing the construction supervision of the completing of west desert expressway at Abidous, Nile consulting office, 2004-2005.
 - Design of internal road network of Swan lake resort, New Cairo city, Cairo, Egypt, 2005.
 - Design of internal roads of the Abo-Zabal new industrial area, Qalyobia, Egypt, 2005.
 - Director of road planning and design, Highway Engineering Consultancy Unit (HECU), Faculty of Engineering, Ain Shams University, Cairo, Egypt. Worked on:
 - Preparing technical and economical feasibility studies for road projects such as; the Sharm El-Shekh ring road, Connecting Egypt and Sudan, Kafr El-Shekh/Desuk/Damanhour road, etc.
 - Preparing technical and financial proposals for road projects such as; Menia ring road, Qena/ Luxur road, etc.
 - Preliminarily design, detailed design and preparing tender documents of road projects such as Sohag road project, ministry of housing, Egypt, 2002.
 - Assessment of rigid pavement inside Mansoura power plant, Engineering consulting center, Faculty of Engineering, Ain Shams University
- From 1991 to 1998: Laboratory Engineer, Highway Engineering Laboratory (HEL), faculty of Engineering, Ain Shams University, Cairo Egypt. This Laboratory is dealing with:
- Sieve analysis of all types of soil and soil classification according to AASHTO and FAA systems.
 - Estimation of bearing capacity of soil for both flexible and rigid pavement using C.B.R. test and Plate load test.
 - Testing of road construction materials (bounded and unbounded).
 - Testing of Asphalt cement such as; penetration point, softening point, ductility etc.
 - Designing of both the binder and surface courses asphalt mixes.

- Designing of rigid pavement.
- Quality control during construction of new traffic facilities or rehabilitation of existing facilities including; extraction tests on the bituminous layers, Marshall stability test, identification of the layers thickness via cure drilling.
- Evaluation of the quality of pavement using PCI method.
- Research projects dealing with; rate of deterioration of pavement, compaction of road embankment in dry regions etc.

From 1993 to 1998: Highway Engineer at Highway Engineering consultancy unit (HECU), faculty of Engineering, Ain Shams University, Cairo, Egypt, worked in the following projects:

- Traffic studies, planning, preliminary design and shop drawing of wadi El-Natroun El-Alamen expressway (139 km) from Cairo Alex. Desert road to El-Alamen.
- Construction supervision and computing bill of quantities of wadi- El-Natroun El-Alamen and other projects.
- Designing of Parking facilities (parking lots and garages)
- Designing and construction supervision of internal road networks of villages and storage areas in factories.
- Construction supervision of the extension of the runway alpha 35, Cairo International Airport.
- Planing and designing of drainage system in both urban and rural areas.
- Construction supervision of 26th of July corridor, Cairo, Egypt.

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.



19.10.2008

Date:

Full name of staff member: Dr. Hassan Mahdy

Full name of authorized representative: