

C. V.

Dr. Ahmed Mahmoud Farag



Personal Data:

Name : Ahmed Mahmoud Mahmoud Farag
Nationality : Egyptian

Scientific Degrees:

- B. Sc. Civil Engineering Cairo Univ. 1990
(Distinction with honour degree / project Distinction).
- M. Sc. Civil Engineering Cairo Univ. 1995
- Ph. D. Civil Engineering Cairo Univ. 2001.

Responsibilities:

- *Deputy of Public Work Department (Feb. 2011-till now).*
- *Manager of Railway Laboratory, Faculty of Engineering, Cairo University, Egypt, (2001-till now).*
- *Ass. prof of Railway Engineer, Faculty of Engineering, Cairo University, Egypt, (2001-till now).*
- *Lecturer Assistance of Railway Engineer, Faculty of Engineering, Cairo University, Egypt, (1996-2000).*
- *Instructor of Railway Engineer, Faculty of Engineering, Cairo University, Egypt, (1990-1995).*
- *Participation in many projects & studies.*

Professional Experience:

- *Design and Planning of Railway Lines and Feasibility Studies of Railway Projects.*
- *Preparation of 1st level crossing Guide Line for Egyptian National Railways (ENR). (July 2003).*
- *Preparation of 1st safety Guide Line for Railways in Egypt- Sep 2004.*

- *Design & Implement of 1st information system in ENR including application for operation planning, rolling stock, cost Model and business evaluation.*
- *Participation in many Studies & Project in the field of transport Planning, Railways, According to the following duties (1991 – till now):*
 - *Preparing of Training Courses & Automated Systems.*
 - *Simulation of Transport networks (Railways & Roads).*
 - *Upgrading & Maintenance of Transport Automated Systems.*
 - *Dealing with many of PC Software Packages & Specialized Transportation Packages.*
 - *Calculation of Road Vehicles and Railway Cost.*
 - *Analysis, and detailed Design for some of Computerized Applications in Transport Sector Authorities & Companies.*
- *Supervision and Quality Control Management of Railway Projects including many Civil Works like Earthworks for Railway Lines and Roads, Road Pavements and alignment, Track Installation, Track Maintenance, ...*

Project participated in:

- 1) Principle Investigator for the technical study of Belbes - El Asher – Robakey railway link serving dry part (November 2017 – To date).
- 2) Principle Investigator for national project of linking new Administrative Capital with the ENR network (November 2017 – To date).
- 3) Principle Investigator for technical and feasibility studies of transportation on railway link “Batra / Basandila – Samana / Heseniya – Salhyia / El Akhwa (July 2017 – January 2018).
- 4) Principle Investigator for the Study of "Railway line to be shifted out of Ismailia city". The study is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University for the Transport, Planning authority, Ministry of Transport (January to May 2017).
- 5) Member of the Consultant Group and the Head of Signaling and Communication Systems Group for the Revision of Control and Protection Systems of the Third Cairo Metro Line. The study is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo

- University for the Transport, Planning Authority , Ministry of Transport (June 2015 to December 2016).
- 6) Head of the Team for the Railway Line Survey "Bani Suef / Cairo / Alexandria" for the purpose of carrying out "ETCS" System for Signon German Company (July 2015 to September 2015).
 - 7) Project Manager for the supervision of civil works for Development of Egyptian National Railway Grade Crossings, First Priority, 3rd phase (295 Lxs). The project is funded from the Egyptian National Railways. The supervision is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University (March 2014 – till now).
 - 8) Project Manager for the supervision of civil works for Development of Egyptian National Railway Grade Crossings, First Priority, 2nd Phase (297 Lxs). The project is funded from the Egyptian National Railways. The supervision is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, (March 2014 – Till now).
 - 9) Project Manager for the supervision of Development of ENR level Crossings, First Priority, 2nd phase, "supply & installation of local & imported components for the protection & operation of a full automatic Lx protection system and all necessary civil works, 150 Lxs". The project is funded from the Egyptian National Railways. The supervision is carried out by the Civil Engineering Studies and Center, Faculty of Engineering, Cairo University Researches, (Dec 2012 –till now).
 - 10) Project Manager for the supervision of civil works for Development of Egyptian National Railways Grade Crossings, First Priority, 345 Lx. The project is funded from the Egyptian National Railways. The supervision is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, (Jul 2008 –till now).
 - 11) Project Manager for the supervision of Supply and Installation of Local and Imported Components for the Protection and Operation of the Level Crossings, 1st Highest Priority, 171 Lx. The project is funded from the Egyptian National

Railways. The supervision is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, (Jan 2009 –till now).

- 12) Project Manager for the Consultation Project "Studying the Final Route between km 2.5 and km 18 to serve Sadat City". The project is funded from the Egyptian National Railways. The project is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, (Jan 2009 – Sep 2009).
- 13) Project Manager for the Consultation Project "Construction of railway line between belbes and 10th of ramadan". The project is funded from the Egyptian National Railways. The project is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, (April 2009 –April 2013).
- 14) Executive Director and Member of the consultant Group for the project's "PLANNING STUDY FOR INTEGRATED TRANSPORT SYSTEM IN MINA"

Study objectives include:

- Comprehensive planning for transportation in the study area which identified from the western end of Muzdalifah, fully Mina, until the beginning of Makkah at the western side of Mina.
- Separation of vehicles movement from the pedestrians movement in the study area.
- Provide an adequate, developed and highly efficient transportation system to serve pilgrims and related services including shuttle movements of pilgrims within the study area.
- Assure that the proposed transportation facilities are economically, as well as financially feasible, and they will not negatively affect the environment.

The project is funded by Ministry of Municipal and Rural Affairs Kingdom of Saudi Arabia. The project is carried out by Beeah consultant in association with transport planning & engineering consultants (El- Hawary & Assoc.) December 2005 - December 2007.

- 15) Executive Director and Member of the Consultant Group for the Project of " Preliminary Study (Technical and Economical) of the Rout between Al-Sharkeyeh Station and Muhine-Damascus Line (Existing and New Line) ". The project is funded by the Syrian Railways General Establishment. The project is carried out by the Arab Center for Integrated Studies in association with Transport Planning & Engineering Consultants, (El-Hawary & Assoc.), and Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, and Global Geobits for Information Technology, (Aug 2005- Aug 2007).
- 16) Executive Director and Member of the Consultant Group for the Project of " Preliminary Study (Technical and Economical) of the Rout between Domier & El-Qaboon". The project is funded by the Syrian Railways General Establishment. The project is carried out by the Arab Center for Integrated Studies in association with Transport Planning & Engineering Consultants, (El-Hawary & Assoc.), and Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, and Global Geobits for Information Technology, (Aug 2005- Feb 2008).
- 17) Member of the Consultant Group for the Project of " Alexandria to Borg El-Arab Rapid Rail Link Project – Passenger Travel Demand – Preliminary Study ". The project is funded from the Ministry of Transport. The project is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, (Aug 2005 – Oct 2005).
- 18) Co-Project Manager for the Consultation "Prep of Bid Document for Development of Egyptian National Railways Grade Crossings, First Priority, 345Lx". The project is funded from the Egyptian National Railways. The project

is carried out by the Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University, (Jan 2005 –Feb 2008).

- 19) Member of the consultant Group for the study of the " Constructing Railway lines inside the East of Port Said Harbor ". The project is funded from the Ministry of Transport. The study is going by Civil Engineering Center for Studies and Researches, Faculty of Engineering, Cairo University (2002-2004).
- 20) Prime Investigator in the project of "Rail Transport Information System for Integrated Transport System in the Arab Mashreq" the study was submitted to Economic and Social Commission for Western Asia (ESCWA) as a consultancy work, (June 2004 – Oct. 2004).
- 21) Executive Director and Member of the consultant Group for the Study of "Building a National Institution to Organize Inland Transport in Egypt". The study is funded from the Ministry of Transport, Transport Planning Authority (TPA). The study is carried out by Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University in Association with Transport Planning & Engineering Consultants (El-HAWARY & Associates) (Mar 2004 – Oct. 2004).
- 22) Member of the consultant group for the study "Developing Egyptian National Railway freight transport using Integrated transported systems". The study is funded by Egyptian National Railways. The study is carried out by Egyptian National Institute of transport, Feb 2004 – Oct 2004.
- 23) Co Project Manager for the Study of "Supporting Tools for the Development of Egyptian National Railways Railroad Grade Crossings". The study is funded from the Ministry of Transport, Transport Planning Authority (TPA). The study is carried out by Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University (April 2003 – Sep. 2003).
- 24) Technical Director for the Study of "Development of Railroad Grade Crossing in Arab Republic of Egypt", The study is funded from Ministry of Transport, Transport Planning Authority (TPA). The study is carried out by

Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University (June 2002 – Oct 2002).

- 25) Member of the consultant Group for the study "Transportation Economics under The New Policies and Variables". The study is funded from the Ministry of Transport, Transport Planning Authority (TPA). The study is a joint venture between Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University in Association with Transport Planning & Engineering Consultants (El-HAWARY & Associates) and the Research Center of Sadat Academy for Management (Sep 2001- June 2002).
- 26) Member of the consultant Group for the study "Technical Assistance, Upgrade and maintenance of automated systems for operation, Rolling stock and the Financial Management of Profit Centers for Egyptian National Railways". The study is going by Egyptian National Institute of Transport (ENIT) (Sep 2000- Oct 2003).
- 27) Member of the consultant Group for the study "Development of Container Transport to Support the Foreign Trade of EGYPT ". The study is funded from Ministry of Transport, Transport Planning Authority (TPA). The study is a joint venture between Civil Engineering Studies and Researches Center, Faculty of Engineering, Cairo University in Association with Transport Planning & Engineering Consultants (El-HAWARY & Associates) (July 2000 - Feb2001).
- 28) Member of the consultant Group for the study " Measures for Improvement of ENR's Cost Recovery " through Transport Planning & Engineering Consultant (El-HAWARY & Associates) in association with TRANSMARK. (June 1996- April 1999)
- i) Business Evaluation and Monitoring System (BEAMS).
(Sharing in analysis)
 - ii) Independent Traffic Cost Model (ITCM).

- (Sharing in analysis and Programming using Dbase V)
- iii) Upgrading Operation application for ENR from single user to multi user, (more than 17 workstation), and adding some modifications.
(Sharing in analysis and Programming using Dbase V and Novell).
- iv) Upgrading Rolling Stock application for ENR to be used by three users.
(Analysis and programming using DbaseV and Novell).
- v) Occupancy Application for ENR (single user)
(Analysis and sharing in Programming using VDbase)
- 29) Member of the consultant Group for the study Baharia Line Cost Model for Egyptian National Railways through Transport Planning Office in association with “DeConsult “(1994-1995).
(Analysis and sharing in Programming using dbase IV and Qpro)
- 30) ENR Cost Recovery preliminary study through Transport Planning & Engineering Consultant (El- HAWARY & Associates) Office in association with Transportation systems and Market research LTD. (TRANSMARK) (1994).
- 31) Egypt National Transport Study, Phase IV, "The Study on the Transport System and the National Road Transportation Master Plan", Transport Planning Authority, Ministry of Transport, Egypt, in association with Japan International Cooperation Agency (JICA), (1992 - 1993).
- 32) Transport Planning Information System Part II, for Transport Planning Authority (TPA). (1991-1993).
- i) Infrastructure application for Metro.
(Analysis and Programming using Dbase IV)
- ii) Operating application for ENR.
(Analysis and Programming using Dbase IV)
- iii) Rolling Stock application ENR.
(Analysis and Programming using Dbase IV)
- iv) Railway Cost Model.

(Analysis and Programming using Dbase IV and Qpro)

OTHER ACTIVITIES:

- *Member of the Egyptian Syndicate of Engineers (ESE) Since 1995.*