



Transportation Analysis and Feasibility Study for a Connection between Greater Cairo and Marsa-Matrouh

By

Mohamed Tharwet Mohamed Khalifa

A Thesis submitted to the
Faculty of Engineering at Cairo University
In Partial Fulfillment of the
Requirements for the Degree of
Master of Science
In
Civil Engineering – Public Work

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Under the Supervision of

Prof. Dr. Laila Salah El Din Radwan

.....
Professor of Highway, Traffic and Airport
Engineering

Public Works Department

Faculty of Engineering, Cairo University

Dr. Dalia Galal Said

.....
Associate Professor of Highway, Traffic
and Airport Engineering

Public Works Department

Faculty of Engineering, Cairo University

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Approved by the Examining Committee

Prof. Dr. Laila Salah El Din Radwan,

Thesis Main Advisor

Dr. Dalia Galal Said,

Advisor

Prof. Dr. Ahmad Atef Gadallah,

Internal Examiner

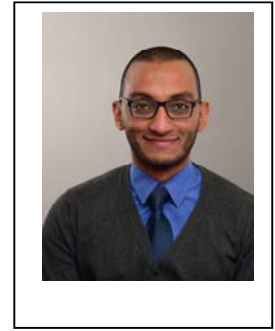
Prof. Dr. Mostafa Amin Abo-Hashema,

External Examiner

- Professor of Highway Engineering, Fayoum University
- Director of Egyptian National Institute of Transport, Ministry of Transport

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GIZA, EGYPT
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Engineer's Name: Mohamed Tharwet Mohamed Khalifa
Date of Birth: 20/08/1984
Nationality: Egyptian
E-mail: Mohamed.Tharwet@gmail.com
Phone: 00201061117794
Address: 6-October, Giza, Egypt
Registration Date: 01/10/2012
Awarding Date: .../.../2018
Degree: Master of Science
Department: Civil Engineering - Public Work



Supervisors:

Prof. Dr. Laila Radwan
Dr. Dalia Galal Said

Examiners:

Prof. Dr. Mostafa Amin Abo-Hashema,	External Examiner
• Professor of Highway Engineering, Fayoum University	
• Director of Egyptian National Institute of Transport, Ministry of Transport	
Prof. Dr. Ahmad Atef Gadallah, Internal Examiner	Internal Examiner
Prof. Dr. Laila S. Radwan, Thesis main advisor	Thesis Main Advisor
Dr. Dalia Gala Said, Advisor	Advisor

Title of Thesis

Transportation Analysis and Feasibility Study for a connection between Greater Cairo and Marsa-Matrouh

Key Words: Highway Engineering, Railroad Engineering, Feasibility study, GIS, PPP.

Summary:

History tell us that well designed transportation link lead to boom for any society. If a link is well planned and executed according to the plan, railroad can work in parallel with highway routes/networks and to be the gates of the development and growth. Transportation link connect two or more cities and ensure that employment, industries, and development follow. All the related items during the design will make up a safe link. Modern transportation links are known for their high capacity, efficiency, and planned construction. These links are very important for the growth of a region and open new trade routes. The main objective of this thesis is to check if it is feasible to design and construct transportation link connects between the Greater Cairo Region and Marsa-Matrouh passing by Qattara Depression through the western desert.

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Dedication

I present this work to whom who give me everything and doesn't want anything.

To my father

For inspiring me, standing beside me, and teaching me how to be full of confidence

To my mother

The candle for my life

To my wife

For encouraging me with full of power

To my son & daughter and sisters

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