

INVOLVEMENT BY DR KHALED ABBAS

IN

TRANSPORT & TRAFFIC PROJECTS

WITH

INTERNATIONAL ORGANISATIONS:

UNITED NATIONS (1994 & 2001)

WORLD BANK (2001)

UNIVERSITY OF TEXAS AUSTIN (1995)

Improvement of Pedestrian and Child Safety in Urban Areas - A Case Study of Cairo & Nairobi (1994)

<http://repository.uneca.org/bitstream/handle/123456789/1739/Bib-13368.pdf?...>

Client: Transport, Communications & Tourism Division (TCTD) of United Nations Economic Commission for Africa (UNECA), Addis Ababa, Ethiopia

Role: Traffic Safety Consultant - Development of an Integrated Traffic Safety Management. Assessing & comparing traffic safety for pedestrian & children in the cities of Cairo (Egypt) and Nairobi (Kenya) as case studies. Improve understanding of pedestrians and children traffic safety problem in urban areas, its root, direct and post causes. Developing a comprehensive program of traffic safety in Africa meant to prevent & reduce potential of pedestrians and children in accidents in urban areas.



ECONOMIC COMMISSION
FOR AFRICA



**Study on the Improvement of
Pedestrian and Child Safety
in Urban Areas**

Ad Hoc Expert Group meeting on Development of Urban Transport in Africa (1994)

Client: Transport, Communications & Tourism Division (TCTD) of United Nations Economic Commission for Africa (UNECA), Addis Ababa, Ethiopia

Role: Traffic Safety Consultant & Ad Hoc Expert Representative of Egypt - Present findings of the above mentioned study. Represent Egypt to come up with a road safety programme for UNECA to adopt within the framework of the United Nations Transport and Communications Decade in Africa (UNTACDA II)



ACKNOWLEDGEMENTS

The initial study was carried out by Dr. Khaled Abbas, Transportation Consultant and presented to an Ad-Hoc Group of Experts comprising the following:

Mr. M. Boukhalfa, Sous-Directeur de la Circulation Routière, Ministère des Transports/ Direction des Transports urbains et la Circulation Routière, Algiers, Algeria

Mr. Amfseged Kifle, Head, Planning and Prog. Dept., Road Transport Authority, Addis Ababa, Ethiopia

Mr. J.M.Y.Amegashie, Director of National Road Safety Council, Accra, Ghana

Mr. S. M. Waihaka, Chairman, National Road Safety of Kenya, Nairobi, Kenya

Dr. O. Agunloye, Corps Marshal and Chief Executive, Federal Road Safety Commission, Lagos, Nigeria

Dr. H. Ribbens, Programme Manager, Traffic Safety Research, Transportek, CSIR, Pretoria, South Africa

Mr. J.F.Chuwa, Chief Engineer, Ministry of Communications and Transport, Dar-es-Salaam

Mr. T.N.K.Adamah-Tassah, Secetaire General prevention Routiere Togolais, Lome, Togo

Prof. Jef. F. Mortelmans, University of Leuven, Research Unit for Traffic Engineering and Infrastructure Planning, Leuven, Belgium

Mr. T. Assum, Head of Department, Institute of Transport Economics, Oslo, Norway

Professor M. Bongoy, Director, Transport, Communications and Tourism Division, ECA, Addis Ababa, Ethiopia

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Dr. M.E.Dhliwayo, Economic Affairs Officer and Project Officer, Transport, Communications and Tourism Division, ECA, Addis Ababa, Ethiopia

Dr. Khaled Abbas, ECA Consultant, Egyptian National Institute of Transport

The outcome of the interventions from the Ad-Hoc Experts Group is incorporated in the final study.

Integrated Transport System in Arab Mashreq (ITSAM): An Integrated Information System (INFOSYS) - A Proposed Regional Road Transport Information System (2001)

Client: Subcontracted to Transport Committee - Economic and Social Commission for Western Asia (ESCWA) - UN.

Role: Transport Consultant - Design a road transport information system in a way that allows the input of data and information required to utilise transportation planning packages such as International Freight Simultaneous Transportation Equilibrium Model (IFSTEM) and highway design and evaluation packages such as Highway Design and Management model HDM-4. Also producing a set of data collection forms to be used by member countries in completing required data to operate IFSTEM and HDM-4 models as well as to conduct country based comparisons.

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Committee on Transport
Third session
Beirut, 5-7 March 2002

Item 6 of the provisional agenda

A PROPOSED REGIONAL ROAD TRANSPORT
INFORMATION SYSTEM

Install, Test and Train on Traffic Engineering and Transportation Planning Software Models (2001)

Client: Cairo Traffic Engineering Bureau under a World Bank Grant No. TF 27279

Role: Traffic Consultant - As part of a team of Egypt National Institute of Transport in Association with Dowling Associates, Inc., USA shared in conducting training for traffic police officers and engineers on applying traffic software as well as in conducting a traffic study for Maadi district in Cairo.



BTMS: A Generic Bus Transit Management System (1995)- Transportation Research Report.

Client: Center for Transportation Research, Bureau of Engineering Research, The University of Texas at Austin, Austin, Texas, USA.

Role: Senior Visiting Fulbright Scholar - Developing a generic Bus Transit Management System (BTMS). The BTMS contains seven subsystems namely: a vehicle maintenance management system, a vehicle operation management system, a new vehicles procurement management system, an operational cost accounting, fare determination and subsidy computation, travel demand prediction and performance evaluation. The BTMS is composed of three components: a user interface module, a time based simulation model and a time based output module. The simulation model contains principal dynamic feedback structural relationships that describe the bus transit system. These are mainly based on system dynamics equations, accompanied by deterministic specifications, empirical formulations and stochastic representations of some of the variables/parameters describing the activities/functions that constitute the management of a bus transit company. The BTMS is capable of quantifying the effects that might occur over time as a result of changes in the bus transit practices, procedures, policies, and exogenous key input parameters.

