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AIN SHAMS UNIVERSITY

FACULTY OF ENGINEERING

EFFECT OF CRACKING IN REINFORCED CONCRETE

"SERVICEABILITY CONDITIONS"

A Thesis

Submitted in Partial Fulfilment of the

Requirements for the Degree of Master of Science

in Civil Engineering (Structural Division)

By

MONA KAMAL NASSIF GHALI

B.Sc. (Honours) 1985, Structural Division,

Civil Engineering Dep., Ain Shams University

Supervised By

Dr. Abdel-Hady H. Hosny

Head of Structural Eng. Dep.

Professor of R.C. Structures

Ain Shams University

Egypt

Dr. Ibrahim Mahfouz M. Ibrahim

Head of Civil Eng. Department

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الله

بسم الله الرحمن الرحيم

TO···

MY PARENTS

MY HUSBAND TAREK

& MY BROTHERS SHERIF & BAHER

APPROVAL SHEET

EFFECT OF CRACKING IN REINFORCED CONCRETE

"Serviceability Conditions"

By

MONA KAMAL NASSIF GHALI

Approved by:

Prof. Dr. ABDEL-HADY H. HOSNY (Supervisor)

Head of the Structural Engineering Department,
Professor of Reinforced Concrete Structures,
Faculty of Engineering,
Ain Shams University, Egypt.

Prof. Dr. Ibrahim Mahfouz M. Ibrahim (Supervisor) I. M. Ibrahim

Head of the Civil Engineering Department,
Professor of Reinforced Concrete Structures,
Faculty of Engineering, Shoubra,
Zagazig University, Egypt.

Prof. Dr. Mahmoud A. Nasr

Head of the Structural Engineering Department,
Professor of Reinforced Concrete Structures,
Faculty of Engineering,
Cairo University, Egypt.

Prof. Dr. Shaker A. El-Behairy

Professor of Reinforced Concrete Structures,
Faculty of Engineering,
Ain Shams University, Egypt.

STATEMENT

This dissertation is submitted to Ain Shams University for the degree of Master of Science in Civil Engineering.

The work included in this thesis was carried out by the author in the Department of structural Engineering Ain Shams University , from February 1987 to January 1990.

No part of this thesis has been submitted for a degree or a qualification at any other University or Institution.

Date :

Signature :

Name : Mona Kamal Nassif Ghali.

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