



AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING
STRUCTURAL ENGINEERING DEPARTMENT

Effective Width for Steel-Light Weight Concrete Composite Girders

Thesis

Submitted in partial fulfillment of the
requirements for the degree of

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in
Civil Engineering (Structures)

by

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Ain Shams University
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**Thesis: Effective Width for Steel-Light Weight Concrete Composite
Girders**

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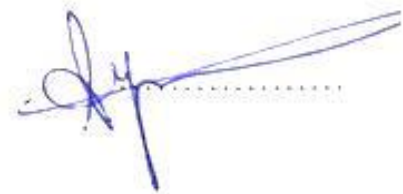
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STATEMENT

This thesis is submitted to Ain Shams University in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Civil Engineering (Structural).

The work included was carried out by the author at reinforced concrete lab of the faculty of engineering, Ain Shams University.

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

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