

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**ANALYSIS AND DESIGN OF A SUSPENDED BRIDGE IN
STRUCTURAL STEEL**

C/984

BY

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INTRODUCTION

This project was much different from any other project proposed for various reasons. Firstly, the students who chose it would have to start earlier than normally because they had to learn a designing program called STAAD Pro in order to design the bridge. Furthermore never before was a design of a bridge in the project options and so the students would have almost nothing to work on. Even the institute's syllabus did not cover many of the topics needed for the design of a bridge so once again they would have to learn more on their own in order to complete the task assigned.

We took up the task with great interest and ambition but always with a clear mind. We had no illusions; we knew the probability of success was considerably small. But no matter how distant the probability of success seemed, we get to say that we tried something we normally couldn't do, and did it...

TABLE OF CONTENTS

ACKNOWLEDGEMENTS

INTRODUCTION

A Brief History of Building in Steel

A Quick Look in STAAD Pro.

1. EXAMPLES

Example 1:

The Code in STAAD PRO :

Analysis Results:

2. BRIDGES

INTRODUCTION

TYPES OF BRIDGES

Beam Bridges

Cantilever Bridges

Arch Bridges

Truss Bridges

Suspension Bridges

Cable-Stayed Bridges

Movable Bridges

Floating Bridges

Combination Bridges

BRIDGE PLANNING AND CONSTRUCTION

Design Selection

Design Decisions

HISTORY

Early and Medieval Bridges

Iron and Steel Bridges

Suspension Bridges

Introduction of Concrete

Recent Designs

3. CABLE-STAYED BRIDGES

BASICS

HISTORY

CABLE STAYED

CABLE-STAYED BRIDGES

Modifying the Wye Cable-Stayed Bridge

Jackfield Bridge in Coalbrookdale

Sabrina Foot-Bridge at Worcester

Oscillation of Cable-Stayed Bridges

Upside Down Cable-Stayed Bridge

Invisible Cable-Stayed Bridges

Visible Cable-Stays

Missouri Cable-Stayed Bridge Opens

4. SUSPENSION BRIDGES

HOW SUSPENSION BRIDGES WORK

SUSPENSION BRIDGE TECHNICAL DETAILS

TYPES OF SUSPENSION BRIDGE CABLES

Parallel Wire Cables.

Parallel Strand Cables, Closed Construction

Parallel Strand Cables, Open Construction

Parallel Rope Cables, Open Construction

Single Rope or Single Strand Cables

Strands and Galvanized bridge Ropes

Notes on Suspension Bridge Design

Notes on Suspension Bridge Erection Calculations

Tables and Charts

5. EXAMPLES OF SUSPENSION BRIDGES

Clifton Suspension Bridge

The Wheeling suspension bridge

6. DESIGN OF THE BRIDGE

Final Code

Analysis Results:

APENDICES

Bibliography

Examples:

FIRST IDEAS, ERROS AND PROBLEMS