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ROAD NETWORK DEVELOPMENT PLAN FOR THE
MUNICIPALITY OF ALFONSO, CAVITE

DESIGN PROJECT

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**ROAD NETWORK DEVELOPMENT PLAN FOR THE MUNICIPALITY
OF ALFONSO, CAVITE**

**An Undergraduate Design Project
Submitted to the Faculty of
Cavite State University
Indang, Cavite**

**In partial fulfillment of
the requirements for the degree of
Bachelor of Science in Civil Engineering**

**JAMES NORIEL M. BENDO
MARY ANN C. DELACRUZ
April 2006**

ABSTRACT

BENDO, JAMES NORIEL M. and MARY ANN C. DELA CRUZ, Proposed Road Network Development Plan for the Municipality of Alfonso, Cavite. Undergraduate Design Project. Bachelor of Science in Civil Engineering. Cavite State University, Indang, Cavite. Adviser: Engr. Allan Rowel V. Alonalon.

The Proposed Road Network Development Plan for the Municipality of Alfonso, Cavite was conducted at Alfonso, Cavite from February 2005 to February 2006. The study aimed to provide a road network development plan that would contribute to the economic progress and enhancement of the town for the next 20 years and to provide a sufficient field data about the town road network.

Alternative C, combination of Alternative A (to develop the shortest possible route to connect each settlements/ barangays to poblacion) and Alternative B (to develop possible routes which connect barangay to each barangay) was found to be the most outstanding among of all. The proposed road network is applicable to the town for its mobility. The scaled model was done to provide the residents and other individuals with the topography of the land.

TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA.....	ii
ACKNOWLEDGMENT.....	iv
ABSTRACT	x
LIST OF FIGURES.....	xiii
LIST OF APPENDICES.....	xiv
INTRODUCTION.....	1
Significance of the Study.....	2
Statement of the Problem.....	3
Objectives of the Study.....	3
Scope and Limitation of the Study.....	4
Time and Place of the Study.....	4
Expected Output.....	4
REVIEW OF RELATED LITERATURE.....	5
Location of the Proposed Highway.....	6
Basic Consideration on Highway Location.....	7
Location of Bridges.....	8
Designing the Highway.....	9
Standard Highway Clearances-General.....	15
Highway Clearances for Bridges.....	17
Highway Clearances for Depressed Roadways.....	17

	Page
Definitions of Maps.....	18
Classification of Maps.....	19
The Representation of Relief.....	19
Definition of Terms.....	21
MATERIALS AND METHODS.....	23
Site Investigation.....	23
Data Gathering.....	23
Planning and Development Layout.....	24
Designing the Highway.....	25
Development of Scaled Model.....	27
RESULTS AND DISCUSSION.....	28
Area Profile.....	28
Data Gathering.....	29
Planning and Development Layout.....	30
Selecting the Best Alternative.....	32
Design of Curves.....	39
SUMMARY, CONCLUSION AND RECOMMENDATIONS.....	40
Summary.....	40
Conclusions.....	42
Recommendations	43
BIBLIOGRAPHY.....	44
APPENDICES.....	45

LIST OF FIGURES

Figure		Page
1	Clearance Diagram for Bridges.....	17
2	Curves.....	25

LIST OF APPENDIX FIGURES

Appendix Figure	Page
1 Province of Cavite.....	47
2 Location Map.....	48
3 Existing Road Network.....	49
4 Alternative A.....	50
5 Alternative B.....	51
6 Alternative C.....	52
7 Alternative D.....	53
8 Slope Map.....	54
9 General Land Use Plan.....	55
10 National Road.....	56
10a Curve 1.....	57
10b Curve 2.....	58
10c Curve 3.....	59
10d Curve 4.....	60
10e Curve 5.....	61

LIST OF APPENDIX TABLES

Appendix Table		Page
1	Survey Data Sheet.....	63
2	Existing Road of the Municipality.....	69
3	Existing Bridges of the Municipality.....	72
4	Projected Population.....	73
5	Projected Urban Road Requirements.....	75
6	Sharpest Permissible Horizontal Curves For Given Design Speed and Super Elevation.....	76
7	Approximate Distance of Proposed Roads.....	77

**PROPOSED ROAD NETWORK DEVELOPMENT
PLAN FOR THE MUNICIPALITY OF
ALFONSO, CAVITE^{1/}**

**JAMES NORIEL M. BENDO
MARY ANN C. DELA CRUZ**

^{1/}An undergraduate design project presented to the faculty of the Department of Civil Engineering, Cavite State University, Indang, Cavite in partial fulfillment of the requirement for the degree of Bachelor of Science in Civil Engineering (BSCE) Contribution No. CE 2005-06-011. Prepared under the supervision of Engr. Allan Rowel V. Alonalon.

INTRODUCTION

Municipality of Alfonso is an upland town situated at the southwest portion of Cavite province with a total land area of 6,998 hectares. It has 32 barangays, 5 of which are located in the poblacion. It is kilometers from 72 Manila via Tagaytay City. Magallanes bounds it on the west, Batangas province on the south, Mendez and Tagaytay City on the east, Gen. Aguinaldo on the northwest and Indang on the northeast.

The history of Alfonso way back to the 17th century when the place was then a wilderness, a vast land area covered with a thick forest. The town was originally part of barrio Lumampong in the pueblo of Indang. In the course of time, the pockets settlements grew into sittios and later on into barrios. The town became a separate and distinct municipality from Indang on May 16, 1859. The new town was called "Alas" for a period of 17 years. It was eventually named after King Alfonso XII of Spain, son of Queen Isabel II.