

**A STUDY ON THE TRAFFIC MANAGEMENT SYSTEM
OF INDANG TOWN PROPER, INDANG, CAVITE**

An Undergraduate Thesis
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ABSTRACT

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The study was undertaken at Indang Town Proper in Indang, Cavite from August 2017 to April 2018 to evaluate the existing traffic condition in the municipality along with its causes that leads to congestion and eventually suggest some possible changes that would help minimize or prevent the occurrence of far more congestions.

To determine the 50th and 85th percentile speed in certain roads, a Spot Speed Study was conducted and then comparing it to the speed limit indicated in the Municipal Ordinance.

To determine the volume of vehicles passing a certain location, traffic volume count or turning movement count was performed within and outside the Poblacion area. Peak hour factors were computed and the peak hour was also determined. Moreover, with the directional distribution of vehicles for each stretch volume-capacity ratio, level of service, service flow rate and flow rate was computed.

Service flow rate and flow rate for each road stretch were also computed and then compared it to the degree of congestion the stretch experienced. Flow rate is the prevailing condition while service flow rate is the actual volume the facility can offer. The computation showed that flow rate is larger than service flow rate.

TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA	iii
ACKNOWLEDGEMENT	v
PERSONAL ACKNOWLEDGEMENT	vii
PERSONAL ACKNOWLEDGEMENT	viii
ABSTRACT	x
LIST OF TABLES	xvi
LIST OF FIGURES	xx
LIST OF APPENDIX TABLES	xxv
LIST OF APPENDIX FIGURES	xxix
LIST OF APPENDICES	xxxv
INTRODUCTION	1
Statement of the Problem	2
Objectives	2
Significance of the Study	3
Scope and Limitation	3
Time and Place of the Study	3
Definition of Terms	4
REVIEW OF RELATED LITERATURE	10
METHODOLOGY	19
Analysis of the Existing Municipal Ordinance	19
Field Survey	19

Spot Speed Study	19
Sample size	21
Computation of speed	22
Traffic Volume	23
Vehicle classification	24
Count expansion	24
Peak hour and peak hour factor	24
Volume – capacity ratio and level of service	24
Improvements and recommendations	28
RESULTS AND DISCUSSION	29
Traffic Ordinance Analysis	29
Field Observation and Survey	31
Speed	34
Sagbat Intersection (Weekday Observation)	36
Sagbat Intersection (Weekend Observation)	37
Vehicle Classification	40
Kaytapos Intersection (Weekday Observation)	43
Kaytapos Intersection (Weekend Observation)	43
Vehicle Classification	46
Binambangan-Dimabiling Intersection (Weekday Observation)	48
Binambangan-Dimabiling Intersection (Weekend Observation)	48
Vehicle Classification	49
Calumpang and J. Dimabiling Intersection (Weekday Observation)	51

Calumpang and J. Dimabiling Intersection (Weekend Observation)	52
Vehicle Classification	54
Turning Volume Count	56
Sagbat Station	56
San Gregorio Street inbound	56
San Gregorio Street outbound	58
Tagaytay inbound	60
Tagaytay outbound	62
Buna Cerca inbound.	64
Buna Cerca outbound.	66
Kaytapos Station.	68
Buna Cerca inbound.	68
Buna Cerca outbound.	70
Kaytapos inbound.	72
Kaytapos outbound.	74
A. Mabini extension passing CvSU inbound	76
A. Mabini extension passing CvSU outbound.	78
Indang-Trece road inbound.	80
Indang-Trece road outbound.	82
J. Dimabiling Station.	84
Binambangan inbound.	84
Binambangan outbound.	86
Calumpang Station.	88

J. Dimabiling inbound	88
J. Dimabiling outbound	91
Mojica inbound	94
Mojica Street outbound	96
CVSU bypass road inbound.	99
CvSU bypass road outbound.	101
Calumpang Cerca road inbound.	103
Calumpang Cerca road outbound.	105
CvSU Rotunda Station	107
Governor R.Jeciel Street inbound	107
Governor R.Jeciel Street outbound.	109
Trece Martirez inbound	111
Trece Martirez outbound	113
CvSU inbound	115
CvSU outbound	117
Bancod inbound	119
Bancod outbound	121
San Gregorio Station	123
Gov. R. Jeciel Road (formerly Bañadero) inbound.	123
Gov. R. Jeciel Street (formerly Bañadero) outbound.	125
San Gregorio inbound.	127
San Gregorio outbound.	129
A.Mabini along Jollibee inbound.	131

A. Mabini along Jollibee outbound.	133
A. Mabini Station.	135
A. Mabini outbound.	135
Volume – Capacity Ratio and Level of Service.	137
Service Flow Rate	138
Traffic Density.	139
Traffic Condition Severity.	141
SUMMARY, CONCLUSION AND RECOMMENDATIONS	143
Summary	143
Conclusion	145
Recommendations.	146
REFERENCES	154
APPENDICES	156