TABLE OF CONTENTS

LOCATION REFERENCING MANAGEMENT SYSTEM (LRMS) MANUAL

Ρ	ART	A: WHAT IS LOCATION REFERENCING?	A-1
1		WHAT IS LOCATION REFERENCING?	A-3
		\mathcal{E}	A-4
		Purpose and Scope of the Manual	A-4
		Link to Other Manuals	A-5
		Policy	A-7
	1.5	Key Definitions and Acronyms	A-7
Ρ	ART	B: LOCATION REFERENCING METHOD	B-1
2		RECORDING A ROUTE POSITION	В-3
	2.1	Highway Direction	B-4
	2.2	Signs Overview	B-5
	2.3	On a Typical Highway	B-6
	2.4	On a Large Roundabout	B-7
	2.5	On a Divided Highway	B-9
	2.6	On Ramps	B-11
3		SIGN DESIGN AND PLACEMENT	B-13
	3.1	General Specification	B-14
	3.2	Reference Station Sign Details	B-16
	3.3	Typical Placement of Reference Stations	B-17
	3.4	Ramp Reference Station Sign Details	B-21
	3.5	Typical Placement of Ramp Reference Station	B-22
	3.6	Established Route Position Sign Details	B-23
	3.7	Typical Placement of Established Route Position	B-24
	3.8	Kilometre Marker Post Sign Details	B-25
	3.9	Typical Placement of Kilometre Marker Post	B-26
Ρ	ART	C: LOCATION REFERENCING PROCEDURES	C-1
4		NETWORK ACTIVITIES	C-3
	4.1	Transfer Local Road to Highway	C-4
	4.2	Revoke a Highway	C-13
		New Construction	C-21
	4.4	Modify LR Signs	C-32
5		OPERATION AND MAINTENANCE	C-41
	5.1	Routine Maintenance of LR Signs	C-42

Table of Contents Page 2

5.2 Displacement Measurement Procedure5.3 Guideline for Odometer Calibration	C-44 C-48			
PART D: LRMS SOFTWARE APPLICATION D-1				
6.1 Key Definitions 6.2 Role of RAMM/T6/Highways 6.3 Defining the Network Model in Highways 6.4 Managing External Databases	D-3 D-4 D-5 D-7 D-11			
PART E: ASSET IDENTIFICATION SIGNAGE E-1				
7.1 General Specification 7.2 Bridge Information System (BIS) Structure Number Sign Details 7.3 Typical Placement of BIS Structure Numbers 7.4 Small Culvert Marker Sign Details 7.5 Typical Placement of Small Culvert Marker	E-3 E-4 E-5 E-6 E-7 E-8			
APPENDICES				
Appendix A: Network Update Form				
Appendix B: Reference Station Locality Diagram				
Appendix C: Route Position Nomenclature				
Appendix D: Actual Cases of Layout and Placement of LR Signs				
Appendix E: Location Reference Sign Schedule Example				

Appendix F: Log of Electronic Tripmeter Calibration

Appendix G: Spatial Data Specification