Table of Contents

Chapter	Title	Issue Date
1	OVERVIEW	
1.1	Purpose	06/10
1.2	Importance of this Document	06/10
1.3	Sources of Information	06/10
1.4	Future Direction	06/10
1.5	How to use this Manual	06/10
1.6	Who should use this Manual	06/10
1.7	Acknowledgements	06/10
2	INTRODUCTION	
2.1	Effects of Roads and Traffic on Fauna	06/10
2.2	Objectives of Fauna Sensitive Road Design	06/10
3	PREFERRED PLANNING FOR MITIGATION MEASURES	
3.1	Concepts	06/10
3.2	Choice of Appropriate Fauna Mitigation Measures	06/10
3.3	Planning and Involvement	06/10
3.4	SMART Technique	06/10
3.5	Integrated and Holistic Approach	06/10
3.6	Key References	06/10
4	SITE ASSESSMENT AND MONITORING	
4.1	Ecological Site Assessment	06/10
4.2	Fauna Monitoring	06/10
5	MAINTENANCE REQUIREMENT	
5.1	Maintenance	06/10
5.2	Key References	06/10
6	MEASURES TO ACHIEVE FAUNA SENSITIVE ROADS	
6.1	Overpass: Land Bridge	06/10
6.2	Overpass: Small Roads (Dual Purposes)	06/10
6.3	Overpass: Cut and Cover Tunnel	06/10
6.4	Overpass: Canopy Bridge	06/10
6.5	Overpass: Poles	06/10
6.6	Underpass: Culvert	06/10
6.7	Underpass: Tunnel	06/10
6.8	Underpass: Bridge	06/10

Chapter	Title	Issue Date
6.9	Non-Structural Mitigation: Canopy Connectivity	06/10
6.10	Non-Structural Mitigation: Local Traffic Management	06/10
6.11	Barriers: Fencing	06/10
6.12	Barriers: Chemical Repellents	06/10
6.13	Barriers: Perching Deterrents	06/10
6.14	Habitat Enhancement: Frog Ponds	06/10
6.15	Habitat Enhancement: Nest Boxes	06/10
6.16	Habitat Enhancement: Artificial Shelter Sites	06/10
6.17	Considerations which influence effectiveness of Fauna Structures	06/10
6.18	Other Methods that influence the effectiveness of Fauna Structures	06/10
7	TARGET SPECIES DESIGN CONSIDERATIONS	
7.1	Fish	06/10
7.2	Amphibians	06/10
7.3	Platypus	06/10
7.4	Arboreal Species	06/10
7.5	Koala	06/10
7.6	Birds	06/10
7.7	Bats	06/10
7.8	Macropods	06/10
7.9	Small Mammals	06/10
7.10	Reptiles	06/10
7.11	Invertebrates	06/10
8	NON-NATIVE SPECIES DESIGN CONSIDERATION	
8.1	Deer	06/10
9	CASE STUDIES	
9.1	Tugun Bypass	06/10
9.2	Compton Road – Brisbane City Council	06/10
9.3	The East Evelyn Range Upgrade	06/10
9.4	Mount Higginbotham, Victoria	06/10
10	TERMINOLOGY AND ABBREVIATIONS	
10.1	Words, Expressions and Terms used in the Manual	06/10
10.2	Abbreviations	06/10
11	REFERENCES	06/10