



Table of Contents

Chapter 1 – Introduction	1-1
Background and Purpose	1-1
Legislation	1-2
Study Area.....	1-3
Benefits of Transportation Planning	1-3
Goals.....	1-6
Public Involvement.....	1-6
Meetings.....	1-6
LUTS Public Involvement Process	1-7
 Chapter 2 – Existing Transportation System	 2-1
Geography.....	2-1
Land Use	2-1
Environmental Features	2-1
Historical Landmarks and Sites.....	2-4
Soils and Farmlands	2-4
Floodplains	2-6
Wetlands	2-6
Parks and Recreation.....	2-9
Air Quality.....	2-10
Environmental Mitigation	2-11
Major Area Roadways.....	2-11
Existing Functional Classification	2-16
Existing Traffic Control	2-19
Daily Traffic Volumes.....	2-19
Traffic Operations (LOS)	2-21
Special Traffic Generators.....	2-25
International Bridges	2-30
Intermodal Facilities	2-33
Airport	2-35
Railroad.....	2-36
Trucks	2-38
Public Transportation.....	2-41
Bicycle and Pedestrian Facilities	2-41
Safety (Traffic Accidents).....	2-45
 Chapter 3 – Demographics & Travel Demand Model	 3-1
Demographic Data	3-1
Methodology	3-1
Population	3-6
Households and Housing Units	3-7
Employment.....	3-8
Special Generators	3-11
Demographics Used in the Model	3-13



Table of Contents

Networks/Travel Demand Model.....	3-13
Networks	3-13
Travel Model Forecasting	3-17
Chapter 4 – Project Evaluation	4-1
Project Selection Criteria	4-1
Transportation Improvement Needs	4-3
Alternative Improvements.....	4-4
Evaluation Alternatives	4-7
Demonstrated Need	4-7
Cost Reasonableness	4-7
Modal Impacts	4-9
Environmental / Socioeconomic Impacts.....	4-9
Project Readiness.....	4-10
Special Circumstances	4-10
Evaluation Summary.....	4-10
Environmental Justice Considerations	4-10
Chapter 5 – Financial Plan	5-1
Funding Sources	5-1
Federal and State	5-1
Innovative Financing Techniques.....	5-4
Texas Mobility Fund.....	5-4
Bonds	5-4
Toll Roads.....	5-4
Regional Mobility Authority	5-4
Comprehensive Development Agreements	5-4
Pass-Through Toll Agreements.....	5-5
State Infrastructure Bank.....	5-5
Rural Rail Transportation District	5-5
Historical Funding	5-5
Federal and State	5-5
Transit	5-5
Projected Funding Availability	5-6
Federal and State	5-6
Methodology for Year of Expenditure and Total Project Cost Calculations	5-7
Local Transportation Improvement Funding	5-7
Public Transportation Funding.....	5-7
Estimated Funding VS Expenditures	5-8
Chapter 6 – Transportation Improvements	6-1
Legislative Background	6-1
Project Selection	6-1
Recommended Transportation Improvements.....	6-1
State Sponsored Short-Range Projects.....	6-1



Table of Contents

Local Short Term Projects	6-8
State Sponsored Long-Range Projects	6-11
Local Sponsored Long-Range Projects	6-13
Effectiveness of the Recommended Transportation Plan	6-17
Enhancement Projects	6-17
Other Categories	6-17
Transit	6-18
Illustrative Projects.....	6-20
Aviation	6-23
Corridor Management.....	6-25
Corridor Preservation.....	6-25
Access Management.....	6-26
Appendix A – Public Comments	A-1
Appendix B – Project Evaluation Matrix	B-1
Appendix C –Pending Actions for Next Update.....	C-1
Appendix D – Total Project Cost and Year of Expenditure Breakdown	D-1