
Chapter 12: TRANSPORTATION ELEMENT

CONTENTS

Multi-Modal Transportation System	12-6
Transportation System Development.....	12-6
Right-of-Way	12-8
Roadways	12-9
Access.....	12-9
Active Transportation	12-10
Transit	12-11
Ferry	12-12
Rail and Freight	12-12
Air Transport.....	12-12
Concurrency and Level of Service.....	12-13
Transportation Demand Management.....	12-14
Environmental and Public Health.....	12-14
Coordination, Implementation, and Funding	12-15
TECHNICAL SECTIONS	
Preface	12-19
So What Has Changed and Where are We Now?.....	12-19
The Political Geography	12-19
People	12-19
The Planning Setting	12-19
The Reality	12-20
The Aspiration.....	12-20
Existing Conditions and Trends	12-21
Demographics and Travel	12-21
Population.....	12-21
Age	12-21

Travel Mode	12-21
Travel Time.....	12-21
County to County Travel	12-25
Travel Performance and Level of Service	12-25
Service Level Methodology.....	12-25
Arterial Service Levels.....	12-26
End-of-Year 2010 Traffic Volume Estimation	12-26
Forecasted Traffic Volumes	12-27
County Arterial Performance.....	12-27
State Level of Service	12-27
Highways of Statewide Significance and Regionally Significant State Highways	12-27
Evaluation of Current County Maintained Arterial System	12-28
County Arterial Performance 2010.....	12-29
2010 State Highway Performance	12-32
Pierce County Transit Service Providers	12-34
Current Transportation Plans, Programs, and Projects	12-38
Background	12-38
Transportation Plans and Projects.....	12-38
Washington State Department of Transportation	12-38
The Puget Sound Regional Council	12-38
Pierce County.....	12-39
Population, Jobs, Travel Characteristics and Performance	12-44
Background	12-44
Population and Job Growth	12-44
Summary of Key Land Use Assumptions and Inputs:	12-47
Travel	12-47
Types of Proposed Motorized Roadway Improvements	12-49
Intersection Improvement Projects.....	12-49
Analysis of Future Roadway System Performance	12-50
Analysis of 2030 County Roadway System	12-50
Analysis of 2030 Federal and State Roadway System	12-57

The Recommended Plan	12-61
The Key Components	12-61
Financing the Transportation Future	12-66
Transportation Needs and Resources.....	12-67
Key Finance Actions	12-67
Transportation Revenue Sources.....	12-67
Transportation Expenditures	12-68
The Transportation Improvement Costs – Element Recommendation	12-69
The Full Cost Accounting for Transportation.....	12-70
Maintenance.....	12-70
Operations	12-71
Preservation.....	12-72
Improvements.....	12-72
Safety Improvements.....	12-72
Capacity Improvements	12-72
Administration	12-72
Revenues.....	12-73
Revenue Shortfall.....	12-73
Active Transportation/Nonmotorized Transportation.....	12-74
Background	12-74
Active Transportation Planning Requirements.....	12-74
Existing Nonmotorized Projects.....	12-75
Programs and Strategies.....	12-79
Complete Streets	12-79
Safe Routes to Schools.....	12-79
Transportation Demand Management.....	12-80
Trail Development.....	12-80
Americans with Disabilities Act.....	12-81
Implementation	12-81
Ultimate Capacity.....	12-83
Transportation Demand Management (TDM)	12-84

Introduction	12-84
What is Transportation Demand Management (TDM)?.....	12-84
Why is TDM a Good Idea?.....	12-84
Pierce County Needs a Successful TDM Program.....	12-85
Pierce County Has Experience in Developing TDM Programs	12-85
The Constraints	12-86
Transit is Not Everywhere	12-86
Land Use.....	12-87
Moving the TDM Program – The Opportunities.....	12-87
JBLM	12-88
Sound Transit Success.....	12-88
Other Recommended Actions	12-90
Implementing the Plan.....	12-91
Selected Key Messages	12-91
Steps to Consider	12-91
Metrics	12-92
Transportation Demand Management.....	12-92
Roadways	12-92
Finance	12-92
Nonmotorized.....	12-92
Land Use.....	12-93
Meeting Vehicle Miles Travelled (VMT) Policy	12-93
Meeting the Intent of Reducing VMT	12-94
Developing Multimodal Level of Service Standards	12-95
Appendix A – Transportation Inventory	12-96
Background	12-96
Roadway Systems	12-96
Local and Regional Transit and Rail	12-97
Intrastate and Interstate Transit and Rail.....	12-100
Waterborne Transportation	12-101
Air Transport.....	12-101

Active Transportation	12-102
Appendix B	12-103
B-1 – Florida Department of Transportation Level of Service Table	12-104
B-2 – State and City 2030 Assumed Roadway Projects	12-108
B-3 – Highways of Statewide Significance	12-110
B-4 – Regionally Significant State Highways	12-111
Appendix C - Summary Statistics for Limited and Preferred Action Scenarios...12-112	
Appendix D – Transportation Projects from Adopted Plans.....	12-115
Outside Community Plan Areas	12-118
Alderton-McMillin.....	12-122
Anderson – Ketron Islands.....	12-124
Browns Point – Dash Point.....	12-126
Frederickson.....	12-128
Gig Harbor.....	12-131
Graham	12-136
Key Peninsula	12-141
Mid-County	12-146
Parkland-Spanaway-Midland.....	12-153
South Hill.....	12-158