

TABLE OF CONTENTS

Executive Summary

Overview and Background	1
Purpose of the Regional Transportation Plan Update	1
The Madison Area Transportation Planning Board (TPB)	1
Madison Metropolitan Planning Area	2
Governance Structure	2
Responsibilities	4
Federal Transportation Legislation and Transportation Planning Requirements	5
Safe, Accountable, flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)	5
SAFETEA-LU Planning Factors	5
SAFETEA-LU New Emphasis Areas	6
Other Significant Recent Federal Legislation and Programs	7
Regional Trends: How is the Region Growing and Changing?	11
Demographic-Who We Are and Where We Live	11
Population Growth.....	11
Other Demographic Trends	13
Household Growth	14
Economic-What We Do	15
Employment and Labor Force	15
Land Use Development	18
Commuting-Where We Work and How We Get There	22
General Travel Characteristics of the Dane County Region	27
The Regional Transportation System	29
Streets/Roadways and Bridges	29
Traffic Growth and Congestion	29
Public Transportation	37
Transit Services in the Madison Area	37
Metro Fixed Route Service, Ridership, and Performance Trends	40
Vehicle Fleet Maintenance and Safety	41
Bicycling	47
Bicycle Facilities	47
Bicycle Travel	47
Bicycle Sharing	49
Bicyclist Safety	51
State Complete Streets Policy	51
Walking	52
Pedestrian Travel	52
Pedestrian Safety	52
Travel Demand Management (TDM)	53
Rideshare Etc. Program	54
Incentive Programs	54
Van Pooling	55
UW-Madison Program	55
Park-and-Ride Lots	55
Car Sharing	56
Inter-regional Travel	57

Intercity Bus Service	57
Intercity Passenger Rail	59
Air Passenger Transportation	59
Goods/Freight Movement	61
Overall Freight Movement	61
Freight Facilities	64
Congestion Management Process	67
Introduction	67
Existing Transportation System Performance	69
System Performance Measures and Targets	69
Recommended Congestion Management Strategies	70
Monitoring Strategy Effectiveness	72
Update Process	72
Intelligent Transportation Systems (ITS) Architecture	72
Wisconsin ITS Architecture	73
Updates and Projects	74
Emergency Management	75
City of Madison Emergency Management Plan	75
Dane County Emergency Evacuation Plan	76
Goals and Policy Objectives and Recommendations/Implementation Strategies	77
Overall Transportation System	77
Land Use and Transportation System Coordination	79
Streets/Roadways	80
Public Transit	93
Paratransit/Specialized Transportation	100
Bicycle Transportation	101
Pedestrian Transportation	110
TDM/Ridesharing	112
Inter-regional Travel	113
Freight/Goods Movement	114
Rail Transportation	115
Air Transportation	116
Parking	116
Corridor Preservation	117
Financial Capacity Analysis	119
Introduction	119
Funding Trends	120
Municipal Streets/Roadways Funding	120
Federal and State Funding for Non-Transit Projects	120
Public Transit Funding	122
Projected Transportation Expenses and Revenues	125
Metropolitan Area Roadways Projects	127
Off-Street Bicycle Facility Projects	129
Environmental Justice Analysis	131
Environmental Justice Population and Areas of Concentration within the Madison Metropolitan Planning Area	132
Means of Transportation and Travel Time to Work for Environmental Justice Populations ..	132
Transportation Project Analysis	134
Transit Service Analysis	141

Regional Indicators-Measuring Progress Towards the Region's Transportation System Goals 145

Appendices to be added