

Regional Transportation Plan

2050

Charting Our Course

Madison Area



Madison Area
T • P • B
Transportation Planning Board
A Metropolitan Planning Organization



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Regional Transportation Plan 2050

for the Madison Metropolitan Area

Adopted April 5, 2017 by the
Madison Area Transportation Planning Board
121. S. Pinckney St., Suite 400
Madison, WI 53703

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The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation or WisDOT.

Resolution TPB No. 126

Adopting the Regional Transportation Plan 2050 for the Madison Metropolitan Area

WHEREAS, the Madison Area Transportation Planning Board (MATPB) is the designated Metropolitan Planning Organization (MPO) for the Madison, Wisconsin Metropolitan Area with responsibilities to perform regional transportation planning and programming, in cooperation with the Wisconsin Department of Transportation and Metro Transit, the major transit operator; and

WHEREAS, one of the primary responsibilities of the MATPB is to prepare and approve a long-range regional transportation plan in accordance with the Fixing America's Surface Transportation (FAST) Act (23 U.S.C. 104, 134) and implementing U.S. Department of Transportation (DOT) regulations (23 C.F.R. 450); and

WHEREAS, the regional transportation plan is a multi-modal transportation systems plan that defines the goals for the region and specifies the policies, projects, and strategies to help achieve these goals, and also ties the goals to performance measures to be used to track the region's progress in meeting plan goals over time; and

WHEREAS, the MATPB has updated the current adopted plan, the *2035 Regional Transportation Plan Update*, and extended the planning horizon from the year 2035 to 2050 using new population, household, and employment forecasts and revised travel demand forecasts to the year 2050; and

WHEREAS, the MATPB has followed the prescribed federal guidance for development of regional transportation plans as set out in the Metropolitan Transportation Planning rule, 23 C.F.R. 450 in the preparation of the plan, including consideration of the federal planning factors, identification of performance measures, and preparation of financial, environmental, and environmental justice analyses of the plan; and

WHEREAS, the MATPB's public involvement process for the plan included use of an interactive plan website where materials, including the draft plan, and notices of meetings were posted, oversight by a plan advisory committee to guide the planning process, a regional values and priorities survey, three series of public meetings throughout the process, other presentations and updates, and a March 1 public hearing on the draft plan, and comments have been considered throughout the process and changes made to draft materials and the draft plan as determined to be appropriate; and

WHEREAS, the regional transportation plan is intended to guide implementing agencies in development of projects and implementation of other recommendations and supporting actions to guide improvements for all modes of transportation until the next major update of the plan in five years; and

WHEREAS, in the meantime the MATPB commits to working with WisDOT and Metro Transit to identify the performance targets for the federal required transportation system performance measures as these measures are finalized, implement other requirements of the new

performance-based approach to planning, and annually prepare a performance measures report indicating progress achieved in reaching the selected targets for the federal measures as well as progress on the other measures selected by the MATPB to gauge success in achieving the goals of the regional transportation plan:

NOW THEREFORE BE IT RESOLVED, the MATPB adopts the *Regional Transportation Plan (RTP) 2050 for the Madison Metropolitan Area*, which incorporates the changes to the Draft RTP 2050, dated February 2017, listed in the Addition/Change sheet dated April 5, 2017, as the official transportation plan for the region to serve as a guide for transportation planning, system development, and investments and as the basis for the MATPB's review of proposed projects in the Transportation Improvement Program; and that this plan supersedes the *2035 Regional Transportation Plan Update*.

BE IT FURTHER RESOLVED that the MATPB certifies that the federal metropolitan transportation planning process is addressing major issues facing the metropolitan area and is being conducted in accordance with all applicable federal requirements, including:

1. 23 U.S.C. 134 and 49 U.S.C. 5303, and this subpart;
2. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 C.F.R. Part 21;
3. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
4. Sections 1101(b) of the Fixing America's Surface Transportation (FAST) Act (Pub. L. 114-357) and 49 C.F.R. Part 26 regarding the involvement of disadvantaged business enterprises in U.S. DOT funded projects;
5. 23 C.F.R. Part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
6. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 C.F.R. Parts 27, 37, and 38;
7. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
8. 23 U.S.C. 324 regarding the prohibition of discrimination based on gender; and
9. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 C.F.R. 27 regarding discrimination against individuals with disabilities.

04/05/2017
Date Adopted



Al Matano, Chair
Madison Area Transportation Planning Board

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List of Acronyms

ACS	American Community Survey	O/D	Origin - Destination
ADA	Americans with Disabilities Act (1990)	O & M	Roadway Operations and Maintenance Costs
ADAD	Advanced Driver Assistance Systems	QCEW	Quarterly Census of Employment and Wages
ADT	Average Daily Traffic	PASER	Pavement Surface Evaluation and Rating
AWT	Average Weekday Traffic	PCI	Pavement Condition Index
BIC	Beltline-Interstate Interchange	PDI	Pavement Distress Index
BLS	Bureau of Labor Statistics	PEL	Planning and Environmental Linkages
BR	Bridge Replacement Rehabilitation Program	PHFS	Primary Highway Freight System
BRT	Bus Rapid Transit	PM 2.5	Fine particulate matter suspended in air
CAC	Citizen Advisory Committee	PNR	Park-and-Ride
CARPC	Capital Area Regional Planning Commission	ROW	Right of Way
CBD	Central Business District	RSVP	Retired Senior Volunteer Driver Escort Program
CMP	Congestion Management Process	RTA	Regional Transit or Transportation Authority
CO2	Carbon Dioxide	RTP	Regional Transportation Plan
CP	Canadian Pacific Railroad	SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
CRSC	Capital Region Sustainable Communities Consortium	SASY	Schenk-Atwood-Starkweather-Yahara Neighborhood
CRFC	Critical Rural Freight Corridor	SHR	State Highway Rehabilitation
CSS	Context Sensitive Solutions	SHSP	Strategic Highway Safety Plan
CTH	County Trunk Highway	SOV	Single Occupant Vehicle
CUFS	Critical Urban Freight Corridor	SRTS	Safe Routes to School
DCDHS	Dane County Department of Human Services	STBG	Surface Transportation Program Block Grant
DCRA	Dane County Regional Airport	STH	State Trunk Highway
DCRTA	Dane County Regional Transit Authority	STOC	State Traffic Operations Center
EA	Environmental Assessment	STP	Surface Transportation Program
EIS	Environmental Impact Statement	TAP	Transportation Alternatives Program
EJ	Environmental Justice	TAZ	Traffic Analysis Zone
EPA	Environmental Protection Agency	TCC	Technical Coordinating Committee
FAST Act	Fixing America's Surface Transportation Act	TDM	Travel Demand Management
FHWA	Federal Highway Administration	TDP	Transit Development Plan
FTA	Federal Transit Administration	TID	Tax Increment District
FUDA	Future Urban Development Area	TIGER	Transportation Investment Generating Economic Recovery (Grant Program)
FY	Fiscal Year	TIP	Transportation Improvement Program
GIS	Geographic Information System	TMA	Transportation Management Area
GPS	Global Positioning System	TOD	Transit-Oriented Development
GTA	General Transportation Aids	TOIP	Transportation Operations Infrastructure Plan
HSIP	Highway Safety Improvement Program	TOPS	(UW-Madison) Traffic Operations and Safety (Laboratory)
HSMO	Highway System Management and Operations Program	TPC	Transportation Projects Commission
HUD	U.S. Department of Housing and Urban Development	TSM	Transportation Systems Management
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991	UAFP	Urbanized Area Formula Program
ITS	Intelligent Transportation Systems	UAS	Unmanned Aircraft System
LED	Light Emitting Diode	UAV	Unmanned Aerial Vehicle
LEED	Leadership in Energy and Environmental Design	UP	Union Pacific Railroad
LEHD	Longitudinal Employer-Household Dynamics (Survey)	UPWP	Unified Planning Work Program
LOS	Level of Service	USA	Urban Service Area
LRIP	Local Roads Improvement Program	USDOT	United States Department of Transportation
MAP-21	Moving Ahead for Progress in the 21st Century Act	USH	U.S. Highway
MATC	Madison Area Technical College/Madison College	UW	University of Wisconsin
MATPB	Madison Area Transportation Planning Board	V/C	Volume-to-Capacity Ratio
MPO	Metropolitan Planning Organization	VMT	Vehicle Miles Traveled
MUTCD	Manual on Uniform Traffic Control Devices	V2I	Vehicle to Infrastructure Communication
NBI	National Bridge Inventory	V2V	Vehicle to Vehicle Communication
NEPA	National Environmental Policy Act	WisDNR	Wisconsin Department of Natural Resources
NHFN	National Highway Freight Network	WisDOA	Wisconsin Department of Administration
NHFP	National Highway Freight Program	WisDOT	Wisconsin Department of Transportation
NHPP	National Highway Performance Program	WISLR	Wisconsin Information System for Local Roads
NHS	National Highway System Program	WRRTC	Wisconsin River Rail Transit Commission
NHTS	National Household Transportation Survey	WSOR	Wisconsin & Southern Railroad Company
NHTSA	National Highway Traffic Safety Administration	3C	Continuing, Comprehensive, and Cooperative Transportation Planning Process
NMFN	National Multimodal Freight Network	3-E	Engineering, Education, and Enforcement
NTD	National Transit Database		