



CONNECT GREATER MADISON 2050

REGIONAL TRANSPORTATION PLAN



GREATER MADISON
mpo

May 2022

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Connect Greater Madison 2050

Regional Transportation Plan for the Madison Metropolitan Area

Greater Madison Metropolitan Planning Organization

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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.

MPO 2022 Resolution No. 4

Approving the *Connect Greater Madison* Regional Transportation Plan 2050 for the Madison Metropolitan Area

WHEREAS, the Greater Madison MPO is the designated Metropolitan Planning Organization 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 MPO is to prepare and approve a long-range regional transportation plan in accordance with the Infrastructure Investment & Jobs Act (IIJA), also known as the Bipartisan Infrastructure Bill (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 policies, projects, and recommendations to help achieve these goals; and

WHEREAS, the Greater Madison MPO has updated the current adopted plan, *Regional Transportation (RTP) 2050 for the Madison Metropolitan Area*, using new population, household, and employment forecasts based on the growth scenario developed for the Capital Area Regional Planning Commission's *Regional Development Framework*, and revised the year 2050 travel demand forecasts accordingly;

WHEREAS, the updated plan, *Connect Greater Madison Regional Transportation 2050* for the Madison Metropolitan Area, ties the plan goals to performance measures that were used to evaluate the performance of the plan and which will also be used to track the region's progress in meeting plan goals over time; and

WHEREAS, in preparing the *Connect Greater Madison* plan the Greater Madison MPO followed federal guidance as set out in the Metropolitan Transportation Planning rule, 23 C.F.R. 450, including consideration of the federal planning factors, identification of performance measures, preparation of financial, environmental, environmental justice and system performance analyses of the plan, and preparation of an updated Congestion Management Process; and

WHEREAS, in preparing the *Connect Greater Madison* plan the Greater Madison MPO utilized an extensive public involvement process, including a plan website, survey, focus groups, three series of virtual public information meetings, other presentations, and a public hearing, and comments have been considered throughout the process and changes made to draft plan 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; and


WHEREAS, since the adoption of the previous RTP 2050 the MPO has coordinated with WisDOT and Metro Transit to identify federal performance measure targets as these measures have been finalized and worked to implement other performance-based planning and programming requirements, and the MPO has annually prepared a performance measures report indicating progress achieved in reaching the federal measure targets and improving performance on other regional measures selected by MPO to gauge success in achieving plan goals:

NOW THEREFORE BE IT RESOLVED, the Greater Madison MPO adopts the *Connect Greater Madison* Regional Transportation Plan 2050 for the Madison Metropolitan Area, which incorporates the changes to the Draft Plan, dated April 2022, listed in the Addition/Change sheet dated May 5, 2022, 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 Greater Madison MPO's review of proposed projects in the Transportation Improvement Program; and that this plan supersedes the previous *Regional Transportation Plan 2050*, dated April 2017.

BE IT FURTHER RESOLVED that the Greater Madison MPO 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 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.

May 11, 2022
Date Adopted



Mark Opitz, Chair
Greater Madison MPO

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List of Acronyms

AADT	Annual Average Daily Traffic	EJ	Environmental Justice	LEED	Leadership in Energy and Environmental Design
ACS	American Community Survey	EPA	Environmental Protection Agency	LEHD	Longitudinal Employer-Household Dynamics (Survey)
ADA	Americans with Disabilities Act (1990)	ERH	Emergency Ride Home	LOS	Level of Service
ADAD	Advanced Driver Assistance Systems	FAST Act	Fixing America's Surface Transportation Act	LRIP	Local Roads Improvement Program
ADT	Average Daily Traffic	FHWA	Federal Highway Administration	LTS	(Bicycle) Level of Traffic Stress
AWT	Average Weekday Traffic	FRA	Federal Railroad Administration	MAP-2	Moving Ahead for Progress in the 21st Century Act
BIC	Beltline-Interstate Interchange	FTA	Federal Transit Administration	MATC	Madison Area Technical College/ Madison College
BIL	Bipartisan Infrastructure Law (aka IIJA)	FUDA	Future Urban Development Area	MIPRC	Midwest Interstate Passenger Rail Commission
BLS	Bureau of Labor Statistics	FY	Fiscal Year	MPO	Metropolitan Planning Organization
BR	Bridge Replacement Rehabilitation Program	GIS	Geographic Information System	MUTCD	Manual on Uniform Traffic Control Devices
BRT	Bus Rapid Transit	GPS	Global Positioning System	MWRRP	Midwest Regional Rail Plan
CARPC	Capital Area Regional Planning Commission	GTA	General Transportation Aids	NBI	National Bridge Inventory
CBD	Central Business District	HH	Household	NEPA	National Environmental Policy Act
CMP	Congestion Management Process	HSIP	Highway Safety Improvement Program	NHFN	National Highway Freight Network
CO2	Carbon Dioxide	HSMO	Highway System Management and Operations Program	NHFP	National Highway Freight Program
CP	Canadian Pacific Railroad	HUD	U.S. Department of Housing and Urban Development	NHPP	National Highway Performance Program
CRFC	Critical Rural Freight Corridor	IIJA	Infrastructure Investment & Jobs Act (aka BIL)	NHS	National Highway System Program
CSS	Context Sensitive Solutions	ISTEA	Intermodal Surface Transportation Efficiency Act of 1991	NHTS	National Household Transportation Survey
CTH	County Trunk Highway	ITS	Intelligent Transportation Systems	NHTSA	National Highway Traffic Safety Administration
DCRA	Dane County Regional Airport	LED	Light Emitting Diode		
EA	Environmental Assessment				
EIS	Environmental Impact Statement				

NMFN	National Multimodal Freight Network	SOV	Single Occupant Vehicle	UAV	Unmanned Aerial Vehicle
NTD	National Transit Database	SRTS	Safe Routes to School	UP	Union Pacific Railroad
OCR	Office of the Commissioner of Railroads	STBG	Surface Transportation Program Block Grant	UPWP	Unified Planning Work Program
O/D	Origin - Destination	STH	State Trunk Highway	USA	Urban Service Area
O & M	Roadway Operations and Maintenance Costs	STOC	State Traffic Operations Center	USDOT	United States Department of Transportation
QCEW	Quarterly Census of Employment and Wages	STP	Surface Transportation Program	USH	U.S. Highway
PASER	Pavement Surface Evaluation and Rating	TAP	Transportation Alternatives Program	UW	University of Wisconsin
PCI	Pavement Condition Index	TAZ	Traffic Analysis Zone	V/C	Volume-to-Capacity Ratio
PDI	Pavement Distress Index	TCC	Technical Coordinating Committee	VMT	Vehicle Miles Traveled
PEL	Planning and Environmental Linkages	TDM	Travel Demand Management	V2I	Vehicle to Infrastructure Communication
PHFS	Primary Highway Freight System	TDP	Transit Development Plan	V2V	Vehicle to Vehicle Communication
PIM	Public Involvement Meeting	TID	Tax Increment District	WisDNR	Wisconsin Department of Natural Resources
PNR	Park-and-Ride	TIGER	Transportation Investment Generating Economic Recovery (Grant Program)	WisDOA	Wisconsin Department of Administration
RDF	Regional Development Framework (CARPC)	TIP	Transportation Improvement Program	WisDOT	Wisconsin Department of Transportation
ROW	Right of Way	TMA	Transportation Management Area	WISLR	Wisconsin Information System for Local Roads
RSVP	Retired Senior Volunteer Driver Escort Program	TOD	Transit-Oriented Development	WRRTC	Wisconsin River Rail Transit Commission
RTA	Regional Transit or Transportation Authority	TOIP	Transportation Operations Infrastructure Plan	WSOR	Wisconsin & Southern Railroad Company
RTP	Regional Transportation Plan	TOPS	(UW-Madison) Traffic Operations and Safety (Laboratory)		
SHR	State Highway Rehabilitation	TPC	Transportation Projects Commission		
SHSP	Strategic Highway Safety Plan	TSM	Transportation Systems Management		
SLATS	Stateline Area Transportation Study	UAFP	Urbanized Area Formula Program		
		UAS	Unmanned Aircraft System		