

## MDOT REGIONS AND TRANSPORTATION SERVICE CENTERS

# SUPERIOR REGION

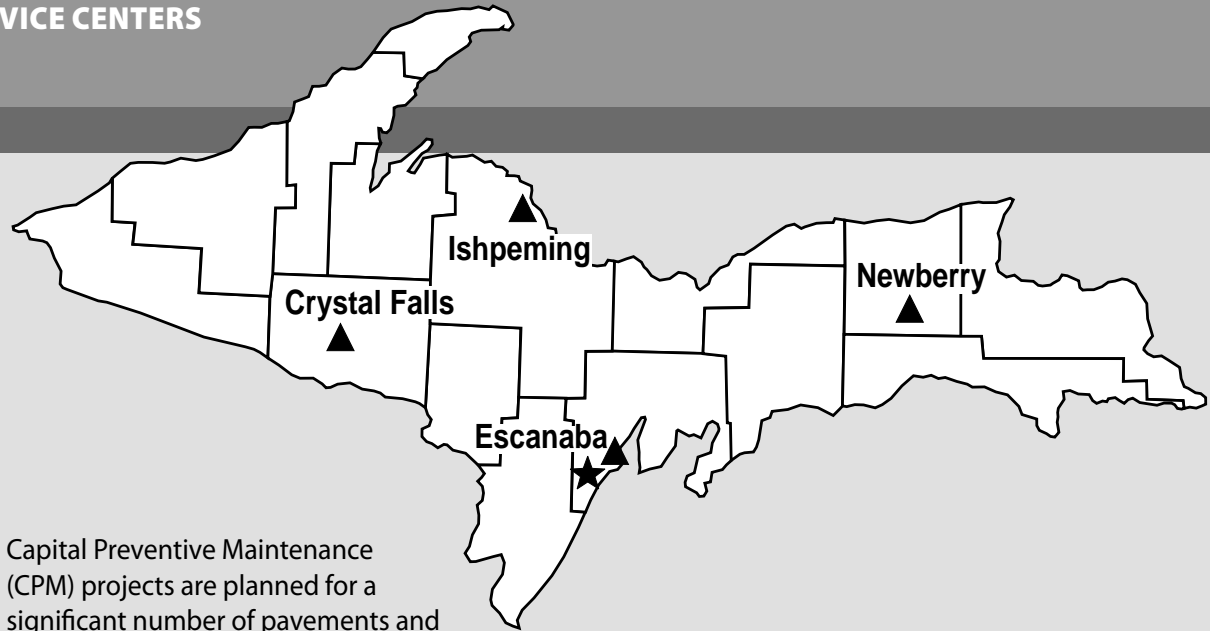
The Superior Region includes all 15 counties in the Upper Peninsula: Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, and Schoolcraft. Major state and federal highways include: I-75, US-41, US-45, US-2, M-26, M-35, M-95, M-117 and M-28. Connecting these state highways are six economic centers: Escanaba, Iron Mountain, Marquette, Houghton, Menominee, and Sault Ste. Marie.

### Five-Year Road and Bridge Program

The road and bridge preservation projects identified in this 2010 to 2014 Five-Year Transportation Program for the Superior Region total approximately \$164 million. Investment is allocated in the following manner:

SUPERIOR REGION	TOTAL 2010-2014
ROAD PRESERVATION	\$80 MILLION
BRIDGE PRESERVATION	\$11 MILLION
ROAD AND BRIDGE CPM	\$73 MILLION
<b>TOTAL 2010-2014</b>	<b>\$164 MILLION</b>

(Amounts are rounded to the nearest million dollars)



Capital Preventive Maintenance (CPM) projects are planned for a significant number of pavements and structures that do not require extensive repairs during this Five-Year Transportation Program period. CPM projects are short-term fixes, adding from five to 10 years of life to a pavement or maintaining the existing structure condition.

SUPERIOR REGION	Route Miles OF Road	Number of Bridges and Structures
TOTAL IN REGION	1,820	487
SCHEDULED WORK	147	9
PERCENTAGE OF REGION	8%	2%

The 2010-2014 program for road preservation work reflects approximately 147 (eight percent) of the Superior Region's more than 1,820 route miles of state trunklines during the next five years. The 2010-2014 program for bridge preservation work will address nine (two percent) of the region's 487 trunkline bridges and structures.

There are also a number of programs that are selected based on statewide priorities or where project identification is completed throughout the year. These investments are not reflected above, but are included in the statewide investment strategy. Below is a brief description of major preservation projects that are currently planned for the 2010-2014 program.

## 2010

In 2010, seven road and ITS projects are planned for construction in the Superior Region, totaling approximately \$6.9 million. Road projects were selected in Marquette, Delta, and Gogebic Counties. Two additional ITS projects will be constructed at various locations throughout the Upper Peninsula.

### **US-41 Intersection Improvements, Marquette County (ARRA Funded)**

The Upper Peninsula's first round-about will be constructed in Marquette County in 2010. The round-about will be constructed at the Front Street and US-41 location just south of downtown Marquette, and will replace the existing, deteriorated multi-ramp intersection. The project will be funded through the ARRA.

### **I-75 Business Spur Reconstruction, Chippewa County**

More than one-half mile of I-75 BS will be reconstructed in Sault Ste. Marie, from 10th Avenue to Easterday Avenue. MDOT is partnering with the city to upgrade water main lines throughout this project area, as well as upgrade existing sidewalk ramps to current Americans with Disabilities Act standards. MDOT is also coordinating this project with a locally funded streetscape project planned for 2011 along the I-75BS, from Easterday Avenue to the Power Canal (Sheridan Street). This project is located along an MDOT Corridor of International Significance and is nearly two miles from the International Bridge border crossing.

### **Intelligent Transportation Systems Projects, Various Upper Peninsula Locations (ARRA Funded)**

Two Intelligent Transportation Systems (ITS) projects will be funded in 2010 as part of the ARRA. The ITS projects will include eight Road Weather Information Systems (RWIS) and the installation of Digital Message Signs (DMS) at numerous locations. These projects will enable MDOT to provide real-time information pertaining to weather and road conditions and advanced warning of planned and unplanned detours and closures.

### **US-41 Reconstruction, Menominee County**

Nearly two miles of US-41 will be reconstructed in Menominee County from 20th Avenue to 48th Avenue. The project will include two-lane re-configurations: a one mile stretch of four-lane highway will be converted to a three-lane, and a one mile stretch will be converted from a four-lane to a five-lane configuration. The lane re-configurations will improve safety and maintain capacity through this busy section of US-41. MDOT will also be partnering with the city to upgrade utilities, improve sidewalk ramps, and implement access management wherever possible.

### **US-2 Reconstruction, Iron County**

Nearly a mile of US-2 through Crystal Falls Township and the city will be reconstructed, from US-141 to Sheldon Street. The roadway will be re-configured from a two-lane to a three-lane section, making the entire city/township corridor a contiguous three-lane highway. MDOT is partnering with the local governments to ensure utility upgrades are coordinated with the road construction project. MDOT also partnered with the city and township to submit a successful enhancement application to make major aesthetic and non-motorized improvements along this commercial corridor.

### **US-41 Baraga Cliffs Project, Baraga County**

A one mile section of US-41 will be re-located 100 feet west in Baraga County as a result of a receding cliff along the east side of the highway. The project will begin at Old US-41 and end at Chelsey Creek. MDOT partnered with the owners of an existing railroad to provide the necessary right-of-way for the relocation. MDOT also partnered with the Michigan Technological University to conduct a two-year study which monitored the rate of recession of the Baraga Cliffs.

## 2011

### **US-141, Dickinson County**

A major road and bridge project is planned for US-141, from the Wisconsin state line to US-2 in Dickinson County. A new bridge will be installed on US-141 over the Menominee River, just south of Iron Mountain. The bridge will include 10-foot shoulders and a barrier separated 8-foot-wide non-motorized pathway on the east side of the structure.

MDOT collaborated with Dickinson County, the Cities of Niagara and Iron Mountain, and the Wisconsin Department of Transportation to ensure the new structure will accommodate future needs. US-141 will be resurfaced and intersection improvements will be made at the Breitung Cutoff Road intersection. Safety improvements will also be made at or near the US-2/US-141 intersection, improving traffic flow on and off of US-2.

### **US-2 Reconstruction, Mackinac County**

Approximately five miles of US-2 will be reconstructed from M-117 to the Milecoquins River. Located along a "Corridor of International Significance," this section of highway receives a significant amount of tourist and commercial traffic. As such, the road will remain open during construction, via a temporary widening. The project will also include a new carpool lot at the northeast corner of M-117 and US-2.

## 2012

### **US-41 Reconstruction, Menominee County**

Approximately eight miles of US-41 will be reconstructed in Menominee County, from G12 Road to Bagley. Portions of this project throughout the City of Stephenson will include a two- to three-lane conversion. Additional coordination with local officials will occur to ensure access management improvements will be pursued at key locations.

### **US-2 Reconstruction, Iron County**

A half mile section of US-2 will be reconstructed through Iron River, from 9th Street to River Street. MDOT is coordinating with the city to ensure utility upgrades are coordinated with the road construction project. MDOT has also worked with the city to submit an enhancement application to improve aesthetics and non-motorized accommodations along the section of highway.

## 2013

### **M-189 Reconstruction, Iron County**

Over a mile of M-189 will be reconstructed in Iron County, from Hiawatha Street to US-2. A major portion of this project will include the removal of a curved section of roadway. This will improve the safety by correcting existing site distance issues. In hopes of further improving safety and maintaining capacity, MDOT will also pursue the conversion of this portion of highway from a four-lane to a three-lane configuration.

## 2014

### **M-35 Reconstruction, Menominee County**

A major reconstruction project is planned for a one mile section of M-35, just north of downtown Menominee. Project limits will extend from US-41, north to 40th Avenue MDOT will partner with the city to coordinate utility upgrades and non-motorized facility improvements with the road construction project.

# 2010-2014 ROAD & BRIDGE PROGRAM

## Repair and Rebuild - Roads and Bridges

### SUPERIOR Bridge - Replacement and Rehabilitation

COUNTY	ROUTE (COMMON NAME)	DIR.	LOCATION	TYPE OF WORK	LENGTH	2010	2011	2012	2013	2014
CHIPPEWA	I-75		EASTERDAY AVENUE OVER I-75	WIDEN-MAINT LANES	0.254		CON			
CHIPPEWA	I-75		EASTERDAY AVENUE OVER I-75	OVERLAY - DEEP	0.254		CON			
CHIPPEWA	M-129		M-129 OVER SOUTH BRANCH CHARLOTTE RIVER	BRIDGE REPLACEMENT	0.000	CON				
DICKINSON	US-141		US-141 OVER MENOMINEE RIVER	BRIDGE REPLACEMENT	0.000	CON				
LUCE	M-123 (Falls Road)		M-123 OVER MURPHY CREEK	CULVERT REPLACEMENT	11.085	CON				
MACKINAC	I-75		I-75 OVER HOBAN CREEK	CULVERT REPLACEMENT	0.000		CON			
MACKINAC	I-75 SB		I-75 SB OVER CARP RIVER	OVERLAY - DEEP	1.532	CON				
MACKINAC	I-75 SB		I-75 SB OVER OLD US-2	OVERLAY - DEEP	1.532	CON				
					13.125					

# 2010-2014 ROAD & BRIDGE PROGRAM

## Repair and Rebuild - Roads and Bridges

### SUPERIOR Repair and Rebuild Roads

COUNTY	ROUTE (COMMON NAME)	DIR.	LOCATION	TYPE OF WORK	LENGTH	2010	2011	2012	2013	2014
ALGER	M-94 (M-94)	FES	CHATHAM TO MUNISING	TRAFFIC OPERATIONS OR SAFETY WORK	10.200			CON		
BARAGA	US-41		US-41, BARAGA COUNTY	RECONSTRUCTION	1.621	CON				
CHIPPEWA	I-75 BS (South Mackinac Trail)		FROM NORTH OF 10TH AVENUE TO ASHMUN STREET BRIDGE	RESURFACE	0.609	CON				
CHIPPEWA	I-75BS		I-75 BS FROM EASTERDAY AVE TO POWER CANAL	RECONSTRUCTION	0.253		CON			
CHIPPEWA	I-75BS (Portage Ave)		I-75BS, PORTAGE AVENUE	RECONSTRUCTION	0.622		CON			
CHIPPEWA	M-129 (Pickford Road)		SOUTH OF M-80 TO NORTH OF 10 MILE ROAD	RESTORATION AND REHABILITATION	7.251		CON			
CHIPPEWA	M-129 (Pickford Road)		M-129 OVER FLETCHER CREEK	HMA CAP (NO MEMBRANE)	7.251		CON			
CHIPPEWA	M-28		RACCO CONC SECTION	RESTORATION AND REHABILITATION	5.143					CON
CHIPPEWA	M-28		FROMLUCE CL TO M-123	RESTORATION AND REHABILITATION	10.769				CON	
CHIPPEWA	M-48		FROM M-129 TO M-134	TRAFFIC OPERATIONS OR SAFETY WORK	24.000			CON		
DELTA	M-35 (M-35)		25TH AVE SOUTH TO US-2	RECONSTRUCTION	1.850				CON	
DICKINSON	US-141		US-141 FROM STATE LINE TO US-2 IN DICKINSON COUNTY	RESTORATION AND REHABILITATION	1.533		CON			
HOUGHTON	M-26		TAMARACK TO HUBBEL	RECONSTRUCTION	1.220		CON			
HOUGHTON	M-26		LAURIUM	RECONSTRUCTION	1.110				CON	
HOUGHTON	M-26		M-26, OSCEOLA TOWNSHIP, HOUGHTON COUNTY	RESURFACE	1.180			CON		
HOUGHTON	M-26		M-26, HOUGHTON COUNTY	RESURFACE	3.130					CON
IRON	M-189		NORTH OF HIAWATHA ROAD TO US-2	RECONSTRUCTION	1.184				CON	
IRON	US-2		WEST OF US-141 TO EAST OF SHELDON STREET	RECONSTRUCTION	0.828	CON				
IRON	US-2		IRON RIVER	RECONSTRUCTION	0.580			CON		
IRON	US-2		US-2 FROM URBAN ST. TO CO. RD. 424	RESTORATION AND REHABILITATION	2.390					CON
KEWEENAW	M-26 (M-26)	FES	CEDAR CREEK IN KEWEENAW COUNTY	RESTORATION AND REHABILITATION	0.038	CON				
LUCE	M-28		FROM BORGSTROM RD TO THE LUCE CL	RESTORATION AND REHABILITATION	5.977			CON		
MACKINAC	US-2		BORGSTROM ROAD TO HIAWATHA TRAIL	RESURFACE	8.689				CON	
MACKINAC	US-2		M-117 TO NAUBINWAY	RESTORATION AND REHABILITATION	5.092		CON			
MARQUETTE	US-41/M-28		BAYOUT ST TO THE CARP RIVER	RECONSTRUCTION	2.290			CON		
MENOMINEE	M-35 (M-35)		US-41 NORTH TO 48TH AVE.	RECONSTRUCTION	0.950					CON
MENOMINEE	US-41 (Bridge Street)		20TH AVENUE TO 48TH AVENUE	RECONSTRUCTION	1.890	CON				
MENOMINEE	US-41		COUNTY ROAD G-12 TO BAGLEY	RESTORATION AND REHABILITATION	7.959			CON		
ONTONAGON	M-26 (M-26)	FES	US-141 (IRON COUNTY) AND M-26 (ONTONAGON COUNTY)	TRAFFIC OPERATIONS OR SAFETY WORK	31.323	CON				
ONTONAGON	M-28 (M-28)		FOUR LOCATIONS, ONTONAGON AND DICKINSON COUNTIES	RESTORATION AND REHABILITATION	0.001			CON		
					139.682					