



Asset Management Outcomes and Needs for STIP Years and Beyond

Prepared by Minnesota Department of Transportation

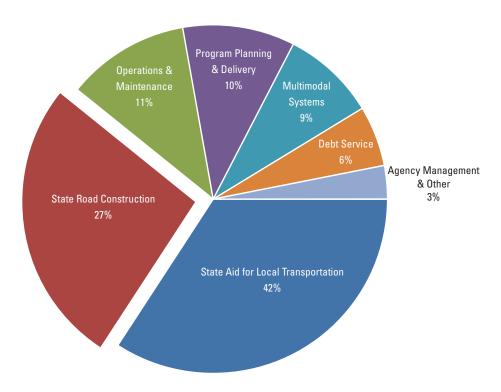
Office of Transportation System Management

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NOTE: This document is based on data from the draft 2014-2017 STIP (released April 2013), as reported in the Minnesota 20-year State Highway Investment Plan (MnSHIP, released December 2013).

MnDOT Appropriation Allocation Plan, All Appropriations, 2012 to 2013 Biennium (\$6 billion)

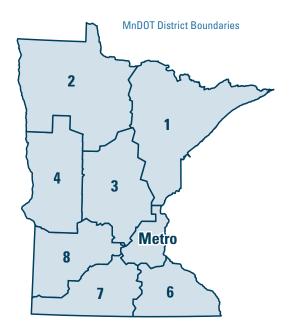


Source: MnDOT Office of Financial Management, Financial Snapshot, State Fiscal Year 2012, February Forecast

State Transportation Investment Program (STIP) investments constitute the portion of MnDOT's budget allocated to State Road Construction, as shown in the figure above.

Investments in 2014-2017 STIP

Investment totals for the 2014-2017 STIP are presented on the following pages at the statewide level and for each district. The figure to the right maps the boundaries of MnDOT's eight districts. District boundaries generally follow county lines but in some instances split counties based on geographical features or other factors.



Statewide - 14,330 Roadway Miles

Investr	nent Category	2014	2015	2016	2017	STIP Total	% Total
ment	Pavement Condition	\$352.2 M	\$292.9 M	\$251.8 M	\$266.2 M	\$1,163.1 M	37%
Asset Management	Bridge Condition	\$193.7 M	\$177.1 M	\$148.7 M	\$238.2 M	\$757.7 M	24%
Asset	Roadside Infrastructure Condition	\$77.6 M	\$84.6 M	\$81.9 M	\$48.9 M	\$292.9 M	9%
Trav	veler Safety	\$30.6 M	\$24.9 M	\$22.3 M	\$38.5 M	\$116.2 M	4%
SI	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
nnectior	Twin Cities Mobility	\$38.3 M	\$34.8 M	\$45.1 M	\$48.1 M	\$166.3 M	5%
Critical Connections	Bicycle Infrastructure	\$7.5 M	\$11.0 M	\$7.3 M	\$6.4 M	\$32.1 M	1%
Ö	Accessible Pedestrian Infrastructure	\$12.0 M	\$9.9 M	\$15.4 M	\$10.2 M	\$47.5 M	2%
_	al + Community ement Priorities	\$71.3 M	\$55.4 M	\$14.4 M	\$17.1 M	\$158.3 M	5%
Proj	ect Support	\$144.9 M	\$103.4 M	\$97.7 M	\$67.7 M	\$413.8 M	13%
	Total	\$928.1 M	\$793.9 M	\$684.5 M	\$741.3 M	\$3,147.8 M	

District 1 - 2,195 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$21.0 M	\$48.8 M	\$31.6 M	\$49.3 M	\$150.6 M	44%
Asset nagem	Bridge Condition	\$12.7 M	\$46.8 M	\$13.6 M	\$11.0 M	\$84.2 M	25%
Asset Management	Roadside Infrastructure Condition	\$6.4 M	\$14.7 M	\$12.8 M	\$7.6 M	\$41.5 M	12%
Tra	aveler Safety	\$1.2 M	\$3.8 M	\$1.4 M	\$5,408	\$6.3 M	2%
SI	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
Critical Connections	Bicycle Infrastructure	\$56,387	\$56,387	\$3,887	\$16,137	\$0.1 M	0%
Con	Accessible Pedestrian Infrastructure	\$318,021	\$318,021	\$2.4 M	\$924,121	\$4.0 M	1%
	nal + Community vement Priorities	\$1.5 M	\$18.0 M	\$200,000	\$200,000	\$19.9 M	6%
Pro	oject Support	\$9.2 M	\$7.9 M	\$8.7 M	\$8.6 M	\$34.4 M	10%
	Total	\$52.3 M	\$140.3 M	\$70.8 M	\$77.6 M	\$341.1 M	

District 2 - 1,639 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$13.2 M	\$20.2 M	\$11.8 M	\$8.7 M	\$53.9 M	37%
Asset nagem	Bridge Condition	\$10.2 M	\$5.3 M	\$17.9 M	\$6.4 M	\$39.8 M	27%
Asset Management	Roadside Infrastructure Condition	\$4.2 M	\$5.4 M	\$1.7 M	\$1.4 M	\$12.8 M	9%
Tra	aveler Safety	\$745,697	\$1.0 M	\$5.6 M	\$1.0 M	\$8.4 M	6%
us	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
Critical Connections	Bicycle Infrastructure	\$422,079	\$638,369	\$854,500	\$387,320	\$2.3 M	2 %
Conr	Accessible Pedestrian Infrastructure	\$249,084	\$639,237	\$3.1 M	\$305,460	\$4.3 M	3%
	nal + Community vement Priorities	\$7.5 M	\$500,000	\$2.2 M	\$3.7 M	\$13.8 M	9%
Pro	oject Support	\$3.1 M	\$3.1 M	\$3.1 M	\$2.9 M	\$12.2 M	8%
	Total	\$39.6 M	\$36.8 M	\$46.3 M	\$24.8 M	\$147.5 M	

District 3 - 1,983 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$36.5 M	\$35.6 M	\$46.2 M	\$27.1 M	\$145.4 M	50%
Asset nagem	Bridge Condition	\$6.7 M	\$7.5 M	\$13.9 M	\$18.1 M	\$46.2 M	16%
Asset Management	Roadside Infrastructure Condition	\$4.9 M	\$6.0 M	\$6.8 M	\$4.3 M	\$22.0 M	8%
Tra	aveler Safety	\$2.3 M	\$2.5 M	\$2.4 M	\$3.1 M	\$10.3 M	4%
SU	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
Critical Connections	Bicycle Infrastructure	\$762,861	\$662,820	\$671,280	\$1.0 M	\$3.1 M	1%
Conr	Accessible Pedestrian Infrastructure	\$892,391	\$577,244	\$847,240	\$729,450	\$3.0 M	1%
	nal + Community vement Priorities	\$15.4 M	\$3.6 M	\$1.0 M	\$1.0 M	\$21.0 M	7%
Pro	oject Support	\$8.5 M	\$16.0 M	\$10.0 M	\$5.6 M	\$40.1 M	14%
	Total	\$75.9 M	\$72.3 M	\$81.8 M	\$61.0 M	\$291.1 M	

District 4 - 1,811 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$55.0 M	\$29.1 M	\$18.2 M	\$24.2 M	\$126.5 M	54%
Asset nagem	Bridge Condition	\$412,752	\$3.5 M	\$15.6 M	\$2.6 M	\$22.1 M	9%
Asset Management	Roadside Infrastructure Condition	\$8.4 M	\$5.8 M	\$8.4 M	\$2.2 M	\$24.7 M	11%
Tra	aveler Safety	\$3.8 M	\$2.4 M	\$1.8 M	\$3.8 M	\$11.8 M	5%
us	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
Critical Connections	Bicycle Infrastructure	\$210,000	\$5.5 M	\$2.0 M	\$30,972	\$7.8 M	3%
Conr	Accessible Pedestrian Infrastructure	\$2.6 M	\$605,026	\$240,571	\$826,968	\$4.2 M	2%
	nal + Community vement Priorities	\$1.8 M	\$9.5 M	\$6.1 M	\$1.6 M	\$19.0 M	8%
Pr	oject Support	\$4.4 M	\$4.3 M	\$4.6 M	\$3.6 M	\$16.9 M	7%
	Total	\$76.6 M	\$60.9 M	\$56.8 M	\$38.8 M	\$233.1 M	

Metro District - 1,758 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$100.9 M	\$50.1 M	\$66.4 M	\$67.9 M	\$285.2 M	23%
Asset nagem	Bridge Condition	\$144.1 M	\$56.2 M	\$70.2 M	\$117.6 M	\$388.2 M	31%
Asset Management	Roadside Infrastructure Condition	\$32.5 M	\$36.3 M	\$37.3 M	\$18.2 M	\$124.3 M	10%
Tra	aveler Safety	\$7.3 M	\$6.4 M	\$2.0 M	\$21.5 M	\$37.3 M	3%
SU	Twin Cities Mobility	\$38.3 M	\$34.8 M	\$45.1 M	\$48.1 M	\$166.3 M	13%
Critical Connections	Bicycle Infrastructure	\$3.6 M	\$430,903	\$1.9 M	\$520,950	\$6.4 M	1%
Conr	Accessible Pedestrian Infrastructure	\$5.6 M	\$3.9 M	\$6.6 M	\$3.1 M	\$19.2 M	2%
	nal + Community vement Priorities	\$23.9 M	\$7.5 M	\$4.6 M	\$4.2 M	\$40.1 M	3%
Pro	oject Support	\$85.2 M	\$43.8 M	\$38.8 M	\$26.9 M	\$194.8 M	15%
	Total	\$441.4 M	\$239.5 M	\$272.9 M	\$308.0 M	\$1,261.8 M	

District 6 - 1,825 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$53.4 M	\$57.0 M	\$19.6 M	\$17.7 M	\$147.7 M	36%
Asset nagem	Bridge Condition	\$5.2 M	\$52.8 M	\$10.2 M	\$65.8 M	\$133.9 M	33%
Asset Management	Roadside Infrastructure Condition	\$6.3 M	\$7.7 M	\$4.0 M	\$3.1 M	\$21.1 M	5%
Tra	aveler Safety	\$9.6 M	\$5.1 M	\$4.0 M	\$2.1 M	\$20.7 M	5%
SU	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
Critical Connections	Bicycle Infrastructure	\$891,036	\$2.7 M	\$617,608	\$2.4 M	\$6.6 M	2%
Conr	Accessible Pedestrian Infrastructure	\$738,744	\$2.5 M	\$633,271	\$2.7 M	\$6.6 M	2%
	nal + Community vement Priorities	\$10.6 M	\$2.4 M	\$0	\$0	\$13.1 M	3%
Pro	oject Support	\$24.3 M	\$15.3 M	\$15.4 M	\$5.5 M	\$60.5 M	15%
	Total	\$111.1 M	\$145.5 M	\$54.4 M	\$99.2 M	\$410.2 M	

District 7 - 1,633 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$39.7 M	\$25.3 M	\$35.2 M	\$50.2 M	\$150.4 M	51%
Asset nagem	Bridge Condition	\$8.6 M	\$4.0 M	\$7.2 M	\$14.0 M	\$33.9 M	12%
Asset Management	Roadside Infrastructure Condition	\$6.8 M	\$3.9 M	\$6.1 M	\$8.4 M	\$25.2 M	9%
Tra	aveler Safety	\$3.0 M	\$2.1 M	\$1.9 M	\$3.1 M	\$10.1 M	3%
SI	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
Critical Connections	Bicycle Infrastructure	\$1.4 M	\$918,987	\$1.3 M	\$1.9 M	\$5.6 M	2%
Con	Accessible Pedestrian Infrastructure	\$770,357	\$601,941	\$665,856	\$1.3 M	\$3.4 M	1%
	nal + Community vement Priorities	\$9.8 M	\$9.4 M	\$0	\$6.0 M	\$25.2 M	9%
Pro	oject Support	\$7.0 M	\$8.8 M	\$13.5 M	\$11.5 M	\$40.8 M	14%
	Total	\$77.2 M	\$55.0 M	\$65.9 M	\$96.4 M	\$294.5 M	

District 8 - 1,486 miles

Inves	tment Category	2014	2015	2016	2017	STIP Total	% Total
ent	Pavement Condition	\$32.5 M	\$26.9 M	\$22.8 M	\$21.2 M	\$103.4 M	61%
Asset nagem	Bridge Condition	\$5.8 M	\$867,158	\$0	\$2.7 M	\$9.3 M	6%
Asset Management	Roadside Infrastructure Condition	\$8.0 M	\$4.8 M	\$4.7 M	\$3.8 M	\$21.3 M	13%
Tr	aveler Safety	\$2.7 M	\$1.6 M	\$3.1 M	\$3.9 M	\$11.3 M	7 %
ns	Interregional Corridor Mobility	\$0	\$0	\$0	\$0	\$0	0%
Critical Connections	Bicycle Infrastructure	\$83,720	\$54,982	\$0	\$55,200	\$0.2 M	0%
Conr	Accessible Pedestrian Infrastructure	\$854,260	\$750,984	\$919,656	\$217,600	\$2.7 M	2%
_	nal + Community vement Priorities	\$862,900	\$4.4 M	\$440,000	\$484,000	\$6.2 M	4%
Pr	oject Support	\$3.2 M	\$4.2 M	\$3.6 M	\$3.2 M	\$14.2 M	8%
	Total	\$54.0 M	\$43.5 M	\$35.6 M	\$35.5 M	\$168.6 M	

Bridge Investment Outcomes



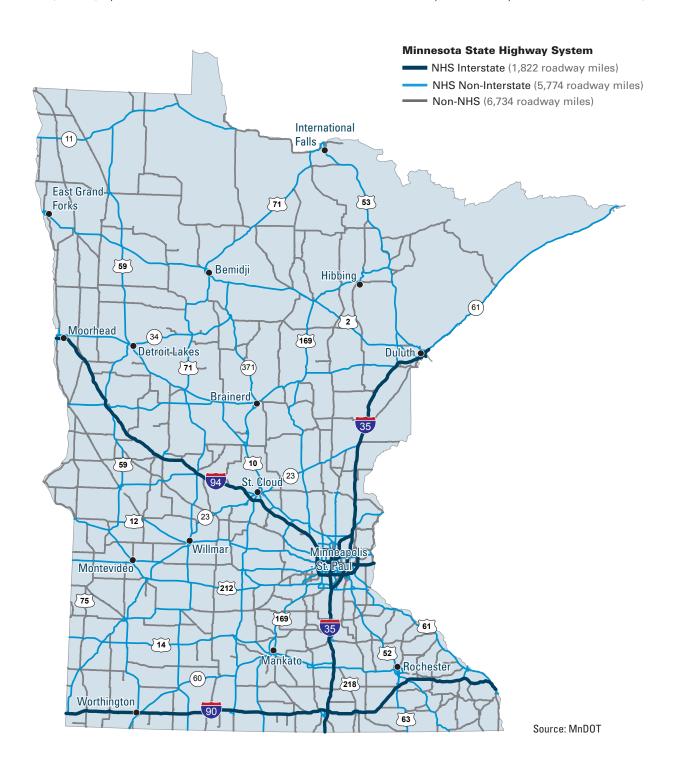
Source: MnDOT Bridge Office

NHS Bridges in "Poor" Condition as a Percentage of Total NHS Bridge Deck Area

Bridge condition improved in 2013 after a 2012 uptick in the percent of NHS bridge deck area in Poor condition. This spike occurred because the very large Blatnik Bridge connecting Duluth and Superior was assigned a Poor condition rating following a 2011 inspection. MnDOT has since carried out a major rehabilitation on this bridge that improved its condition and extended its useful life.

Pavement Investment Outcomes

The state highway system is a 14,330-roadway mile network of Interstate, Non-Interstate National Highway System (NHS) road, and Non-NHS road. The map below shows the extent of the state highway system. Tables on pages 9-13 show historic and projected pavement condition at the statewide level and for each district. (NOTE: The Minnesota 20-Year Highway Investment Plan (MnSHIP) reports on 12,000-centerline miles of road versus the 14,330-roadway miles of road presented in this document.)



Statewide

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"						
		State System (14,330 miles) - "	Poor" Ride Quality Index	of 2.0 or less						
2009		6.9%		989						
2010		5.2%		739						
2011	5.0 - 9.0%	6.6%	717 - 1,290	945						
2012		5.6%		797						
2013		4.7%		669						
2014		4.4%*		635*						
2015	5.0 - 9.0%	4.5%*	717 - 1,290	650*						
2016	5.0 - 9.0%	5.7%*	717 - 1,290	824*						
2017		6.7%*		960*						
	Interstate (1,822 miles) - "Poor" Ride Quality Index of 2.0 or less									
2009		7.0%		128						
2010	3.4%	62								
2011	2.0%	3.9%	36	71						
2012		2.4%		44						
2013		2.4%		44						
2014		1.5%*		27*						
2015	0.00/	1.7%*	00	31*						
2016	2.0%	1.6%*	36	29*						
2017		2.0%*		36*						
	N	Ion-Interstate NHS (5,774 miles)	- "Poor" Ride Quality Ind	ex of 2.0 or less						
2009		5.0%		289						
2010		3.8%		219						
2011	4.0%	5.1%	231	294						
2012		4.3%		248						
2013		2.9%		167						
2014		3.3%*		191*						
2015	4.00/	3.6%*	221	208*						
2016	4.0% 231		Z31	243*						
2017		4.7%*		271*						



MnDOT's annual spending on pavement preservation; FY 2009 - 2017 (\$ millions)

■ Better Roads ■ ARRA ■ Regular Program

Source: MnDOT Materials Office

^{**} Future year spending projections based on planned investments in the 2013-2016 STIP

District 1

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"
	Int	erstate (192 miles) - "Po	or" Ride Quality Index of	2.0 or less
2011		3.9%		7
2012	2.0%	6.5%	4	12
2013		3.2%		6
2014	2.0%	2.7%*		5*
2015		4.7%*	4	9*
2016		4.4%*		8*
2017		3.8%*		7*
	Non-Int	erstate NHS (915 miles)	- "Poor" Ride Quality Ind	ex of 2.0 or less
2011		7.0%		64
2012	4.0%	4.9%	37	45
2013		2.9%		27
2014		3.9%*		36*
2015	4.0%	5.6%*	37	51*
2016		7.1%*		65*
2017		5.9%*		54*

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"	
	Non-Interstate NHS (616 miles) - "Poor" Ride Quality Index of 2.0 or less				
2011		0.6%		4	
2012	4.0%	0.7%	25	4	
2013		0.6%		4	
2014		0.6%*		4*	
2015	4.00/	1.2%*	OF.	7*	
2016	4.0%	1.3%*	25	8*	
2017		1.9%*		12*	

District 3

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"
	Int	erstate (182 miles) - "Po	or" Ride Quality Index of	2.0 or less
2011		1.8%	4	3
2012	2.0%	1.8%		3
2013		0.0%		0
2014		0.0%*		0*
2015	0.00/	0.3%*	4	1*
2016	2.0%	0.0%*		0*
2017		0.0%*		0*
	Non-Interstat		- "Poor" Ride Quality Inc	lex of 2.0 or less
2011		4.9%	42	51
2012	4.0%	2.9%		30
2013		1.9%		20
2014		2.2%*	42	23*
2015	4.0%	2.1%*		22*
2016		1.4%*		15*
2017		2.2%*		23*

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"
	Int	erstate (230 miles) - "Po	or" Ride Quality Index of	2.0 or less
2011		0.0%		0
2012	2.0%	0.0%	5	0
2013		0.0%		0
2014		0.0%*		0*
2015	2.00/	0.1%*	5	0*
2016	2.0%	0.1%*		0*
2017		0.1%*		0*
Non-Interstate NHS (587 miles)		- "Poor" Ride Quality Index of 2.0 or less		
2011		2.5%		15
2012	4.0%	2.3%	23	14
2013		2.6%		15
2014		1.9%*		11*
2015	4.00/	2.5%*	23	15*
2016	4.0%	3.7%*		22*
2017		4.9%*		29*

Metro District

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"
	Int	erstate (517 miles) - "Po	or" Ride Quality Index of	2.0 or less
2011		5.4%	10	28
2012	2.0%	3.6%		19
2013		3.0%		16
2014		2.2%*		11*
2015	2.00/	2.3%*	10	12*
2016	2.0%	3.0%*		16*
2017		3.3%*		17*
	Non-Int	erstate NHS (739 miles)	- "Poor" Ride Quality Ind	ex of 2.0 or less
2011		3.7%	30	27
2012	4.0%	4.0%		30
2013		2.5%		18
2014		2.8%*	30	21*
2015	4.0%	3.3%*		24*
2016		3.7%*		27*
2017		4.3%*		32*

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"
	Int	erstate (416 miles) - "Po	or" Ride Quality Index of	2.0 or less
2011		2.6%		11
2012	2.0%	1.4%	8	6
2013		3.0%		12
2014		1.2%*		5*
2015	2.00/	0.4%*	0	2*
2016	2.0%	0.2%*	8	1*
2017		0.2%*		1*
	Non-Int	erstate NHS (513 miles)	- "Poor" Ride Quality Ind	ex of 2.0 or less
2011		8.5%		44
2012	4.0%	8.5%	21	44
2013		7.0%		36
2014		6.4%*		33*
2015	4.00/	5.6%*	21	29*
2016	4.0%	4.8%*		25*
2017		4.1%*		21*

District 7

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"
	Int	erstate (285 miles) - "Po	or" Ride Quality Index of	2.0 or less
2011		0.0%		0
2012	2.0%	1.0%	6	3
2013		3.3%		9
2014	2.0%	2.3%*		7*
2015		2.6%*	6	7*
2016		1.6%*	0	5*
2017		3.7%*		11*
	Non-Int	erstate NHS (623 miles)	- "Poor" Ride Quality Indo	ex of 2.0 or less
2011		6.1%		38
2012	4.0%	7.0%	25	44
2013		3.3%		21
2014		4.4%*		27*
2015	4.0%	3.9%*	05	24*
2016	4.070	6.4%*	25	40*
2017		8.6%*		54*

Year	Target	Current/Projected*	Target-Miles "Poor"	Actual/Projected* Miles "Poor"	
	Non-Interstate NHS (736 miles) - "Poor" Ride Quality Index of 2.0 or less				
2011		6.8%		50	
2012	4.0%	5.0%	29	37	
2013		3.9%		29	
2014		4.5%*		33*	
2015	4.00/	4.8%*	20	35*	
2016	4.0%	5.3%*	29	39*	
2017		3.3%*		24*	

Mandates Guiding Investment Decisions

MAP-21

The surface transportation bill, Moving Ahead for Progress in the 21st Century (MAP-21), established new requirements for federal highway programs. MAP-21 expanded the number of highways classified as the National Highway System (NHS) to include Interstates, most U.S. Highways, and other principal arterials in Minnesota, which slightly increases the amount of NHS to 45 percent of the state highway system. The bill establishes national goals and requires USDOT to establish performance measures for the NHS in several categories. The legislation sets the target for NHS bridges in Poor condition and USDOT will set targets for interstate pavement condition. States will set performance targets for most measures in coordination with metropolitan planning organizations (MPOs) and providers of public transportation.

Chapter 152 Bridge Program

The Chapter 152 Bridge Program authorized MnDOT to issue \$1.2 billion in bonds to be used for bridge improvements on the state highway system through 2018. To repay its Chapter 152 bonds, Minnesota currently has a 3.5 cent per gallon surcharge on top of its 25 cent per gallon gas tax rate. An additional \$600 million were authorized through this program for non-bridge needs.

GASB 34

Minnesota adopted the Government Accounting Standards Board Statement 34 (GASB 34) financial reporting requirements for the value and condition of its major infrastructure assets in 2001. MnDOT set performance thresholds for highway infrastructure, such as the condition of pavements and bridges. This infrastructure must be at or above GASB 34 thresholds or resulting financial actions could negatively affect Minnesota's future bond rating, which could negatively impact state and local units of government by increasing the cost of borrowing money.

Bridge and Pavement Needs

BRIDGE NEEDS

By the year 2023, 54% of MnDOT's bridges will be over 50 years old. The chart below details anticipated investment types needed to address these assets.

By the year 2023				
Number of bridges	% of Total	Age in 2023	Presumed Investment Need	
562	12%	Will be over 70 years old	Replacement	
970	21%	Will be over 60 years old	Replacement	
1,736	38%	~1/3 will be over 50 years old	Replacement/major rehab	
2,485	54%	>1/2 will be over 40 years old	Major rehabilitation	
641	14%	Will reach 20 years old	Preservation investment	

The following bridges have emerged as having uncertain funding requirements not previously identified in established MnSHIP bridge priorities. They provide an example of unanticipated need due to changing asset condition:

- I-35 bridge in Duluth
- TH 169 bridge over Nine Mile Creek
- I-35W bridge over Minnesota River

PAVEMENT NEEDS

At current rates of investment, MnDOT paves 520 centerline miles per year.

MnDOT's target for pavements on the entire state highway system is 5-9% in Poor Condition. Currently, MnDOT is within that range and is projected to remain within targets through 2016. It is projected that, in 2016, 984 miles of state highway pavements will be in Poor condition, which is 8.3% of the statewide system. To reach 5% Poor condition, MnDOT would need to pave an additional 267 miles per year.

Risk Mitigation During MnSHIP Years (2014-2023)

Key Capital Investment Risks	Mitigated Risk Through Year 10 (of 3 ✓)	Mitigated Risk Through Year 20 (Of 3 ✓)
GASB 34: pavement and bridge conditions deteriorate jeopardizing state bond rating	√ √	✓
Federal policy: failure to achieve MAP-21 performance targets on NHS reduces funding flexibility	√√ √	✓
MnDOT policy: misalignment with Vision and Statewide Multimodal Transportation Plan results in loss of public trust	√ √	✓
Bridges: deferring bridge investments viewed as an unwise/unsafe strategy	$\checkmark\checkmark\checkmark$	√√
Responsiveness: rigid investment priorities limits ability to support local economic development and quality of life opportunities	√ √	_
Operations budget: untimely or reduced capital investment leads to unsustainable maintenance costs	$\checkmark\checkmark$	✓
Public outreach: investment inconsistent with MnSHIP public outreach results in loss of public trust	√ √	_

√√√	Adequately mitigated MnDOT mitigates most or all of the risk through its investment priorities
√ ✓	Partially mitigated MnDOT mitigates most of the risk through its investment priorities, but must accept some risk
✓ or —	Unmanaged or inadequately mitigated MnDOT is unable to mitigate the risk well, and must accept much of the risk or transfer it to another agency