

# Mn/DOT Structure Inventory Report

Bridge ID: 5900

TH 43 over MISS RVR, RR, STREETS

Date: 05/05/2008

+ GENERAL +	+ ROADWAY +	+ INSPECTION +
Agency Br. No.	Bridge Match ID (TIS) 1	Deficient Status ADEQ
District 6 Maint. Area 6A	Roadway O/U Key 1-ON	Sufficiency Rating 49.8
County 85 - WINONA	Route Sys/Nbr MNTH 43	Last Inspection Date 04-16-2007
City WINONA	Roadway Name or Description	Inspection Frequency 12
Township	MN 43	Inspector Name
Desc. Loc. 2.8 MI N OF JCT TH 61	Roadway Function MAINLINE	Structure A-OPEN
Sect., Twp., Range 22 - 107N - 07W	Roadway Type 2 WAY TRAF	+ CONDITION CODES +
Latitude 44d 03m 27.36s	Control Section (TH Only) 8503	Deck 2 % UNSOUND 6
Longitude 91d 38m 23.20s	Ref. Point (TH Only) 044+00.892	Superstructure 5
Custodian STATE HWY	Date Opened to Traffic 08-01-1986	Substructure 6
Owner STATE HWY	Detour Length 65 mi.	Channel 8
Inspection By DISTRICT 6	Lanes 2 Lanes ON Bridge	Culvert N
BMU Agreement No.	ADT (YEAR) 11,900 (2004)	+ APPRAISAL RATINGS +
Year Built 1941	HCA DT 476	Structure Evaluation 5
Year Fed Rehab 1985	Functional Class. URB/OTH PR ART	Deck Geometry 4
Year Remodeled 1985	+ RDWY DIMENSIONS +	Underclearances 4
Temp	If Divided NB-EB SB-WB	Waterway Adequacy 8
Plan Avail. CENTRAL	Roadway Width 31.0 ft	Approach Alignment 8
+ STRUCTURE +	Vertical Clearance 18.0 ft	+ SAFETY FEATURES +
Service On HWY;PED	Max. Vert. Clear. 18.0 ft	Bridge Railing 1-MEETS STANDARDS
Service Under HWY;RR;STREAM	Horizontal Clear. 31.0 ft	Appr. Guardrail 0-SUBSTANDARD
Main Span Type CSTL HIGH TRUSS	Lateral Clr. - Lt/Rt	GR Transition 0-SUBSTANDARD
Main Span Detail WARREN W/VERT	Appr. Surface Width 31.0 ft	GR Termini N-NOT REQUIRED
Appr. Span Type CSTL DECK TRUSS	Roadway Width 31.0 ft	+ IN DEPTH INSP. +
Appr. Span Detail WARREN W/VERT	Median Width	Frac. Critical Y 24 mo 07/2007
Skew	+ MISC. BRIDGE DATA +	Underwater Y 60 mo 07/2004
Culvert Type	Structure Flared NO	Pinned Asbly. Y 48 mo 07/2007
Barrel Length	Parallel Structure NONE	Spec. Feat.
Number of Spans	Field Conn. ID RIVETED	+ WATERWAY +
MAIN: 3 APPR: 21 TOTAL: 24	Cantilever ID PIN & HANGER	Drainage Area
Main Span Length 450.0 ft	Foundations	Waterway Opening 99999 sq ft
Structure Length 2,288.5 ft	Abut. CONC - SPRD SOIL	Navigation Control PERMIT REQD
Deck Width 34.4 ft	Pier CONC - SPRD SOIL	Pier Protection NOT REQUIRED
Deck Material C-I-P CONCRETE	+ PAINT +	Nav. Vert./Horz. Clr. 63 ft 438.0 ft
Wear Surf Type MONOLITHIC CONC	Year Painted 1993 Pct. Unsound 30 %	Nav. Vert. Lift Bridge Clear.
Wear Surf Install Year	Painted Area 239,130 sf	MN Scour Code R-CRIT;MONITOR
Wear Course/Fill Depth	Primer Type LEAD, IRON OXIDE	Scour Evaluation Year
Deck Membrane NONE	Finish Type PHENOLIC RESIN ALUM.	+ CAPACITY RATINGS +
Deck Rebars EPOXY COATED REBAR	+ BRIDGE SIGNS +	Design Load HS15
Deck Rebars Install Year 1985	Posted Load NOT REQUIRED	Operating Rating HS 30.0
Structure Area 78,724 sq ft	Traffic NOT REQUIRED	Inventory Rating HS 17.0
Roadway Area 70,945 sq ft	Horizontal NOT REQUIRED	Posting
Sidewalk Width - L/R 4.5 ft	Vertical NOT REQUIRED	Rating Date 04-01-1986
Curb Height - L/R 0.67 ft 0.67 ft		Mn/DOT Permit Codes
Rail Codes - L/R 43 43		A: 1 B: 1 C: 1

# Mn/DOT Structure Inventory Report

Bridge ID: 5900

TH 43 over MISS RVR, RR, STREETS

Date: 05/05/2008

+ GENERAL +	+ ROADWAY +	+ INSPECTION +
Agency Br. No.	Bridge Match ID (TIS) 2	Deficient Status ADEQ
District 6 Maint. Area 6A	Roadway O/U Key A-UNDER (1ST)	Sufficiency Rating 49.8
County 85 - WINONA	Route Sys/Nbr MSAS 102	Last Inspection Date 04-16-2007
City WINONA	Roadway Name or Description	Inspection Frequency 12
Township	MSAS 102	Inspector Name
Desc. Loc. 2.8 MI N OF JCT TH 61	Roadway Function MAINLINE	Structure A-OPEN
Sect., Twp., Range 22 - 107N - 07W	Roadway Type 2 WAY TRAF	+ CONDITION CODES +
Latitude 44d 03m 27.36s	Control Section (TH Only)	Deck 2 % UNSOUND 6
Longitude 91d 38m 23.20s	Ref. Point (TH Only)	Superstructure 5
Custodian STATE HWY	Date Opened to Traffic 11-01-1942	Substructure 6
Owner STATE HWY	Detour Length 65 mi.	Channel 8
Inspection By DISTRICT 6	Lanes 2 Lanes UNDER Bridge	Culvert N
BMU Agreement No.	ADT (YEAR) 5,500 (2003)	+ APPRAISAL RATINGS +
Year Built 1941	HCADT	Structure Evaluation 5
Year Fed Rehab 1985	Functional Class. URBAN LOCAL	Deck Geometry 4
Year Remodeled 1985	+ RDWY DIMENSIONS +	Underclearances 4
Temp	If Divided NB-EB SB-WB	Waterway Adequacy 8
Plan Avail. CENTRAL	Roadway Width 40.6 ft	Approach Alignment 8
+ STRUCTURE +	Vertical Clearance 14.0 ft	+ SAFETY FEATURES +
Service On HWY;PED	Max. Vert. Clear. 14.0 ft	Bridge Railing 1-MEETS STANDARDS
Service Under HWY;RR;STREAM	Horizontal Clear. 40.6 ft	Appr. Guardrail 0-SUBSTANDARD
Main Span Type CSTL HIGH TRUSS	Lateral Clr. - Lt/Rt 9.0 ft	GR Transition 0-SUBSTANDARD
Main Span Detail WARREN W/VERT	Appr. Surface Width 45.0 ft	GR Termini N-NOT REQUIRED
Appr. Span Type CSTL DECK TRUSS	Roadway Width 40.6 ft	+ IN DEPTH INSP. +
Appr. Span Detail WARREN W/VERT	Median Width	Frac. Critical Y 24 mo 07/2007
Skew	+ MISC. BRIDGE DATA +	Underwater Y 60 mo 07/2004
Culvert Type	Structure Flared NO	Pinned Asbly. Y 48 mo 07/2007
Barrel Length	Parallel Structure NONE	Spec. Feat.
Number of Spans	Field Conn. ID RIVETED	+ WATERWAY +
MAIN: 3 APPR: 21 TOTAL: 24	Cantilever ID PIN & HANGER	Drainage Area
Main Span Length 450.0 ft	Foundations	Waterway Opening 99999 sq ft
Structure Length 2,288.5 ft	Abut. CONC - SPRD SOIL	Navigation Control PERMIT REQD
Deck Width 34.4 ft	Pier CONC - SPRD SOIL	Pier Protection NOT REQUIRED
Deck Material C-I-P CONCRETE	+ PAINT +	Nav. Vert./Horz. Clr. 63 ft 438.0 ft
Wear Surf Type MONOLITHIC CONC	Year Painted 1993 Pct. Unsound 30 %	Nav. Vert. Lift Bridge Clear.
Wear Surf Install Year	Painted Area 239,130 sf	MN Scour Code R-CRIT;MONITOR
Wear Course/Fill Depth	Primer Type LEAD, IRON OXIDE	Scour Evaluation Year
Deck Membrane NONE	Finish Type PHENOLIC RESIN ALUM.	+ CAPACITY RATINGS +
Deck Rebars EPOXY COATED REBAR	+ BRIDGE SIGNS +	Design Load HS15
Deck Rebars Install Year 1985	Posted Load NOT REQUIRED	Operating Rating HS 30.0
Structure Area 78,724 sq ft	Traffic NOT REQUIRED	Inventory Rating HS 17.0
Roadway Area 70,945 sq ft	Horizontal NOT REQUIRED	Posting
Sidewalk Width - L/R 4.5 ft	Vertical NOT REQUIRED	Rating Date 04-01-1986
Curb Height - L/R 0.67 ft 0.67 ft		Mn/DOT Permit Codes
Rail Codes - L/R 43 43		A: 1 B: 1 C: 1

# Mn/DOT Structure Inventory Report

Bridge ID: 5900

TH 43 over MISS RVR, RR, STREETS

Date: 05/05/2008

+ GENERAL +	+ ROADWAY +	+ INSPECTION +
Agency Br. No.	Bridge Match ID (TIS) 3	Deficient Status ADEQ
District 6 Maint. Area 6A	Roadway O/U Key B-UNDER (2ND)	Sufficiency Rating 49.8
County 85 - WINONA	Route Sys/Nbr MSAS 101	Last Inspection Date 04-16-2007
City WINONA	Roadway Name or Description	Inspection Frequency 12
Township	MSAS 101	Inspector Name
Desc. Loc. 2.8 MI N OF JCT TH 61	Roadway Function MAINLINE	Structure A-OPEN
Sect., Twp., Range 22 - 107N - 07W	Roadway Type 2 WAY TRAF	+ CONDITION CODES +
Latitude 44d 03m 27.36s	Control Section (TH Only)	Deck 2 % UNSOUND 6
Longitude 91d 38m 23.20s	Ref. Point (TH Only)	Superstructure 5
Custodian STATE HWY	Date Opened to Traffic 11-01-1942	Substructure 6
Owner STATE HWY	Detour Length 65 mi.	Channel 8
Inspection By DISTRICT 6	Lanes 2 Lanes UNDER Bridge	Culvert N
BMU Agreement No.	ADT (YEAR) 7,200 (2003)	+ APPRAISAL RATINGS +
Year Built 1941	HCADT	Structure Evaluation 5
Year Fed Rehab 1985	Functional Class. URB/MINOR ART	Deck Geometry 4
Year Remodeled 1985	+ RDWY DIMENSIONS +	Underclearances 4
Temp	If Divided NB-EB SB-WB	Waterway Adequacy 8
Plan Avail. CENTRAL	Roadway Width 46.9 ft	Approach Alignment 8
+ STRUCTURE +	Vertical Clearance 29.2 ft	+ SAFETY FEATURES +
Service On HWY;PED	Max. Vert. Clear. 29.2 ft	Bridge Railing 1-MEETS STANDARDS
Service Under HWY;RR;STREAM	Horizontal Clear. 46.9 ft	Appr. Guardrail 0-SUBSTANDARD
Main Span Type CSTL HIGH TRUSS	Lateral Clr. - Lt/Rt 11.0 ft	GR Transition 0-SUBSTANDARD
Main Span Detail WARREN W/VERT	Appr. Surface Width 48.0 ft	GR Termini N-NOT REQUIRED
Appr. Span Type CSTL DECK TRUSS	Roadway Width 46.9 ft	+ IN DEPTH INSP. +
Appr. Span Detail WARREN W/VERT	Median Width	Frac. Critical Y 24 mo 07/2007
Skew	+ MISC. BRIDGE DATA +	Underwater Y 60 mo 07/2004
Culvert Type	Structure Flared NO	Pinned Asbly. Y 48 mo 07/2007
Barrel Length	Parallel Structure NONE	Spec. Feat.
Number of Spans	Field Conn. ID RIVETED	+ WATERWAY +
MAIN: 3 APPR: 21 TOTAL: 24	Cantilever ID PIN & HANGER	Drainage Area
Main Span Length 450.0 ft	Foundations	Waterway Opening 99999 sq ft
Structure Length 2,288.5 ft	Abut. CONC - SPRD SOIL	Navigation Control PERMIT REQD
Deck Width 34.4 ft	Pier CONC - SPRD SOIL	Pier Protection NOT REQUIRED
Deck Material C-I-P CONCRETE	+ PAINT +	Nav. Vert./Horz. Clr. 63 ft 438.0 ft
Wear Surf Type MONOLITHIC CONC	Year Painted 1993 Pct. Unsound 30 %	Nav. Vert. Lift Bridge Clear.
Wear Surf Install Year	Painted Area 239,130 sf	MN Scour Code R-CRIT;MONITOR
Wear Course/Fill Depth	Primer Type LEAD, IRON OXIDE	Scour Evaluation Year
Deck Membrane NONE	Finish Type PHENOLIC RESIN ALUM.	+ CAPACITY RATINGS +
Deck Rebars EPOXY COATED REBAR	+ BRIDGE SIGNS +	Design Load HS15
Deck Rebars Install Year 1985	Posted Load NOT REQUIRED	Operating Rating HS 30.0
Structure Area 78,724 sq ft	Traffic NOT REQUIRED	Inventory Rating HS 17.0
Roadway Area 70,945 sq ft	Horizontal NOT REQUIRED	Posting
Sidewalk Width - L/R 4.5 ft	Vertical NOT REQUIRED	Rating Date 04-01-1986
Curb Height - L/R 0.67 ft 0.67 ft		Mn/DOT Permit Codes
Rail Codes - L/R 43 43		A: 1 B: 1 C: 1

# Mn/DOT Structure Inventory Report

Bridge ID: 5900

TH 43 over MISS RVR, RR, STREETS

Date: 05/05/2008

+ GENERAL +	+ ROADWAY +	+ INSPECTION +
Agency Br. No.	Bridge Match ID (TIS) 4	Deficient Status ADEQ
District 6 Maint. Area 6A	Roadway O/U Key C-UNDER (3RD)	Sufficiency Rating 49.8
County 85 - WINONA	Route Sys/Nbr MUN 11	Last Inspection Date 04-16-2007
City WINONA	Roadway Name or Description	Inspection Frequency 12
Township	MUN 11	Inspector Name
Desc. Loc. 2.8 MI N OF JCT TH 61	Roadway Function MAINLINE	Structure A-OPEN
Sect., Twp., Range 22 - 107N - 07W	Roadway Type 2 WAY TRAF	+ CONDITION CODES +
Latitude 44d 03m 27.36s	Control Section (TH Only)	Deck 2 % UNSOUND 6
Longitude 91d 38m 23.20s	Ref. Point (TH Only)	Superstructure 5
Custodian STATE HWY	Date Opened to Traffic 11-01-1942	Substructure 6
Owner STATE HWY	Detour Length 65 mi.	Channel 8
Inspection By DISTRICT 6	Lanes 2 Lanes UNDER Bridge	Culvert N
BMU Agreement No.	ADT (YEAR) 100 (1975)	+ APPRAISAL RATINGS +
Year Built 1941	HCA DT	Structure Evaluation 5
Year Fed Rehab 1985	Functional Class. URBAN LOCAL	Deck Geometry 4
Year Remodeled 1985	+ RDWY DIMENSIONS +	Underclearances 4
Temp	If Divided NB-EB SB-WB	Waterway Adequacy 8
Plan Avail. CENTRAL	Roadway Width 30.0 ft	Approach Alignment 8
+ STRUCTURE +	Vertical Clearance 18.1 ft	+ SAFETY FEATURES +
Service On HWY;PED	Max. Vert. Clear. 18.1 ft	Bridge Railing 1-MEETS STANDARDS
Service Under HWY;RR;STREAM	Horizontal Clear. 30.0 ft	Appr. Guardrail 0-SUBSTANDARD
Main Span Type CSTL HIGH TRUSS	Lateral Clr. - Lt/Rt 4.0 ft	GR Transition 0-SUBSTANDARD
Main Span Detail WARREN W/VERT	Appr. Surface Width 34.0 ft	GR Termini N-NOT REQUIRED
Appr. Span Type CSTL DECK TRUSS	Roadway Width 30.0 ft	+ IN DEPTH INSP. +
Appr. Span Detail WARREN W/VERT	Median Width	Frac. Critical Y 24 mo 07/2007
Skew	+ MISC. BRIDGE DATA +	Underwater Y 60 mo 07/2004
Culvert Type	Structure Flared NO	Pinned Asbly. Y 48 mo 07/2007
Barrel Length	Parallel Structure NONE	Spec. Feat.
Number of Spans	Field Conn. ID RIVETED	+ WATERWAY +
MAIN: 3 APPR: 21 TOTAL: 24	Cantilever ID PIN & HANGER	Drainage Area
Main Span Length 450.0 ft	Foundations	Waterway Opening 99999 sq ft
Structure Length 2,288.5 ft	Abut. CONC - SPRD SOIL	Navigation Control PERMIT REQD
Deck Width 34.4 ft	Pier CONC - SPRD SOIL	Pier Protection NOT REQUIRED
Deck Material C-I-P CONCRETE	+ PAINT +	Nav. Vert./Horz. Clr. 63 ft 438.0 ft
Wear Surf Type MONOLITHIC CONC	Year Painted 1993 Pct. Unsound 30 %	Nav. Vert. Lift Bridge Clear.
Wear Surf Install Year	Painted Area 239,130 sf	MN Scour Code R-CRIT;MONITOR
Wear Course/Fill Depth	Primer Type LEAD, IRON OXIDE	Scour Evaluation Year
Deck Membrane NONE	Finish Type PHENOLIC RESIN ALUM.	+ CAPACITY RATINGS +
Deck Rebars EPOXY COATED REBAR	+ BRIDGE SIGNS +	Design Load HS15
Deck Rebars Install Year 1985	Posted Load NOT REQUIRED	Operating Rating HS 30.0
Structure Area 78,724 sq ft	Traffic NOT REQUIRED	Inventory Rating HS 17.0
Roadway Area 70,945 sq ft	Horizontal NOT REQUIRED	Posting
Sidewalk Width - L/R 4.5 ft	Vertical NOT REQUIRED	Rating Date 04-01-1986
Curb Height - L/R 0.67 ft 0.67 ft		Mn/DOT Permit Codes
Rail Codes - L/R 43 43		A: 1 B: 1 C: 1