

REQUEST FOR PROPOSALS

Professional Engineering Services

8th Avenue over the South Branch of the Black River, Geneva Township (Structure #10769)

I. Project Description and Location

The Van Buren County Road Commission (VBCRC) has been awarded funding through the MDOT Local Bridge Program for the replacement of the bridge that carries 8th Avenue over the South Branch of the Black River, Geneva Township, in fiscal year 2029. The VBCRC's application for Local Bridge Funding is attached.

II. Scope

This request is for Preliminary Design Engineering and Final Design Engineering for replacement of the structure that carries 8th Avenue over the South Branch of the Black River, Geneva Township. The consultant will be required to survey, prepare a Type, Size and Location Plan (TS&L), obtain project approvals through the Michigan Department of Transportation, and prepare final plans and contract documents for bidding.

In addition, the consultant will be required to acquire all necessary permits including, but not limited to EGLE, SHPO, to fulfill NEPA requirements, and to provide copies of all submissions to the VBCRC. The project shall utilize existing right of way and minimize the use of easements.

The Consultant will be required to work directly with the Van Buren County Road Commission, MDOT, EGLE, and other applicable agencies and acquire all necessary approvals for the proposed work. Coordination and cooperation with the various entities is of the utmost importance so as to let the project for bid in a timely manner.

Our intent is to have this project in a December 2028 bid letting so that the bridge can be constructed during the 2029 construction season.

III. Proposal Requirements

TASK A - Preliminary Design: All work necessary to provide preliminary plans (bridge type and size, location), including a Geotechnical Investigation. All bridge and roadway improvements shall meet all applicable AASHTO and MDOT design requirements. Where required by the design, the consultant will prepare and furnish legal descriptions for required easements.

TASK B - Final Design: All work necessary for preparation of contract documents, including, but not limited to preparation of detailed design and construction plans, cost estimates, contract special provisions and supplemental specifications, design exemption requests, programming application, coordination with the Road Commission, Township, MDOT, EGLE, SHPO, NEPA, and public utilities and other agencies as may be necessary, including attendance at grade inspection and review meetings. Design Engineering shall also include all work necessary for the review and approvals of any required prefabrication shop drawings and also a determination of haunch and screed grades, if needed, and availability for potential construction/design concerns. The consultant shall provide the final survey and plans to the VBCRC in AutoCad Civil 3D.

REQUEST FOR PROPOSALS

Professional Engineering Services

8th Avenue over the South Branch of the Black River, Geneva Township

Page 2

TASK C - Asbestos Testing and Paint Testing: The consultant will be responsible for obtaining testing for asbestos, if required, and also testing the paint, if required. The proposal shall identify the testing firm which will be used. The cost for testing shall be listed in the Proposal as a separate line item.

Please include the following information in your Proposal:

- A. Qualifications: Names and brief resumes of personnel who will actually perform design services are required. List all sub-consultants that will be used on the project.
- B. Quality Control (QC) & Quality Assurance (QA): QC/QA Certification is required with the project programming application (MDOT Form 0258). The Proposal shall include the procedures, qualifications of the designer, checker, and reviewer, along with certification that the design computations/calculations and checks/reviews will be completed and documented for the design project.
- C. Similar projects completed.
- D. Proposed Schedule: The consultant shall provide a detailed proposed Schedule outlining the proposed dates for completion of each task.
- E. Cost and Billing: The consultant shall provide a “not to exceed” cost for completing the proposed work of Preliminary Design and Final Design (Task A and B). All costs shall be defined separately. Progress payments for work completed will be made to the consultant as mutually agreed upon by the Road Commission and the Engineering Consulting Firm utilizing the fee schedule and actual hours charged.

IV. Proposal Evaluation

The Van Buren County Road Commission will be selecting a consultant based upon the “not to exceed” cost estimate, proposed schedule, proposed coordination and cooperation efforts, experience and qualification of firm, project manager and staff, familiarity with federal, state and local regulations, capacity, ability to meet the proposed schedule, and recent successful completion of similar projects.

The Van Buren County Road Commission reserves the right to request additional information regarding Consultant qualifications, and clarification of pricing information. Failure to provide all information requested shall be sufficient reason for the Van Buren County Road Commission to eliminate a Consultant from further consideration in the selection process.

REQUEST FOR PROPOSALS

Professional Engineering Services

8th Avenue over the South Branch of the Black River, Geneva Township

Page 3

The Van Buren County Road Commission reserves the right to reject any or all bids, to waive irregularities in the bidding, and to award the contract in any manner deemed to be in the best interest of the Van Buren County Road Commission.

V. Proposal Due Date

The Van Buren County Road Commission is accepting proposals at the Road Commission office, 325 W. James St., P.O. Box 156, Lawrence, MI 49064 until **3:30 PM on Friday, February 20, 2026.** Any Proposal received after the submitted deadline may be rejected.

VI. Title VI, Non-Discrimination

The Van Buren County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of gender, disability, race, color, or national origin in consideration for an award.

VII. For Further Information Contact

Barry J. Anttila, Highway Engineer
Van Buren County Road Commission
325 West James Street, P.O. Box 156
Lawrence, Michigan 49064

269-674-8011, Extension 224 -or- BarryAnttila@vbcrc.org


VIII. Attachments:

- Bridge Inspection Report
- Photos
- Location Map

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

NBI INSPECTION

PYS2

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Robert Lothschutz	Scott Civil Engineering Company	12	04/24/2025

GENERAL NOTES

Poor. Posted at 31/40/40. Watch west abutment pile 2N and east abutment pile 4N. Monitor west abutment cap for any further rotation.

Weight limit signs in place on both ends of bridge	YES
Weight limit shown on signs at bridge	314040
Required advance warning weight limit signs in place	YES
Weight limit shown on advance warning signs	314040

DECK

04/23 04/24 04/25

1. Surface (SIA-58A)	5	5	4	HMA skim coat over bridge. Transverse cracks over piers. Longitudinal cracks and settlement within 2' of centerline, worst is 1.25" over west pier where HMA is broken and patched. Additional longitudinal crack in east span WB lane and starting in EB lane, 2 longitudinal cracks in center span WB lane + 1 in EB lane. Map cracking in center span at west pier in WB lane. Dirt and debris along brush blocks. (04/25) HMA skim coat over bridge. Transverse cracks over piers. Longitudinal cracks and settlement within 2' of centerline, worst is 1.25" over west pier where HMA is broken and patched. Additional longitudinal crack in east span WB lane and starting in EB lane, 2 longitudinal cracks in center span WB lane + 1 in EB lane. Map cracking in center span at west pier in WB lane. Dirt and debris along brush blocks. (04/24) HMA skim coat over bridge. Transverse cracks over piers. Longitudinal cracks and settlement within 2' of centerline, worst is 1.25" over west pier where HMA is broken and patched. Additional longitudinal crack in east span WB lane and starting in EB lane, 2 longitudinal cracks in center span WB lane + 1 in EB lane. Map cracking in center span at west pier in WB lane. Dirt and debris along brush blocks. (04/23)
2. Expansion Joints	N	N	N	(04/25) (04/24) (04/23)
3. Other Joints	N	N	N	(04/25) (04/24) (04/23)
4. Railings	3	3	3	North rail posts and brush block are newer. Bolts and rail beams are rusting. South rail panel has rust and minor damage. Several wood posts along south railing are split. Entire south brush block rotting, ends completely rotten. Vegetation growing out of south brush block. Able to push south rail out ~1" with foot, may not deflect a vehicle. Every other post on both sides is not bolted to rail. 1 nut missing on south rail post west end of center span. Bottom anchor bolt nuts missing under south fascia each side of west pier. (04/25) North rail posts and brush block were repaired in 2015. Bolts and rail beams are rusting. South rail panel has rust and minor damage. Several wood posts along south railing are split. Entire south brush block rotting, ends completely rotten. Vegetation growing out of south brush block. Able to push south rail out ~1" with foot, may not deflect a vehicle. Every other post on both sides is not bolted to rail. 1 nut missing on south rail post west end of center span. Bottom anchor bolt nuts missing under south fascia each side of west pier. (04/24) North rail posts and brush block were repaired in 2015. Bolts and rail beams are rusting. South rail panel has minor damage. Both panels have rust. Several wood posts along south railing are split. Entire south brush block rotting, ends completely rotten. Vegetation growing out of south brush block. Able to push south rail out ~1" with foot, may not deflect a vehicle. Every other post on both sides is not bolted to rail. 1 nut missing in south rail west end of center span. Bottom nuts missing in south rail each side of W pier. (04/23)

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

5. Sidewalks or Curbs	N	N	N	(04/25) (04/24) (04/23)
6. Deck Bottom Surface (SIA-58B)	5	5	5	In center and east span, bottom of deck boards are offset indicating possible non-composite action. (04/25) In center and east span, bottom of deck boards are offset indicating possible non-composite action. (04/24) In center and east span, bottom of deck boards are offset indicating possible non-composite action. (04/23)
7. Deck (SIA-58)	4	4	4	Cracked/settled HMA along centerline could indicate rot in top of deck boards. 6 cracked deck boards in west span, 6 in center span, 5 in east span. Deck leaks. Loss of creosote treatment away from fascias. (04/25) Cracked/settled HMA along centerline could indicate rot in top of deck boards. 5 cracked deck boards in west span, 5 in center span, 4 in east span. Deck leaks. Loss of creosote treatment away from fascias. (04/24) 5 cracked deck boards in west span, 5 in center span, 4 in east span. Deck leaks. Loss of creosote treatment away from fascias. (04/23)
8. Drainage				Scuppers blocked by HMA and dirt/debris. Significant grade east to west allows water to drain off bridge. (04/25) Scuppers partially blocked by HMA and dirt. Significant grade east to west allows water to drain off bridge. (04/24) South side scuppers completely blocked by HMA, north side mostly blocked. Significant grade east to west allows water to drain off bridge. (04/23)


SUPERSTRUCTURE

04/23 04/24 04/25

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

9. Stringer (SIA-59)	4	4	4	<p>North fascia board split over west pier 18" long, possibly from previous rail impact.</p> <p>West span - 6 cracked/damaged deck boards - 1 at W 1/4 span WB, 1 at W 1/4 span CL, 1 near W pier EB, 2 adjacent broken boards and 1 cracked board at west pier over pile 4N. Cracked knot near south fascia at west 1/4pt. Several splinters due to nails. Boards at pier are wet and a little punky when struck with hammer, starting to split.</p> <p>Center span - 6 cracked/damaged deck boards - 1 at CL W pier, 1 at W 1/4 span near CL, 1 at E 1/4 span near CL and 1 at CL E pier (6" apart with non-continuous board between), 1 at E 1/4 in line with pile 2N, N fascia board cracked/split at E pier. In addition, hole drilled through deck for soil boring in WBD lane, 4' E of W pier - damage to 3 deck boards. North spreader bolt broken off, others rusting.</p> <p>East span - 5 cracked/damaged deck boards - 1 at E 1/4sp under EB, 1 at E 1/4sp under WB, 1 midspan under WB, 1 N of CL near pier, 1 near N fascia at pier. 1 cracked knot near south fascia at E 1/4sp. 1 missing bolt at north end of spreader. (04/25)</p> <p>North fascia board split over west pier 18" long, possibly from previous rail impact.</p> <p>West span - 5 cracked/damaged deck boards - 1 at W 1/4 span WB, 1 near W pier EB, 2 adjacent broken boards and 1 cracked board at west pier over pile 4N. Cracked knot near south fascia at west 1/4pt. Several splinters due to nails. Boards at pier are wet and a little punky when struck with hammer, starting to split.</p> <p>Center span - 6 cracked/damaged deck boards - 1 at CL W pier, 1 at W 1/4 span near CL, 1 at E 1/4 span near CL, 1 at CL E pier, 1 at E 1/4 in line with pile 2N, N fascia board cracked/split at E pier. In addition, hole drilled through deck for soil boring in WBD lane, 4' E of W pier - damage to 3 deck boards. North spreader bolt broken off, others rusting.</p> <p>East span - 4 cracked/damaged deck boards - 1 at E 1/4sp under EB, 1 at E1/4sp under WB, 1 midspan under WB, 1 near N fascia at E pier. 1 cracked knot near south fascia at E 1/4sp. 1 missing bolt at north end of spreader. (04/24)</p> <p>North fascia board split over west pier 18" long, possibly from previous rail impact.</p> <p>West span - 5 cracked/damaged deck boards - 1 at W 1/4 span WB, 1 near W pier EB, 2 adjacent broken boards and 1 cracked board at west pier over pile 4N. Cracked knot near south fascia at west 1/4pt. Several splinters due to nails. Boards at pier are wet and a little punky when struck with hammer, starting to split. Few loose spreader bolts.</p> <p>Center span - 5 cracked/damaged deck boards - 1 at W 1/4 span near CL, 1 at E 1/4 span near CL, 1 at CL E pier, 1 at E 1/4 in line with pile 2N, N fascia board cracked/split at E pier. In addition, hole drilled through deck for soil boring in WBD lane, 4' E of W pier - damage to 3 deck boards. North spreader bolt broken off, others rusting.</p> <p>East span - 4 cracked/damaged deck boards - 1 at E 1/4sp under EB, 1 at E1/4sp under WB, 1 midspan under WB, 1 near N fascia at E pier. 1 cracked knot near south fascia at E 1/4sp. 1 missing bolt at north end of spreader. (04/23)</p>
10. Paint (SIA-59A)	N	N	N	(04/25) (04/24) (04/23)
11. Section Loss	N	N	N	(04/25) (04/24) (04/23)
12. Bearings	N	N	N	(04/25) (04/24) (04/23)


SUBSTRUCTURE

04/23 04/24 04/25

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

BRIDGE SAFETY INSPECTION REPORT


Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

13. Abutments (SIA-60)	4	4	4	<p>WEST ABUTMENT: Pile 2N has a crack 3' above stream bottom with rot 2" deep and has a bow of 1.75" as measured 1' from top of pile, also a split at top of pile, checking along face of pile entire height. Pile 3N has a smaller crack and a bow of 1.75", section loss near top. Pile 4N has a bow of 2.5". Checking with decay starting on piles 2S-4S, up to 2" deep on 3S. North end of cap has a split split measured 3" wide at top (no change from 4/21). South end of cap split 1/2"-3/4" wide. Cap bottom split full length with leakage noted, split tight except outside piles 2S & 2N. Backwall board split/rotting near top in SW quad, rot near top in NW quad. 1 pile in NW wingwall is rotting. NW wingwall cap is split, backer boards pushed back at top. Rot starting in NW & SW wingwall backwall boards.</p> <p>EAST ABUTMENT: Split/check in bottom of cap with leakage noted, near piles 3N & 4N (CL) worst. Pile 1N is not plumb, north end backwall boards offset by 2". Pile 2N has check at waterline with rot starting. Pile 4N has bend and checking near bottom, backside rotting. Measured 7' c-c between piles 3N & 5N. Gap between backwall boards at north end. Up to 4" gap at south end of backwall boards, large stones visible. End of NE wingwall cap failed. 8" gap in NE wingwall backwall boards, losing backfill. NE & SE wingwall caps are split. Gaps in SE wingwall boards allowing loss of backfill. (04/25)</p> <p>WEST ABUTMENT: Pile 2N has a crack 3' above stream bottom with rot 2" deep and has a bow of 1.75" as measured 1' from top of pile, also a split at top of pile, checking along face of pile entire height. Pile 3N has a smaller crack and a bow of 1.75", section loss near top. Pile 4N has a bow of 2.5". Checking with decay starting on piles 2S-4S. North end of cap has a split split measured 3" wide at top (no change from 4/21). South end of cap split 1/2"-3/4" wide. Cap bottom split full length with leakage noted, split tight except outside piles 2S & 2N. Backwall board split/rotting near top in SW quad, rot near top in NW quad. 1 pile in NW wingwall is rotting. NW wingwall cap is split, backer boards pushed back at top. Rot starting in NW & SW wingwall backwall boards.</p> <p>EAST ABUTMENT: Pile 1N is not plumb, north end backwall boards offset by 2". Pile 2N has check at waterline with rot starting. Pile 4N has bend and checking near bottom, backside rotting. Gap between backwall boards at north end. Split/check in bottom of cap with leakage noted, near piles 3N & 4N (CL) worst. End of NE wingwall cap failed. 8" gap in NE wingwall backwall boards, losing backfill. NE & SE wingwall caps are split. Gaps in SE wingwall boards allowing loss of backfill. (04/24)</p> <p>WEST ABUTMENT: Pile 2N has a crack 3' above stream bottom (underwater at time of inspection) and has a bow of 1.75" as measured 1' from top of pile, also a split at top of pile, checking along face of pile entire height. Pile 3N has a smaller crack and a bow of 1.75", section loss near top. Pile 4N has a bow of 2.5". Brooming starting on piles 2S-4S. North end of cap has a split split measured 3" wide at top (no change from 4/21). Cap bottom split full length with leakage noted, split tight except outside piles 2S & 2N. Cap splits and checks causing slight rotation. Backwall board split near top in SW quad, rot near top in NW quad. 1 pile in NW wingwall is rotting. NW wingwall cap is split with 4" gap. Rot starting in NW & SW wingwall backwall boards.</p> <p>EAST ABUTMENT: Pile 1N is not plumb, north end backwall boards offset by 2". Pile 2N has check at waterline with rot starting. Pile 4N has bend and checking near bottom, under water at time of inspection. Gap between backwall boards at north end. Split/check in bottom of cap with leakage noted, near piles 3N & 4N (CL) worst. NE wingwall cap failed. 8" gap in NE wingwall backwall boards, losing backfill. NE & SE wingwall caps are split. Gaps in SE wingwall boards allowing loss of backfill. (04/23)</p>
-------------------------------	---	---	---	---

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

14. Piers (SIA-60)	5	5	5	<p>WEST PIER: Pile 3N & 4N have minor vertical splits at top. Pile 1S outer 1"-2" rotten at waterline. Pile 3S has surface decay at waterline. Leakage and checking noted on bottom of cap. Ends of cap starting to rot on top.</p> <p>EAST PIER: Pile 3N & 4S have minor vertical splits at top. Pile 1S starting to broom/decay at waterline. Pier cap has split along bottom, estimate up to 3/8" wide. Leakage noted on bottom of cap. Ends of cap starting to rot on top. (04/25)</p> <p>WEST PIER: Pile 3N & 4N have minor vertical splits at top. Pile 1S outer 1"-2" rotten at waterline. Pile 3S has surface decay at waterline. Leakage and checking noted on bottom of cap. Ends of cap starting to rot on top.</p> <p>EAST PIER: Pile 3N & 4S have minor vertical splits at top. Pile 1S starting to broom at waterline. Pier cap has split along bottom. Leakage noted on bottom of cap. Ends of cap starting to rot on top. (04/24)</p> <p>WEST PIER: Pile 3N & 4N have minor vertical splits at top. Pile 1S is broomed at waterline, outer 1" rotten (under water at time of inspection). Pile 3S starting to broom at waterline. Leakage and checking noted on bottom of cap. Ends of cap starting to rot on top.</p> <p>EAST PIER: Pile 3N & 4S have minor vertical splits at top. Pile 1S starting to broom below waterline. Pier cap has split along bottom. Leakage noted on bottom of cap. Ends of cap starting to rot on top. (04/23)</p>
15. Slope Protection	N	N	N	<p>(04/25)</p> <p>(04/24)</p> <p>(04/23)</p>
16. Channel (SIA-61)	5	5	5	<p>Stream flows up to abutments. Flow is fast. Fastest and deepest flow in center span. Logs and debris caught on east pier and in east span. A few logs/tree limbs caught on west pier. Some riprap along west abutment and in SE quad, also scattered throughout channel under bridge. Stream flows into SE approach - bank is raw. Very steep raw banks upstream and downstream. (04/25)</p> <p>Stream flows up to abutments. Flow is fast. Fastest and deepest flow in center span. Few logs/tree limbs caught on piers. Some riprap along west abutment and in SE quad, also scattered throughout channel under bridge. Stream flows into SE approach - bank is raw. Very steep raw banks upstream and downstream. (04/24)</p> <p>Stream flows up to abutments. Flow is fast. Fastest and deepest flow in center span. Some riprap along west abutment and in SE quad, also scattered throughout channel under bridge. Very steep raw banks upstream and downstream. Tree blocking entire span. Flows into SE approach - bank raw. (04/23)</p>
17. Scour Inspection	6	6	6	<p>Backwall boards are below stream bottom, could probe under west abutment at north end. (04/25)</p> <p>Backwall boards are below stream bottom, could probe under west abutment at north end. (04/24)</p> <p>Backwall boards are below stream bottom, but previously could probe under west abutment at north end. (04/23)</p>


APPROACH

	04/23	04/24	04/25	
18. Approach Pavement	6	5	6	<p>HMA skim coat over chip seal, newer wedging at reference lines. (04/25)</p> <p>HMA skim coat over chip seal, cracked at reference lines. Up to 1.5" settlement at west reference line, up to 1" settlement at east reference line. 5'x2' cold patch at centerline east approach. (04/24)</p> <p>HMA skim coat over chip seal, cracked at reference lines and settlement still occurring (up to 1/2"). Large patched spall at east reference centerline. (04/23)</p>
19. Approach Shoulders Sidewalks	6	N	N	<p>Narrow grass shoulder. (04/25)</p> <p>Narrow grass shoulder. (04/24)</p> <p>Narrow grass shoulder. (04/23)</p>

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

20. Approach Slopes

Steep with no approach guardrail. NE slope is raw at end of wingwall. Erosion in SE slope (slope is very steep) - Riprap in place at structure. (04/25)
 Steep with no approach guardrail. NE slope is raw at end of wingwall. Erosion in SE slope (slope is very steep) - Riprap in place at structure. (04/24)
 Steep with no approach guardrail. NE slope is raw at end of wingwall. Erosion in SE slope (slope is very steep) - Riprap in place at structure. (04/23)

21. Utilities

None on bridge. (04/25)
 None on bridge. (04/24)
 In stream north of structure. (04/23)

22. Drainage Culverts

None noted. (04/25)
 None noted. (04/24)
 None noted. (04/23)

MISCELLANEOUS

Guard Rail

<u>Item</u>	<u>Rating</u>
36A. Bridge Railings	0
36B. Transitions	0
36C. Approach Guardrail	0
36D. Approach Guardrail Ends	0

Other Items

<u>Item</u>	<u>Rating</u>
71. Water Adequacy	8
72. Approach Alignment	7
Temporary Support	0 No Temporary Supports
High Load Hit (M)	No
Special Insp. Equipment	2
Underwater Insp. Method	1

False Decking (Timber) Removed to Complete Inspection

N/A - No False Decking


Critical Feature Inspections (SIA-92)

	<u>Freq</u>	<u>Date</u>
92A. Fracture Critical		
92B. Underwater		
92C. Other Special		
92D. Fatigue Sensitive		

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

STRUCTURE INVENTORY AND APPRAISAL


Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

Bridge History, Type, Materials		Route Carried By Structure(ON Record)		Route Under Structure (UNDER Record)	
27 - Year Built	1967	5A - Record Type	1	5A - Record Type	
106 - Year Reconstructed		5B - Route Signing	4	5B - Route Signing	
202 - Year Painted		5C - Level of Service	0	5C - Level of Service	
203 - Year Overlay		5D - Route Number	00000	5D - Route Number	
43 - Main Span Bridge Type	7 01	5E - Direction Suffix	0	5E - Direction Suffix	
44 - Appr Span Bridge Type		10L - Best 3m Unclr-Lt	0 0	10L - Best 3m Unclr-Lt	
77 - Steel Type	0	10R - Best 3m Unclr-Rt	99 99	10R - Best 3m Unclr-Rt	
78 - Paint Type	0	PR Number		PR Number	
79 - Rail Type	1	Control Section		Control Section	
80 - Post Type	0	11 - Mile Point	0	11 - Mile Point	
107 - Deck Type	8	12 - Base Highway Network	0	12 - Base Highway Network	
108A - Wearing Surface	6	13 - LRS Route-Subroute	0000038000 05	13 - LRS Route-Subroute	
108B - Membrane	0	19 - Detour Length	2	19 - Detour Length	
108C - Deck Protection	0	20 - Toll Facility	3	20 - Toll Facility	
Structure Dimensions		26 - Functional Class	09	26 - Functional Class	
34 - Skew	0	28A - Lanes On	2	28B - Lanes Under	
35 - Struct Flared	N	29 - ADT	705	29 - ADT	
45 - Num Main Spans	3	30 - Year of ADT	2003	30 - Year of ADT	
46 - Num Apprs Spans	0	32 - Appr Roadway Width	27.9	42B - Service Type Under	5
48 - Max Span Length	17.7	32A/B - Ap Pvt Type/Width	4 27.99	47L - Left Horizontal Clear	
49 - Structure Length	53.8	42A - Service Type On	1	47R - Right Horizontal Clear	
50A - Width Left Curb/SW	0	47L - Left Horizontal Clear	0.0	54A - Left Feature	
50B - Width Right Curb/SW	0	47R - Right Horizontal Clear	27.9	54B - Left Underclearance	99 99
33 - Median	0	53 - Min Vert Clr Ov Deck	99 99	54C - Right Feature	
51 - Width Curb to Curb	27.9	100 - STRAHNET	0	54D - Right Clearance	99 99
52 - Width Out to Out	29.5	102 - Traffic Direct	2	Under Clearance Year	0
112 - NBIS Length	Y	109 - Truck %	0	55A - Reference Feature	N
Inspection Data		110 - Truck Network	0	55B - Right Horiz Clearance	99.9
90 - Inspection Date	04/24/2025	114 - Future ADT	1400	56 - Left Horiz Clearance	0
91 - Inspection Freq	12	115 - Year Future ADT	2023	100 - STRAHNET	
92A - Frac Crit Req/Freq	N	Freeway	0	102 - Traffic Direct	
93A - Frac Crit Insp Date		Structure Appraisal		109 - Truck %	
92B - Und Water Req/Freq	N	36A - Bridge Railing	0	110 - Truck Network	
93B - Und Water Insp Date		36B - Rail Transition	0	114 - Future ADT	
92C - Oth Spec Insp Req/Freq	N	36C - Approach Rail	0	115 - Year Future ADT	
93C - Oth Spec Insp Date		36D - Rail Termination	0	Freeway	
92D - Fatigue Req/Freq	N	67 - Structure Evaluation	4	Proposed Improvements	
93D - Fatigue Insp Date		68 - Deck Geometry	5	75 - Type of Work	31 1
176A - Und Water Insp Method	1	69 - Underclearance	N	76 - Length of Improvement	100
58 - Deck Rating	4	71 - Waterway Adequacy	8	94 - Bridge Cost	600
58A/B - Deck Surface/Bottom	4 5	72 - Approach Alignment	7	95 - Roadway Cost	180
59 - Superstructure Rating	4	103 - Temporary Structure		96 - Total Cost	780
59A - Paint Rating	N	113 - Scour Criticality	5	97 - Year of Cost Estimate	2009
60 - Substructure Rating	4	Miscellaneous		Load Rating and Posting	
61 - Channel Rating	5	37 - Historical Significance	5	31 - Design Load	0
62 - Culvert Rating	N	98A - Border Bridge State		41 - Open, Posted, Closed	P
Navigation Data		98B - Border Bridge %		63 - Fed Oper Rtg Method	6
38 - Navigation Control	0	101 - Parallel Structure	N	64F - Fed Oper Rtg Load	.8
39 - Vertical Clearance	0	EPA ID		64MA - Mich Oper Rtg Method	6
40 - Horizontal Clearance	0	Stay in Place Forms		64MB - Mich Oper Rtg	.49
111 - Pier Protection		143 - Pin & Hanger Code	0	64MC - Mich Oper Truck	25
116 - Lift Brdg Vert Clear	0	148 - No. of Pin & Hangers	0	65 - Inv Rtg Method	6
				66 - Inventory Load	.58
				70 - Posting	0
				141 - Posted Loading	314040
				193 - Overload Class	D

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

SAFETY INSPECTION REPORT - AASHTO ELEMENTS

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

NBI INSPECTION

PYS2

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Robert Lothschutz	Scott Civil Engineering Company	12	04/24/2025

AASHTO ELEMENTS

(English Units)

Element Number	Element Name	Total Quantity	Unit	Good CS1	Fair CS2	Poor CS3	Severe CS4
Decks/Slabs							
54	Timber Slab	1587	sq.ft	0 0%	1462 92%	120 8%	5 0%
Suspect decay on top of boards under cracked/settled HMA.							
818	Asphalt Ovl w/o Membrane	1506	sq.ft	0 0%	1106 73%	400 27%	0 0%

Substructure

216	Timber Abutment	64	ft	25 39%	28 44%	10 16%	1 2%
228	Timber Pile	18		11 61%	6 33%	1 6%	0 0%
235	Timber Pier Cap	64	ft	0 0%	62 97%	2 3%	0 0%


Other Elements

330	Metal Bridge Railing	108	ft	0 0%	54 50%	0 0%	54 50%
-----	----------------------	-----	----	---------	-----------	---------	-----------

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 10769

WORK RECOMMENDATIONS

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
8TH AVE	42.3893 / -86.2145	80309H00010B010	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
S BR BLACK RIVER	53.8 / 29.5 / 3	County: Van Buren(80)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
2.5 MI E OF SOUTH HAVEN	1967 / / /	Kalamazoo(16)	P Posted for load(314040)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Van Buren(80)	7 Wood or Timber / 01 Slab	04/24/2025 / PYS2	5 Stable w/in footing	

WORK RECOMMENDATIONS

PYS2

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Robert Lothschutz	Scott Civil Engineering Company	12	04/24/2025

RECOMMENDATIONS & ACTION ITEMS

Recommendation Type	Priority	Description
Slope Repair	L	Add riprap in NE and SE quad.
Remove Debris	M	Remove tree debris from channel.
Railing Repair	H	Replace south bridge rail. Install approach guardrail.
HMA Overlay	M	Remove and resurface HMA over bridge, add waterproofing membrane. Check top of deck condition.
Bridge Repl.	H	Budget for replacement.



BRIDGE SECTION LOOKING EAST



POSTING SIGN



NEWER HMA WEDGING ON WEST APPROACH



NORTH BRIDGE RAIL, W-BEAM RUSTING, NEWER POSTS AND BRUSH BLOCK



LONGITUDINAL AND ALLIGATOR CRACKS IN HMA SURFACE WITH SETTLEMENT AT CENTERLINE OVER WEST PIER



UP TO 1.25" SETTLEMENT AT CENTERLINE OVER WEST PIER



LONGITUDINAL CRACKS IN EAST SPAN, TRANSVERSE AND ALLIGATOR CRACKS OVER EAST PIER



NEWER HMA WEDGING ON EAST APPROACH



EAST END OF SOUTH BRUSH BLOCK ROTTING



SOUTH BRIDGE ELEVATION



DEBRIS CAUGHT ON EAST PIER AND IN EAST SPAN



SPLIT AT SOUTH END OF WEST ABUTMENT CAP



WEST ABUTMENT ELEVATION



WEST ABUTMENT PILES BOWED IN NORTH HALF



WEST ABUTMENT PILE 3S CHECKING WITH DECAY STARTING NEAR WATERLINE



WEST ABUTMENT PILE 2N OUTER COVER CRACKED WITH ROT 2" DEEP ABOVE WATERLINE



NORTH END OF WEST ABUTMENT CAP SPLIT AND ROTATED BACK



NORTHWEST WINGWALL PILE ROTTING



WEST PIER ELEVATION



OUTER 1"-2" ROTTING ON WEST PIER PILE 1S



CHECKING WITH LEAKAGE ALONG BOTTOM OF WEST PIER CAP



BROKEN DECK BOARDS ON WEST SIDE OF WEST PIER NEAR CENTERLINE



DECK BOARDS DAMAGED FROM SOIL BORING IN CENTER SPAN



BROKEN DECK BOARDS IN CENTER SPAN NEAR EAST PIER



EAST PIER ELEVATION



SPLIT WITH LEAKAGE ALONG BOTTOM OF EAST PIER CAP



RAW SLOPE IN NORTHEAST QUAD, END OF WINGWALL CAP SPLIT



EAST ABUTMENT ELEVATION

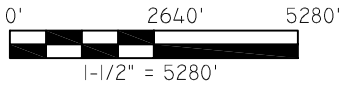


EAST ABUTMENT PILE 4N ROTTING ON BACKSIDE NEAR WATERLINE



GAP IN BACKWALL BOARDS AT SOUTHEAST ABUTMENT CORNER

GENEVA TOWNSHIP

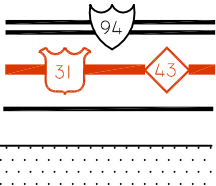


TOWNSHIP: GENEVA, T. 15, R. 16W
COUNTY: VAN BUREN

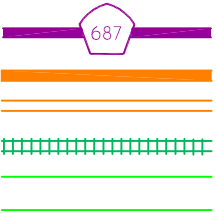
PRIMARY: 24.71 MILES
LOCAL: 50.80 MILES

LEGEND

INTERSTATE
STATE TRUNKLINE
CITY OR VILLAGE STREET
CORPORATE LIMITS

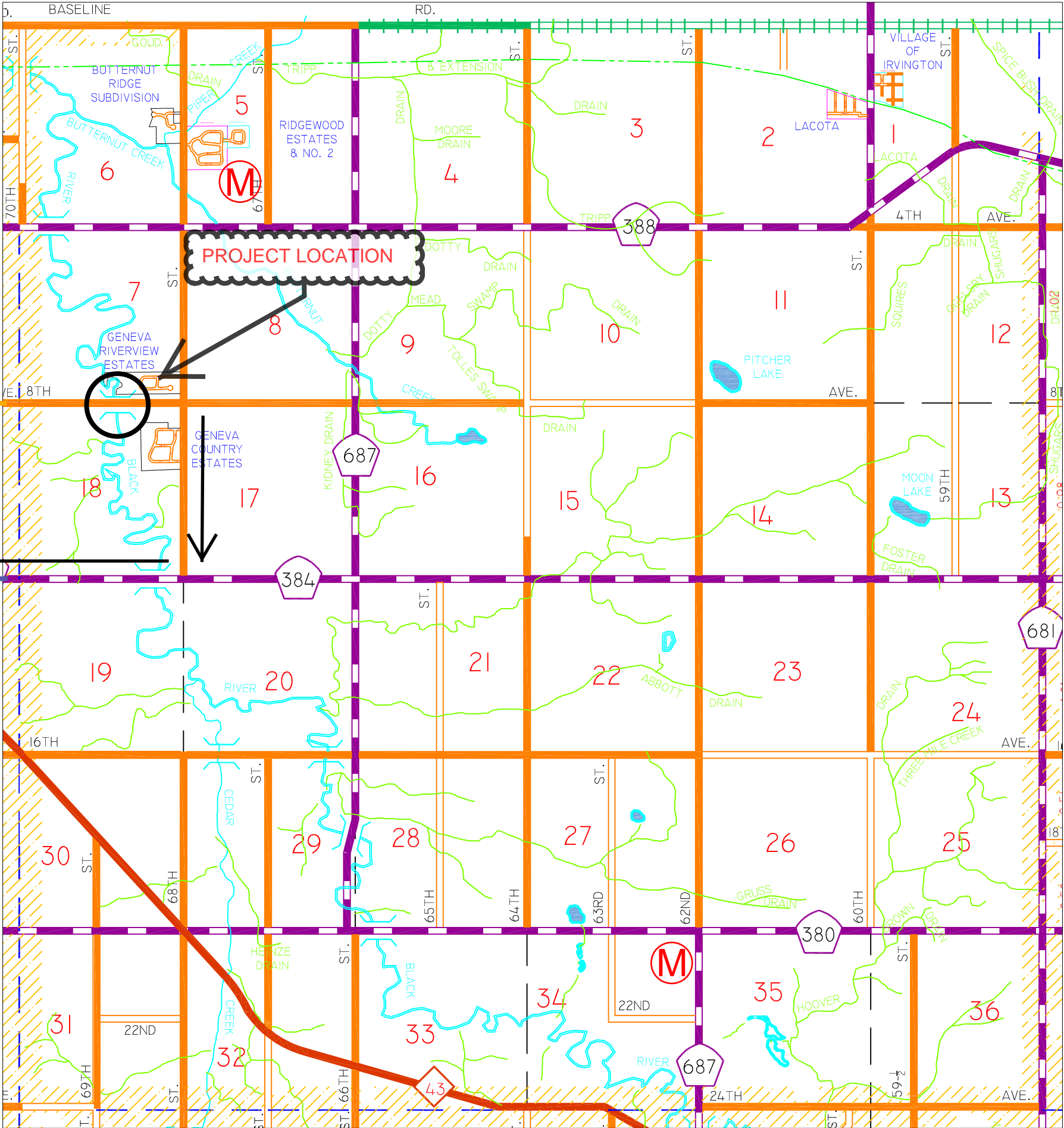


COUNTY PRIMARY
COUNTY LOCAL (PAVED)
COUNTY LOCAL (GRAVEL)
ADJACENT COUNTY
RAILROAD
TRAIL

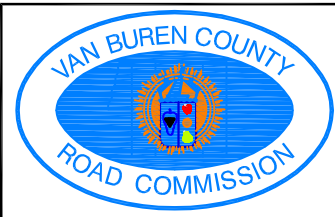


(S) - School

(M) - Municipal



Detour Length = 4.0 miles
ADT = 1,117
1.2 Commercial



GENEVA TOWNSHIP	
DATE CERTIFIED:	DRAFTSMAN: D.STICKELS
NOTES:	DRAFTSMAN: E.M.JONES
REVISED: 10/2006	DRAWING NUMBER 80-4