

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 13965

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
WEST RIVER ROAD	/	56200058000B010	Good Condition(8)
Feature	Length / Width	Owner	
BLACK CREEK	30 / 36	County: Midland(56)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
JEROME TWP SEC 11	2016 / / /	Mt. Pleasant(20)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Bay(4) / Midland(56)	5 Prestressed Concrete / 01 Slab	08/12/2016 / YEBL	6 Calcs not made



NBI INSPECTION

YEBL

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Eric Rickert	Great Lakes Engineering Group	24	08/12/2016

GENERAL NOTES

DECK

01/01 08/16

1. Surface (SIA-58A)	7	Concrete, 2 incipient spalls along NB edge line, 1 at each reference line. (08/16) (01/01) ()
2. Expansion Joints	8	Sealed joints at each reference line. (08/16) (01/01) ()
3. Other Joints	N	(08/16) (01/01) ()
4. Railings	8	Timber panel on steel posts. (08/16) (01/01) ()
5. Sidewalks or Curbs	N	(08/16) (01/01) ()
6. Deck Bottom Surface (SIA-58B)	N	Side by side precast concrete slabs. (08/16) (01/01) ()
7. Deck (SIA-58)	8	No visible leakage between slabs. (08/16) (01/01) ()
8. Drainage		(08/16) (01/01) ()

SUPERSTRUCTURE

01/01 08/16

9. Stringer (SIA-59)	8	6' wide x 15" deep precast concrete slabs with grout joints. No post tensioning. 2 incipient spalls in top of 1 segment. (08/16) (01/01) ()
10. Paint (SIA-59A)	N	(08/16) (01/01) ()
11. Section Loss	N	(08/16) (01/01) ()

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12. Bearings 8 (08/16)
 (01/01)
 ()

SUBSTRUCTURE

01/01 08/16

13. Abutments (SIA-60) 8 GRS-IBS abutments. Riprap in channel along abutments. (08/16)
 (01/01)
 ()

14. Piers (SIA-60) N (08/16)
 (01/01)
 ()

15. Slope Protection N (08/16)
 (01/01)
 ()

16. Channel (SIA-61) 8 Sanford lake downstream, wide channel upstream. Very slow flow. (08/16)
 (01/01)
 ()

17. Scour Inspection 7 Riprap in place along both abutments. Very slow flow in channel. (08/16)
 (01/01)
 ()

APPROACH

01/01 08/16

18. Approach Pavement 8 Newer HMA with no cracks. (08/16)
 (01/01)
 ()

19. Approach Shoulders Sidewalks 8 HMA shoulders (08/16)
 (01/01)
 ()

20. Approach Slopes (08/16)
 (01/01)
 ()

21. Utilities Overhead west of bridge (08/16)
 (01/01)
 ()

22. Drainage Culverts (08/16)
 (01/01)
 ()

MISCELLANEOUS

Guard Rail

<u>Item</u>	<u>Rating</u>
36A. Bridge Railings	1
36B. Transitions	1
36C. Approach Guardrail	1
36D. Approach Guardrail Ends	1

Other Items

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

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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		

STRUCTURE INVENTORY AND APPRAISAL

Page 1 of 1

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WORK RECOMMENDATIONS

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WORK RECOMMENDATIONS

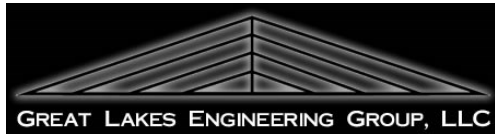
YEBL

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Eric Rickert	Great Lakes Engineering Group	24	08/12/2016

CREW RECOMMENDATIONS

CONTRACT RECOMMENDATIONS

Recommendation Type	Priority	Description	Recommendation Type	Priority	Description
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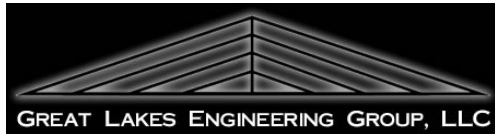
Midland County 2015/2016 Bridge Inspections
West River Dr. over Black Creek
SN 13965
GLEG Project No. 1015-2-336
August 12, 2016

*Road and
bridge section
facing south*



*Top of precast
concrete slabs*





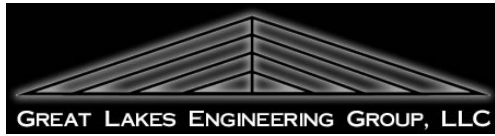
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*Upstream
channel section*



*Downstream
channel section*





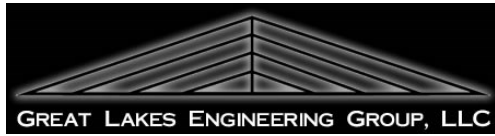
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Bridge railing



*East elevation
of bridge*





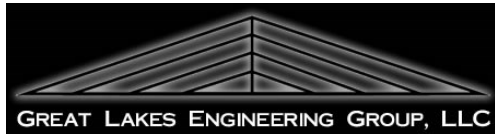
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*Bottom of
precast
concrete slabs*



*Bottom of
precast
concrete slabs*





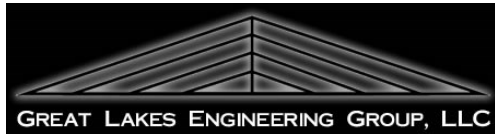
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*West elevation
of bridge*



NW wingwall





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*Incipient spall
in top slab,
near NB edge
line*

