



HARRISON COUNTY



BRIDGE INVENTORY REPORT PHASE II - 2013

COUNTY MAP





ENGINEERING

ENVIRONMENTAL

INSPECTION

LAND SURVEYING

LAND ACQUISITION

PLANNING

WATER &
WASTEWATER

SINCE 1965

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March 4, 2013

Harrison County Board of Commissioners
300 N. Captiol Avenue
Corydon, IN 47112

Commissioners:

We are enclosing the Phase II, Bridge Inventory and Inspection Report for all seventy-seven (77) bridges in Harrison County, Indiana. The report includes bridges more than twenty feet in span length that are not on State or Federal Highways. This study was authorized under an Agreement dated April 5, 2010 between the Board of Harrison County Commissioners and our firm.

This study has been compiled in order to provide you with a more current record of the condition of the bridges for which Harrison County is responsible. The Federal Highway Administration, recognizing that bridge inspection should be a continuing program, has provided funding for 80 percent of the cost of this study.

The data contained in this report has been summarized for your use in managing your County Bridge System. An evaluation of signing and marking is contained in the *List of Safety Items Currently On Bridge*, the *List of Needed Safety Improvements*, and the *List of Safety Items To Be Removed From Bridge*. A *Priority Schedule for Bridges* is included to assist the County in determining which bridges should be replaced or repaired first. Recommended year of replacement and approximate structure costs are shown on this schedule. It is recommended that further study be performed to determine more accurate structure sizes and corresponding appropriate structural types. It should be noted that the estimated costs given in this report are based on current prices and may need to be adjusted as the economy changes.

We wish to express our appreciation for the cooperation extended to us by the Board of Commissioners – George Etheridge, Kenny Saulman, and Jim Klintstiver, and by Kevin Russel, Harrison County Engineer, and by Merril Dougherty and other members of the Bridge Inspection Section, Indiana Department of Transportation.

If you have any questions or comments, please contact our office at your convenience.

Sincerely,

UNITED CONSULTING *JEC*

Christopher J. Wheeler, P.E.
Inspection Team Leader

c: Jack Waldroup Jr.
File 10-202

BRIDGE INVENTORY REPORT

Prepared for

HARRISON COUNTY, INDIANA

Phase II

THE BOARD OF COUNTY COMMISSIONERS
HARRISON COUNTY, INDIANA

George Etheridge


Kenny Saulman

Jim Klinstiver

Prepared by:



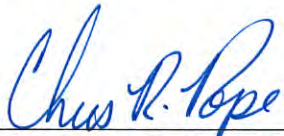
Certified by: Harrison
County Engineer


Kevin Russel, P.E.



Chris Wheeler, P.E.
Team Leader
IN000279-2020





Christopher R. Pope, P.E.
Vice President



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BRIDGE EVALUATION CRITERIA

Introduction

This report was prepared in accordance with the “**INDOT BRIDGE INSPECTION MANUAL, 2010**”, the AASHTO “**MANUAL FOR BRIDGE EVALUATION, SECOND EDITION, 2011**”, and the AASHTO “**STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002**”, and **ALL INTERIM SPECIFICATIONS**.

Scope

Included in this report is a generalized but detailed appraisal for all public Highway Bridges with a total span of more than twenty feet in Harrison County, Indiana, except those bridges maintained by the Indiana Department of Transportation. Bridges located on the North or West borders of Harrison County are not included due to a statutory definition of responsibility, which gives the responsibility for these bridges to the adjoining county.

A total of Seventy-Seven bridges (77) are included in this report.

Bridge Numbering System

The bridge numbering system used in this report corresponds with the numbering system used in the Inventory of County Highway Bridges compiled by Indiana LTAP (Local Transportation Assistance Program).

Structural Inventory and Appraisal Sheet

The results of this bridge inspection are recorded on each bridge's individual "Structure Inventory and Appraisal Sheets." The inspection was completed in accordance with the Guidelines and Item Designation as set forth in the Federal Highway Administration Publication "Recording and Coding guide for the Structure Inventory and Appraisal of the Nation's Bridges," published December 1995 and by the Indiana Department of Transportation Bridge Inspection Program “BRAGI Coding Guide, 2011”.

Field Survey

All bridges over twenty feet in span length were located, inspected, and documented on their "Structure Inventory and Appraisal Sheets." A field crew, using the previous reports to compare with the current conditions, inspected all bridges included in this report. New color photos were taken of all structures as well as individual structure items that had a changed condition.

Office Evaluation

After completion of the field inspection, the structures were reviewed in the office. The field data collected was evaluated and compared with the data from the previous Structural Inventory & Appraisals, and condition and appraisal ratings were revised to reflect present conditions.

The Operating Rating and Inventory Rating were calculated based on structure data obtained during this inspection. During the field inspection, the conditions of structural steel, concrete, and wood were compared with new materials and a percentage of section loss was estimated reflecting the current degree of material deterioration. This estimated percentage loss was used in determining the new operating and inventory ratings.

Replacement Priorities and Repair Recommendations

All structures were evaluated for replacement priorities and repair recommendations. The following are among items, which are given important consideration when determining replacement priorities and repair recommendations:

The Average Daily Traffic on a structure measures the importance of a structure to the County transportation system. Therefore, structures which receive high traffic counts were given higher priorities for replacement or repair than those bridges which handle only a few vehicles per day.

The Structural Condition of a bridge helps estimate the length of time the structure can safely carry traffic at its present capacity. Many structures have deteriorated from age, weathering, or other factors to a condition where repairs are not economically feasible, and must eventually be replaced.

Bridge Alignment and Width is a major indicator of the safety of the structure to the traveling public. Factors included are horizontal and vertical alignment to the approaches in relationship to the bridge, bridge width, approach signing and marking, bridge rail, guard rail, and slope protection.

Inventory Load Capacity indicates the safe load that can repeatedly travel over the bridge in its present structural condition. Structures with low load capacities were given higher replacement priorities than those with more adequate ratings.

Waterway Adequacy indicates if the waterway area under the structure is large enough to handle floodwaters. Existing channel alignment in relationship to the substructure is also analyzed.

Replacement Priorities and Repair Recommendations (continued)

Estimated Replacement Cost is important in setting repair recommendations or replacement priorities. Large structures cost a great deal to replace and were recommended for repairs whenever possible; likewise, many small structures were recommended for replacement. Since replacement costs were not that much greater than extensive repair costs, some of these small bridges can be replaced with pipes or pipe arches at a considerable savings over replacement with a conventional bridge. However, this can only be recommended after a complete hydraulic analysis has been completed.

Whenever practical, repair recommendations were given to structures where repairs could significantly increase their life and safety. In many cases, extensive repairs are not feasible since the structures would still be deficient in other aforementioned vital areas.

Rusting is a major problem on any bridge consisting of steel members. The rusting and resulting deterioration of members can greatly decrease structure's future usable life. Cleaning and painting the steel as soon as possible is very important in insuring the longevity of these structures.

Signs and Markings

The recommended signing tabulated in this report is the minimum required by the "Manual on Uniform Traffic Control Devices for Streets and Highways" published by the Federal Highway Administration and the Indiana Department of Highways. An assessment should be made in the field for the possibility of extending the signing to include features such as intersections, curves, or other unsafe conditions near the bridge.

LISTING OF BRIDGE INSPECTION PERSONNEL, TITLE, QUALIFICATIONS, AND RESPONSIBILITIES

Name/Title	Experience/ Qualifications	Attended NHI Class	Biennial Inspection	Fracture Critical	Under-water	Special Detail	Load Rating	Responsibilities/Duties
Chris Pope, P.E. Bridge Department Manager	B.S. - Civil Engineering Kentucky University Indiana Professional Engineer #19700026 23 Years Experience in Bridge Design and Inspection	-	-	-	-	-	-	General Project Supervision
Chris Wheeler, P.E. Project Engineer IN000279-2020	B.S. - Civil Engineering Purdue University Indiana Professional Engineer #11100027 8 Years Experience in Bridge Design and Inspection	2010	X	X	-	-	-	Project Manager Fracture Critical Inspection
Mark Berry, S.I. Construction Manager IN000154-2015	B.S. - Industrial Technology Indiana State Construction Project Manager 28 Years Experience in Bridge Construction and Inspection	X	X	-	-	-	-	Field Inspection Recording of Field Data
Jacob Blanchard, P.E. Project Engineer IN000308-2022	B.S. - Civil Engineering Trine University Indiana Professional Engineer #11100671 1 Year of Experience in Bridge Design and 4 Years of Experience in Building	X	-	-	-	-	X	Report Preparation Load Rating Analysis
Megan Gasser, E.I. Design Engineer	B.S. - Civil Engineering Rose-Hulman Institute of Technology Engineering Intern 3 Years Experience in Bridge Design and Inspection	-	-	-	-	-	X	Report Preparation Load Rating Analysis

The following Project Team Leaders were present and were actively involved in the Field Inspections of all bridges in Harrison County.



Chris Wheeler, P.E.



Mark Berry, S.I.

PRIORITY SCHEDULE FOR BRIDGE
 (1) REPLACEMENT (2) REHABILITATION
 (3) WIDENING (4) REPAIR (5) ELIMINATION

Bridge Number	Year of Work	Type of Work	Inventory Rating	Sufficiency Rating	Estimated Bridge Cost (x \$1,000)	Estimated Total Cost (x\$1,000)	Estimated Maintenance Cost (x \$1000)	Local Maint. Year Needed
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CATEGORY: 1

00015	2013	31	3 Tons	2.0	130	440	11	2013
00091	2020	31	13 Tons	64.4	212	524	5	2013

Total Bridges for Category 1 : 2

CATEGORY: 2

00058	2013	35	9 Tons	40.0	70	70	19	2013
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Total Bridges for Category 2 : 1

CATEGORY: 3

Total Bridges for Category 3 : 0

CATEGORY: 4

Total Bridges for Category 4 : 0

CATEGORY: 5

Total Bridges for Category 5 : 0

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00001	NADORFF ROAD	CORN CREEK	2012	13	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL.
00002	CROSS CREEK DR	CORN CREEK	2012	15	RECOMMEND INSTALLING A CONNECTION THROUGH BOLT FOR BEAMS, CURVE WARNING SIGNS, BEM'S AND CURRENT STANDARD BRIDGE AND APPROACH RAIL, AND UNDERPINNING BOTH ABUTMENT FOOTINGS WITH UNDERPINNING KEYED INTO ROCK.
00003	EAST OLD GOSHEN RD	NO NAME CREEK	2012	1	RECOMMEND INSTALLING BEM'S AND CLEANING LOOSE STONES FROM DECK AND END JOINTS.
00006	MOTTS RD	INDIAN CREEK	2012	5	RECOMMEND REMOVING DEBRIS FROM PIERS, CLEANING END JOINTS AND UTILITY CONDUIT, REMOVING SMALL TREES FROM WATERWAY OPENINGS, AND INSTALLING BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00010	COOKS MILL RD	CRANDALL BRANCH	2012	3	RECOMMEND INSTALLING BEM'S AND CURVE WARNING SIGNS AND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL TRANSITIONS.
00011	TANDY RD	WOERTZ CREEK	2012	14	RECOMMEND SEALING CRACK IN EAST COPING BEAM, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S
00012	NADORFF RD	CORN CREEK	2012	14	RECOMMEND INSTALLING CURVE WARNING SIGNS AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00013	GRAVEL CREEK RD	RACCOON CREEK	2012	13	RECOMMEND INSTALLING CURVE WARNING SIGNS, NARROW BRIDGE SIGNS AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL.
00014	BIG INDIAN RD	BRANCH OF INDIAN CREEK	2012	14	RECOMMEND PLACING ADDITIONAL BITUMINOUS WEDGES ON BRIDGE APPROACHES, AND INSTALLING CURVE WARNING SIGNS AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00015	BIG INDIAN RD	BRUSH HEAP CREEK	2013	11	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S AND CURVE WARNING SIGNS.

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00016	PFRIMMER CHAPEL RD	RACCOON BRANCH	2012	3	RECOMMEND CLEANING SAND AND GRAVEL FROM DECK AND END JOINTS, AND INSTALLING B.E.M'S.
00017	ANGEL RUN RD	CRANDALL BRANCH	2012	17	RECOMMEND ADDING STONE TO SHOULDERS, CLEANING SAND FROM DECK AND END JOINTS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00018	OWENS LN	BRUSH HEAP CREEK	2012	15	RECOMMEND INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, BACKFILLING BEHIND THE NORTHWEST RETAINING WALL, REPAIRING THE GUARDRAIL AT NORTHWEST COPING, AND PATCHING BEAM DAMAGE.
00021	E WHISKEY RUN RD	CORN CREEK	2012	1	RECOMMEND INSTALLING B.E.M'S AND BRIDGE RAILING TRANSITIONS.
00023	WALNUT VALLEY RD	TRIB OF HICKMAN BRANCH	2012	7	RECOMMEND INSTALLING CURVE WARNING SIGNS AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL.
00024	WALNUT VALLEY RD	HICKMAN BRANCH	2012	22	RECOMMEND CLEANING EDGE DRAIN, INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL AND PLACING A PROTECTIVE WEARING SURFACE.
00025	CORYDON-NEW MDDLTN	LITTLE INDIAN CREEK	2012	4	RECOMMEND REPAIRING APPROACH GUARDRAIL AND PLACING BEM'S, REPAIRING S-S JOINT AT SOUTH END OF BRIDGE, CLEANING EDGES OF DECK, AND CLEANING AND PROTECTING STEEL AT BEARING AREAS.
00027	NEW MIDDLETOWN RD	LITTLE INDIAN CREEK	2012	4	RECOMMEND REPLACING JOINT AT SOUTH END OF BRIDGE, CLEANING AND SEALING JOINTS BETWEEN CONCRETE APPROACH SLABS AND BITUMINOUS, AND INSTALLING BEM'S.
00029	BIG INDIAN RD	BRUSH HEAP CREEK	2012	4	RECOMMEND INSTALLING BRIDGE RAILING TRANSITIONS AND ADDING RIPRAP AT EACH ABUTMENT.
00030	NEW MIDDLETOWN RD	NO NAME CREEK	2012	13	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00031	PFRIMMER CHAPEL RD	LITTLE INDIAN CREEK	2012	19	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND CLEANING AND PATCHING SPALLS AND DELAMINATIONS ON SURFACE.
00032	HARRISON SPRING RD	BRANCH OF BLUE RIVER	2012	15	RECOMMEND INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00034	BUCK CR RIDGE RD	BRANCH OF BUCK CREEK		2	RECOMMEND INSTALLING BRIDGE RAIL TRANSITIONS AND BACKFILLING ALONG NORTH SIDE OF THE WEST APPROACH SLAB.
00035	PAYTON RD	BUCK CREEK	2012	15	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S, AND PATCHING SPALLS ON BENTS.
00036	NEW MIDDLETOWN RD	BUCK CREEK	2012	13	RECOMMEND INSTALLING CURVE WARNING SIGNS, BRIDGE RAIL TRANSITIONS AND CURRENT STANDARD APPROACH RAIL WITH B.E.M'S, CLEANING THE GUTTER LINE AND DRAINS, AND INSTALLING JOINT MATERIAL IN OPEN JOINTS.
00037	TURLEY RD	LITTLE INDIAN CREEK	2012	19	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S, PLACING RIPRAP AT PIERS, AND CLEANING DECK AND END JOINTS.
00038	UNION CHAPEL RD	BUCK CREEK	2012	4	RECOMMEND INSTALLING CURVE WARNING SIGNS, PLACING BEM'S, REMOVING RIPRAP DAMS DOWNSTREAM, AND CLEARING SMALL TEES FROM WATERWAY OPENINGS.
00039	ST PETERS CHURCH R	NO NAME CREEK	2012	11	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00040	ST PETERS CHURCH R	BRANCH OF INDIAN CREEK	2012	12	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S AND BRIDGE AND APPROACH GUARDRAIL.
00041	SANDY BRANCH RD	BUCK CREEK	2012	2	RECOMMEND INSTALLING BRIDGE RAIL TRANSITIONS, B.E.M. AT NORTHEAST CORNER, AND REMOVING ROCK SILT BUILD UP IN EAST WATERWAY OPENING.

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00042	ROSEWOOD RD	MOSQUITO CREEK	2012	14	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00043	ST JOHN CHURCH RD	BUCK CREEK	2012	35	RECOMMEND INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND PLACING A PROTECTIVE WEARING SURFACE.
00046	BUENA VISTA RD	MOSQUITO CREEK	2012	12	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, CURVE WARNING SIGNS AND NARROW BRIDGE SIGNS.
00050	RIVER RD	LICK RUN CREEK	2012	11	RECOMMEND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL, INSTALLING JOINT MATERIAL OVER PIERS, PATCHING SPALLS AND DELAMINATIONS IN PIER COLUMNS, AND BACKFILLING AND PROTECTING NORTHEAST CORNER OF EAST BENT AND APPROACH.
00051	RIVER RD	PRIVATE HAUL RD	2012	2	RECOMMEND UNDERPINNING THE APPROACH SLABS WHERE FILL HAS SETTLED, AND INSTALLING B.E.M'S.
00055	LICKFORD BRIDGE RD	INDIAN CREEK	2012	16	RECOMMEND PLACING A ONE LANE BRIDGE SIGN AT END, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL.
00056	ROCKY HOLLOW RD	INDIAN CREEK	2012	13	RECOMMEND CLEARING DEBRIS FROM BRIDGE WATERWAY OPENING, STABILIZING EDGE OF CONCRETE APPROACH SLABS, INSTALLING STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND PLACING ONE LANE BRIDGE SIGNS AND CURVE WARNING SIGNS.
00057	MATHIS RD	INDIAN CREEK	2012	2	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, AND BRIDGE TRANSITIONS.
00058		INDIAN CREEK		0	NO WORK NEEDED.
00061	CRANDALL-LANESVL R	LAZY CREEK	2012	1	RECOMMEND INSTALLING B.E.M'S.

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00062	PUMPING STATION RD	SOUTH FORK BUCK CREEK	2012	4	RECOMMEND INSTALLING A CURVE WARNING SIGN TO THE SOUTH, PLACING B.E.M'S, AND REPAIRING EROSION AND WATERWAY DAMAGE AT SOUTH END OF DAM.
00063	ST JOHN CHURCH RD	PANTHER CREEK	2012	14	RECOMMEND PATCHING WEST COPING BEAM, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S AND CURVE WARNING SIGNS.
00064	MCPHILLIPS RD	MIDDLE FORK BUCK CREEK	2012	17	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL, AND REMOVING DEBRIS AND FALLEN TREES FROM PIERS.
00065		INDIAN CREEK		0	NO WORK NEEDED.
00066	CRANDALL BRANCH RD	CRANDALL BRANCH	2012	13	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL, AND REMOVING VINES GROWING ALONG BEAMS AND ABUTMENTS.
00067	CRANDALL BRANCH RD	CRANDALL BRANCH	2012	12	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.
00068	ZOLLMAN RD	PANTHER CREEK	2012	5	RECOMMEND INSTALLING ADDITIONAL APPROACH GUARDRAIL, TRANSITIONS, CURVE WARNING SIGNS AND B.E.M AT NORTHWEST CORNER.
00070	Old DAM 43 RD	MOSQUITO CREEK	2012	11	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL.
00071	BLUE SPRINGS RD	INDIAN CREEK	2012	32	RECOMMEND INSTALLING CURVE WARNING SIGNS, NARROW BRIDGE SIGN AT SOUTH, AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL, PLACING A PROTECTIVE WEARING SURFACE, AND REPAIRING DAMAGE TO WEST COPING BEAM AT SOUTH END OF BEAM.
00072	PONDEROSA RD	LAZY CREEK	2012	1	RECOMMEND INSTALLING CURVE WARNING SIGNS.

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00073	RIVER RD	BRANCH OF OHIO RIVER	2012	22	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL, PLACING RIPRAP AROUND COLUMNS OF BOTH PIERS, AND BACKFILLING SHOULDER EROSION AT THE NORTHEAST.
00074	CRANDALL-LANESVLR	CRANDALL BRANCH	2012	14	RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, CURRENT STANDARD BRIDGE AND APPROACH RAIL, AND REPAIRING ROADWAY EROSION AT NORTHEAST CORNER OF BRIDGE.
00075	CRESTVIEW AVE	LITTLE INDIAN CREEK	2012	10	RECOMMEND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL WITH B.E.M'S, AND REPAIRING SETTLED SIDEWALK AT NORTHEAST CORNER.
00076	PARK DR	LITTLE INDIAN CREEK	2012	14	RECOMMEND INSTALLING STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, UNDERPINNING THE CURB AT SOUTHEAST CORNER, REPAIRING DAMAGED GUARDRAIL POST, BACKFILLING AND PROTECTING SHOULDERS AT SOUTHEAST, SOUTHWEST, AND NORTHWEST CORNERS OF BRIDGE.
00081	TUNNEL RD	N&W RR	2012	8	RECOMMEND INSTALLING END TREATMENTS, B.E.M'S, AND CURVE WARNING SIGNS, REPLACING SOUTH END JOINT, CLEANING THE NORTH JOINT, AND REMOVING TREES FROM UNDER THE BRIDGE.
00082	SEVEN SPRINGS RD	UNION CREEK	2012	5	RECOMMEND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL WITH B.E.M'S.
00083	HILLVIEW RD	BRANCH OF BLUE RIVER	2012	12	RECOMMEND INSTALLING CURVE WARNING SIGNS, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S, AND REPAIRING SHOULDER EROSION AT NORTHWEST CORNER OF BRIDGE.
00084	ROCKY HOLLOW RD	INDIAN CREEK	2012	25	RECOMMEND INSTALLING CURVE WARNING SIGNS, NARROW BRIDGE SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND CLEANING BRIDGE SEATS AND METAL GRATING OVER R/R CARS.
00085	COEN TUSH RD	CORN CREEK	2012	5	RECOMMEND INSTALLING BRIDGE RAIL TRANSITIONS AND B.E.M'S AND PLACING RIPRAP AT EACH ABUTMENT.
00086	ROGERS CAMPGRNDRD	SOUTH FORK BUCK CREEK	2012	7	RECOMMEND INSTALLING NARROW BRIDGE SIGNS, GUARDRAIL END TREATMENTS WITH B.E.M'S, AND REPLACING THE MISSING JOINT AT WEST END OF BRIDGE.

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00087	BLACK CHAPEL RD	MIDDLE FORK BUCK CREEK	2012	6	RECOMMEND INSTALLING BRIDGE RAILING TRANSITIONS, APPROACH RAIL AND CURVE WARNING SIGNS.
00089	SOUTH ST LOUIS RD	NO NAME CREEK	2012	6	RECOMMEND INSTALLING GUARDRAIL END TREATMENTS AND B.E.M'S.
00090	NEWCUT RD	BRANCH OF CORN CREEK	2012	13	RECOMMEND INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S, AND PATCHING DAMAGED BEAMS AT EAST COPING.
00091	TEE RD	RACCOON BRANCH	2013	5	RECOMMEND INSTALLING BRIDGE RAIL TRANSITIONS, PLACING ADVANCE POST SIGNS, PATCHING SPALLED PIER, AND REPAIRING DAMAGED APPROACH GUARDRAIL.
00092	LAZY CREEK RD	LAZY CREEK	2012	1	RECOMMEND INSTALLING CURVE WARNING SIGNS AND B.E.M'S.
00093	BRADFORD RD	BRANCH OF CORN CREEK	2012	24	RECOMMEND INSTALLING CURVE WARNING SIGNS AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, PLACING A PROTECTIVE WEARING SURFACE, ADDING RIPRAP AT EACH ABUTMENT, REPAIRING CHANNEL/SHOULDER EROSION BEHIND NE WINGWALL.
00094	KINGS LN	NO NAME CREEK	2012	12	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE RAIL AND TRANSITIONS WITH B.E.M'S, AND CLEARING DEBRIS FROM CHANNEL.
00095	APPLE LN	NO NAME CREEK	2012	13	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE RAIL AND TRANSITIONS WITH B.E.M'S, ADDING RIPRAP ON WATERWAY SLOPES, AND UNDERPINNING THE SOUTHEAST BENT AND SOUTHEAST APPROACH.
00097	PINE HILL DR	SOUTH FORK BUCK CREEK	2012	12	RECOMMEND INSTALLING CURVE WARNING SIGNS, AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL.
00098	DEATRICKS RD	SOUTH FORK BUCK CREEK	2012	12	RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL, AND PATCHING SPALLS ON BEAMS 1 AND 2.

RECOMMENDED MAINTENANCE

Bridge Number	Facility Carried	Feature Intersected	Year Needed	Est. Cost (x \$1,000)	Remarks
00099	HULSE RD	SOUTH FORK BUCK CREEK	2012	12	RECOMMEND INSTALLING NARROW BRIDGE SIGNS, CURVE WARNING SIGNS, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S.
00102	CRANDALL-LANESVL R	LITTLE INDIAN CREEK	2012	11	RECOMMEND INSTALLING BRIDGE RAIL TRANSITIONS AND BRIDGE AND APPROACH RAIL WITH B.E.M'S, PATCHING SPALLS IN THE DECK SURFACE, AND INSTALLING JOINT MATERIAL WITH OPEN JOINTS.
00110	MOSQUITO CREEK RD	WEST BRANCH CREEK	2012	12	RECOMMEND INSTALLING NARROW BRIDGE SIGNS, CURVE WARNING SIGNS, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S.
00111	REHOBETH RD	MAYS BRANCH	2012	5	RECOMMEND PLACING RIPRAP AT EAST ABUTMENT, REPAIRING SHOULDER EROSION AT NORTHEAST AND NORTHWEST, REMOVING SILT FROM THE CENTER SPAN, UNDERPINNING NORTH END OF EAST BENT, AND INSTALLING BRIDGE RAIL TRANSITIONS AND B.E.M'S.
00112	VALLEY VIEW RD	INDIAN CREEK	0	0	NO WORK NEEDED.
00113	INDIAN CREEK TRAIL	INDIAN CREEK	0	0	NO WORK NEEDED.
00165	CIRCLE RD	INDIAN CREEK	2012	1	RECOMMEND INSTALLING CURVE WARNING SIGNS AND APPROACH GUARDRAIL TRANSITIONS.

LIST OF SAFETY ITEMS CURRENTLY ON BRIDGE

Bridge Number	One Lane	Narrow Bridge	Guard Rail	Approach Rail	Bridge End Markers	Speed Limit	Curve Signs	Advance Warning Load Limit Signs	No Trucks	Load Posting	Under-clearance Signs	Other	Comments
00001			X	X									
00002			X	X									
00003			X	X									
00006			X	X									
00010			X	X		X							
00011			X	X									
00012			X	X									
00013			X	X	X								
00014			X	X									
00015	X		X	X				X		X			
00016			X	X									
00017			X	X									
00018			X	X									
00021			X	X									
00023		X	X	X	X								
00024			X	X									
00025		X	X	X									
00027			X	X		X							
00029			X	X	X								
00030			X	X									
00031			X			X							
00032			X	X			X						
00034			X	X	X								
00035			X	X		X	X						
00036			X	X									
00037			X	X			X						
00038			X	X									
00039			X	X									
00040			X	X									
00041			X	X	X		X						
00042			X	X									
00043			X	X									
00046			X	X									
00050			X	X	X	X							
00051			X	X									
00055	X		X	X	X								
00056	X												
00057			X	X	X								
00058			X	X								X	
00061			X	X		X							
00062			X	X			X						
00063			X	X									
00064			X	X									
00065			X	X								X	
00066			X	X									

LIST OF SAFETY ITEMS CURRENTLY ON BRIDGE

Bridge Number	One Lane	Narrow Bridge	Guard Rail	Approach Rail	Bridge End Markers	Speed Limit	Curve Signs	Advance Warning Load Limit Signs	No Trucks	Load Posting	Under-clearance Signs	Other	Comments
00067			X	X									
00068			X	X									
00070			X	X									
00071		X	X	X	X								
00072			X	X	X	X							
00073			X	X	X	X							
00074			X	X									
00075			X	X		X							
00076			X	X									
00081			X	X									
00082			X	X									
00083			X	X									
00084			X	X									
00085			X	X									
00086			X	X		X							
00087			X	X	X								
00089			X	X	X								
00090			X	X									
00091		X	X	X	X	X	X	X		X			
00092			X	X									
00093			X	X		X							
00094			X	X									
00095			X	X									
00097		X	X	X	X								
00098		X	X	X	X								
00099			X	X		X							
00102			X	X		X							
00110			X	X									
00111			X	X									
00112			X	X									
00113			X	X								X	
00165			X	X	X	X							

LIST OF NEEDED SAFETY IMPROVEMENTS

Bridge Number	One Lane	Narrow Bridge	Guard Rail	Approach Rail	Bridge End Markers	Speed Limit	Curve Signs	Advance Warning Load Limit Signs	No Trucks	Load Posting	Under-clearance Signs	Other	Comments
00001			X	X	X		X						
00002			X	X	X		X						
00003					X								
00006			X	X	X								
00010				X	X		X						
00011			X	X	X								
00012			X	X	X		X						
00013		X	X	X			X						
00014			X	X	X		X						
00015			X	X	X		X						
00016					X								
00017			X	X	X								
00018			X	X	X		X						
00021			X	X	X								
00023				X			X						
00024			X	X			X						
00025				X	X								
00027					X								
00029													
00030			X	X	X								
00031			X	X	X								
00032			X	X	X		X						
00034													
00035			X	X	X								
00036			X	X	X		X						
00037			X	X	X								
00038					X		X						
00039			X	X	X								
00040			X	X	X		X						
00041				X	X								
00042			X	X	X								
00043			X	X	X		X						
00046		X	X	X	X		X						
00050			X	X	X								
00051					X								
00055	X		X	X									
00056	X		X	X	X		X						
00057			X	X	X		X						
00058			X	X									
00061					X								
00062					X		X						
00063		X	X	X	X		X						
00064			X	X	X		X						
00065			X	X									
00066			X	X	X		X						

LIST OF NEEDED SAFETY IMPROVEMENTS

Bridge Number	One Lane	Narrow Bridge	Guard Rail	Approach Rail	Bridge End Markers	Speed Limit	Curve Signs	Advance Warning Load Limit Signs	No Trucks	Load Posting	Under-clearance Signs	Other	Comments
00067			X	X	X								
00068				X	X		X						
00070			X	X	X		X						
00071		X	X	X	X		X						
00072							X						
00073			X	X	X		X						
00074			X	X	X		X						
00075			X	X	X								
00076			X	X	X								
00081					X		X						
00082				X	X								
00083			X	X	X		X						
00084		X	X	X	X		X						
00085					X								
00086		X			X								
00087				X	X		X						
00089					X								
00090			X	X	X		X						
00091													
00092					X		X						
00093			X	X	X		X						
00094			X	X	X								
00095			X	X	X								
00097			X	X			X						
00098			X	X	X								
00099		X	X	X	X		X						
00102			X	X	X								
00110		X	X	X	X		X						
00111					X								
00112													
00113													
00165							X						

LIST OF SAFETY ITEMS TO BE REMOVED FROM BRIDGE

Bridge Number	One Lane	Narrow Bridge	Guard Rail	Approach Rail	Bridge End Markers	Speed Limit	Curve Signs	Advance Warning Load Limit Signs	No Trucks	Load Posting	Under-clearance Signs	Other	Comments
00001													
00002													
00003													
00006													
00010													
00011													
00012													
00013													
00014													
00015													
00016													
00017													
00018													
00021													
00023													
00024													
00025													
00027													
00029													
00030													
00031													
00032													
00034													
00035													
00036													
00037													
00038													
00039													
00040													
00041													
00042													
00043													
00046													
00050													
00051													
00055													
00056													
00057													
00058													
00061													
00062													
00063													
00064													
00065													
00066													

LIST OF SAFETY ITEMS TO BE REMOVED FROM BRIDGE

Bridge Number	One Lane	Narrow Bridge	Guard Rail	Approach Rail	Bridge End Markers	Speed Limit	Curve Signs	Advance Warning Load Limit Signs	No Trucks	Load Posting	Under-clearance Signs	Other	Comments
00067													
00068													
00070													
00071													
00072													
00073													
00074													
00075													
00076													
00081													
00082													
00083													
00084													
00085													
00086													
00087													
00089													
00090													
00091													
00092													
00093													
00094													
00095													
00097													
00098													
00099													
00102													
00110													
00111													
00112													
00113													
00165													

LIST OF POSTED BRIDGES

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Tons Posted	Posted or Closed	Date Posted
00015	BIG INDIAN RD	BRUSH HEAP CREEK	03.00 mi. W PFRIMMER CHAPEL RD	M-13	03	POSTED	12/11/2012
00055	LICKFORD BRIDGE RD	INDIAN CREEK	00.10 mi. NW OF BLUE SPRING RD	D-21	20	POSTED, Other	09/01/2008
00056	ROCKY HOLLOW RD	INDIAN CREEK	00.50 mi. W OF LICKFORD BR. RD	D-20	20	POSTED, Other	06/01/2008
00058	Pedestrian Trail	INDIAN CREEK	00.80 mi. SE OF BUSSABARGER RD	G-17	00	POSTED, Other	03/04/2013
00065	Pedestrian Trail	INDIAN CREEK	00.70 mi. SE OF IN-135	M-9	00	POSTED, Other	03/04/2013
00091	TEE RD	RACCOON BRANCH	00.20 mi. S OF SR 335	M-10	13	POSTED	01/01/1987
00113	INDIAN CREEK TRAIL	INDIAN CREEK	mi. HAYSWOOD NATURE PRES.	G-17	20	POSTED, Other	12/05/2012

Total Bridges Posted or Closed: 7

LIST OF POSTED BRIDGES

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Tons Posted	Posted or Closed	Date Posted
00015	BIG INDIAN RD	BRUSH HEAP CREEK	03.00 mi. W PFRIMMER CHAPEL RD	M-13	03	POSTED	12/11/2012
00055	LICKFORD BRIDGE RD	INDIAN CREEK	00.10 mi. NW OF BLUE SPRING RD	D-21	20	POSTED, Other	09/01/2008
00056	ROCKY HOLLOW RD	INDIAN CREEK	00.50 mi. W OF LICKFORD BR. RD	D-20	20	POSTED, Other	06/01/2008
00058	Pedestrian Trail	INDIAN CREEK	00.80 mi. SE OF BUSSABARGER RD	G-17	09	POSTED, Other	03/04/2013
00065	Pedestrian Trail	INDIAN CREEK	00.70 mi. SE OF IN-135	M-9	00	POSTED, Other	03/04/2013
00091	TEE RD	RACCOON BRANCH	00.20 mi. S OF SR 335	M-10	13	POSTED	01/01/1987
00113	INDIAN CREEK TRAIL	INDIAN CREEK	mi. HAYSWOOD NATURE PRES.	G-17	05	POSTED, Other	12/05/2012

Total Bridges Posted or Closed: 7

LIST OF CLOSED BRIDGES

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Tons Posted	Posted or Closed	Date Posted
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Total Bridges Posted or Closed: 0

LIST OF BRIDGES THAT MUST BE POSTED

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Tons Posted	Posted or Closed	Date Posted
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Total Bridges That Must Be Posted: 0

LIST OF BRIDGES THAT MUST BE CLOSED

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Tons Posted	Posted or Closed	Date Posted
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Total Bridges That Must Be Closed: 0

LISTING OF BRIDGES THAT REQUIRE POSTING CORRECTIONS

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Required Posting Tons	Current Tons Posted
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Total Bridges With Posting Revisions: 0

SUMMARY OF BRIDGES
(1) NEW, (2) REHABILITATED AND (3) REPAIRED

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Year of Work
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CATEGORY: 1

00112	VALLEY VIEW RD	INDIAN CREEK	0.8 mi. SE OF BUSSABARGER RD	G-17	2012
00113	INDIAN CREEK TRAIL	INDIAN CREEK	mi. HAYSWOOD NATURE PRES.	G-17	2012

Total Bridges for Category 1 : 2

CATEGORY: 2

Total Bridges for Category 2 : 0

CATEGORY: 3

Total Bridges for Category 3 : 0

SUMMARY OF BRIDGES
(1) ADDED, (2) ARCHIVED/DELETED

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location	Year Built
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CATEGORY: 1

00112	VALLEY VIEW RD	INDIAN CREEK	0.8 mi. SE OF BUSSABARGER RD	G-17	2012
00113	INDIAN CREEK TRAIL	INDIAN CREEK	mi. HAYSWOOD NATURE PRES.	G-17	2012

Total Bridges for Category 1 : 2

CATEGORY: 2

Total Bridges for Category 2 : 0

SUMMARY OF STRUCTURE TYPES

Bridge Type	Bridge Code	Total	Description
PCBB - 506	505	26	PRESTRESSED CONCRETE BOX BEAM OR GIRDERS - MULTIPLE
CPCBB - 605	605	5	PRESTRESSED CONCRETE CONTINUOUS BOX BEAM OR GIRDERS - MULTIPLE
CRCS - 201A	201A	9	CONCRETE CONTINUOUS SLAB
SB - 302D	302D	6	STEEL STRINGER/MULTI-BEAM OR GIRDER
MPAUF - 319A	919B	4	ALUMINUM, WROUGHT IRON, CAST IRON CULVERT (INCLUDES FRAME CULVERTS)
TS - 701	701	1	WOOD OR TIMBER SLAB
CSB - 402A	402A	1	STEEL CONTINUOUS STRINGER/MULTI-BEAM OR GIRDER
RCS - 101A	101A	11	CONCRETE SLAB
CPCIB - 602A	602A	2	PRESTRESSED CONCRETE CONTINUOUS STRINGER/MULTI-BEAM OR GIRDER
CCTB - 204	204	1	CONCRETE CONTINUOUS TEE BEAM
SPT - 310A	310A	2	STEEL TRUSS - THRU
CPCBB-606-Spread	606	1	PRESTRESSED CONCRETE CONTINUOUS BOX BEAM OR GIRDERS - SINGLE OR SPREAD
STT - 310B	310B	3	STEEL TRUSS - THRU
PCS - 101B	101B	1	CONCRETE SLAB
PCIB - 502A	502A	2	PRESTRESSED CONCRETE STRINGER/MULTI-BEAM OR GIRDER
SG - 302E	302E	1	STEEL STRINGER/MULTI-BEAM OR GIRDER
SRRFC - 300A	300A	1	STEEL OTHER

77 Total Structures

LISTING OF BRIDGES WITH INVENTORY
ROUTES ON THE NATIONAL HIGHWAY SYSTEM

Bridge Number	Facility Carried	Feature Intersected	Location	Map Location
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Total Bridges On NHS: 0

LISTING OF HISTORICAL STRUCTURES
 (1) ON NATIONAL REGISTER OF HISTORIC PLACES
 (2) ELIGIBLE FOR NATIONAL REGISTER OF HISTORIC PLACES
 (3) POSSIBLY ELIGIBLE FOR NATIONAL REGISTER OF HISTORIC PLACES

Bridge No.	Year Built	Structure Type	Location	Map	Features Intersected
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CATEGORY: 1

Total Bridges for Category 1 : 0

CATEGORY: 2

Total Bridges for Category 2 : 0

CATEGORY: 3

00058	1899	STT - 310B	00.80 mi. SE OF BUSSABARGER RD	G-17	INDIAN CREEK
00065	1899	STT - 310B	00.70 mi. SE OF IN-135	M-9	INDIAN CREEK
00113	2012	STT - 310B	mi. HAYSWOOD NATURE PRES.	G-17	INDIAN CREEK

Total Bridges for Category 3 : 3

LISTING OF NAVIGABLE WATERWAYS

Bridge No.	Facility Intersected	Facility Carried	Vertical Clearance (ft)
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There are no bridges that qualify for Coast Guard Navigation Control.

SUMMARY OF CHANGES IN ITEMS 92A, 92B and 92C

Bridge Number	92a Old Value	92A New Value	92B Old Value	92B New Value	92C Old Value	92C New Value
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Total Bridges With Changes: 0

INSPECTION STATUS OF SCOUR CRITICAL BRIDGES

- 77 Bridges currently in Harrison County's Inventory.
- 75 Bridges over a waterway (Item #42B coded = 5,6,7,8,9 or 0)
- 0 Bridges CLOSED due to scour problems
- 1 Bridges considered SCOUR CRITICAL
- 0 Bridges with designed and working scour counter measures in-place
- 0 Bridges with Unknown foundation types

LIST OF "SCOUR CRITICAL BRIDGES":

Bridge No.	NBI Item #113A Code
00055	3 - SCOUR CRITICAL - UNSTABLE

Total Bridges Listed as Scour Critical: 1

LIST OF BRIDGES "WITH UNKNOWN FOUNDATION TYPES":

Bridge No.	NBI Item #113A Code	Substructure Unit(s) with Unknown Foundation Type
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Total Bridges With Unknown Foundation Types: 0

LOAD CAPACITY STATUS

77 Bridges currently in Harrison County's Inventory.

Method Used:

0	Load Factor (LF) Method Used	0%
8	Allowable Stress (AS) Method Used	10.39%
8	Load and Resistance Factor (LRFD) Method Used	10.39%
0	Load Testing Method Used	0%
61	No Rating Analysis Performed	79.22%

Bridge No.	Inventory Rating Method	Operating Rating Method	H Inventory Rating	HS Inventory Rating	HS Operating Rating	Year of Operating Rating
00001	3	3	20	36	45	2010
00002	5	5	20	36	45	2010
00003	3	3	20	36	45	2010
00006	5	5	20	36	45	2010
00010	5	5	20	36	45	2010
00011	5	5	20	36	45	2010
00012	3	3	20	36	45	2010
00013	5	5	20	36	45	2010
00014	5	5	20	36	45	2010
00015	2	2	03	06	09	2012
00016	5	5	20	36	45	2010
00017	5	5	20	36	45	2010
00018	5	5	20	36	45	2010
00021	5	5	20	36	45	2010
00023	5	5	20	36	45	2010
00024	2	2	20	36	45	2010
00025	2	2	20	36	45	2010
00027	5	5	20	36	45	2010
00029	5	5	20	36	45	2010
00030	5	5	20	36	45	2010
00031	5	5	20	36	45	2010
00032	5	5	20	36	45	2010
00034	5	5	20	36	45	2010
00035	5	5	20	36	45	2010
00036	5	5	20	36	45	2010
00037	5	5	20	36	45	2010
00038	5	5	20	36	45	2010
00039	5	5	20	36	45	2010
00040	5	5	20	36	45	2010
00041	5	5	20	36	45	2010
00042	5	5	20	36	45	2010
00043	5	5	20	36	45	2010
00046	5	5	20	36	45	2010
00050	5	5	16	29	42	2010
00051	5	5	20	36	45	2010
00055	5	5	20	36	45	2010

LOAD CAPACITY STATUS

Bridge No.	Inventory Rating Method	Operating Rating Method	H Inventory Rating	HS Inventory Rating	HS Operating Rating	Year of Operating Rating
00056	2	2	20	36	45	2010
00057	5	5	20	36	45	2010
00058	2	2	09	15	23	2010
00061	5	5	20	36	45	2010
00062	5	5	20	36	45	2010
00063	5	5	20	36	45	2010
00064	5	5	20	36	45	2010
00065	5	5	00	00	00	2010
00066	5	5	20	36	45	2010
00067	5	5	20	36	45	2010
00068	5	5	20	36	45	2010
00070	5	5	20	36	45	2010
00071	5	5	20	36	45	2010
00072	5	5	20	36	45	2010
00073	2	2	20	36	45	2010
00074	3	3	20	36	45	2010
00075	5	5	20	36	45	2010
00076	5	5	20	36	45	2010
00081	2	2	20	36	45	2010
00082	5	5	20	36	45	2010
00083	5	5	20	36	45	2010
00084	2	2	20	36	45	2010
00085	5	5	20	36	45	2010
00086	5	5	20	36	45	2010
00087	5	5	20	36	45	2010
00089	5	5	20	36	45	2010
00090	5	5	20	36	45	2010
00091	5	5	13	23	30	2010
00092	5	5	20	36	45	2010
00093	5	5	20	36	45	2010
00094	5	5	20	36	45	2010
00095	5	5	20	36	45	2010
00097	3	3	20	36	45	2010
00098	3	3	20	36	45	2010
00099	5	5	20	36	45	2010
00102	3	3	20	36	45	2010
00110	5	5	20	36	45	2010
00111	5	5	20	36	45	2010
00112	5	5	20	36	45	2012
00113	5	5	05	09	13	2012
00165	3	3	20	36	45	2010

77 Total Structures

ROUTINE INSPECTION STATUS

77 Bridges currently in Harrison County's Inventory.
 77 Bridges inspected within 24 months of prior inspection date 100%
 0 Bridges inspected within 25 months of prior inspection date 0%
 0 Bridges NOT inspected within 25 months of prior inspection date 0%

Bridge No.	New Inspection Date	Old Inspection Date	Months Between	Required Months Between Inspections	Number of Months Late
00001	08/20/2012	09/08/2010	23	24	-1
00002	08/29/2012	09/08/2010	23	24	-1
00003	08/21/2012	09/03/2010	23	24	-1
00006	08/29/2012	09/09/2010	23	24	-1
00010	08/29/2012	09/09/2010	23	24	-1
00011	08/23/2012	09/04/2010	23	24	-1
00012	08/29/2012	09/08/2010	23	24	-1
00013	08/29/2012	09/09/2010	23	24	-1
00014	08/30/2012	09/04/2010	23	24	-1
00015	08/30/2012	09/04/2010	23	24	-1
00016	08/29/2012	09/09/2010	23	24	-1
00017	08/27/2012	09/09/2010	23	24	-1
00018	08/30/2012	09/04/2010	23	24	-1
00021	08/29/2012	09/08/2010	23	24	-1
00023	08/20/2012	09/10/2010	23	24	-1
00024	08/20/2012	09/10/2010	23	24	-1
00025	08/30/2012	09/01/2010	23	24	-1
00027	08/23/2012	09/01/2010	23	24	-1
00029	08/30/2012	09/04/2010	23	24	-1
00030	08/22/2012	09/01/2010	23	24	-1
00031	08/23/2012	09/01/2010	23	24	-1
00032	08/20/2012	09/10/2010	23	24	-1
00034	08/22/2012	09/02/2010	23	24	-1
00035	08/22/2012	09/02/2010	23	24	-1
00036	08/22/2012	09/02/2010	23	24	-1
00037	08/30/2012	09/01/2010	23	24	-1
00038	08/21/2012	09/03/2010	23	24	-1
00039	08/23/2012	09/01/2010	23	24	-1
00040	08/23/2012	09/01/2010	23	24	-1
00041	08/22/2012	09/02/2010	23	24	-1
00042	08/22/2012	09/02/2010	23	24	-1
00043	08/20/2012	09/02/2010	23	24	-1
00046	08/22/2012	09/02/2010	23	24	-1
00050	08/21/2012	09/03/2010	23	24	-1
00051	08/21/2012	09/03/2010	23	24	-1
00055	08/21/2012	09/17/2010	23	24	-1
00056	08/21/2012	09/03/2010	23	24	-1
00057	08/21/2012	09/03/2010	23	24	-1
00058	08/21/2012	09/10/2010	23	24	-1
00061	08/23/2012	09/01/2010	23	24	-1

ROUTINE INSPECTION STATUS

Bridge No.	New Inspection Date	Old Inspection Date	Months Between	Required Months Between Inspections	Number of Months Late
00062	08/22/2012	09/03/2010	23	24	-1
00063	08/23/2012	09/04/2010	23	24	-1
00064	08/22/2012	09/03/2010	23	24	-1
00065	08/29/2012	09/09/2010	23	24	-1
00066	08/29/2012	09/09/2010	23	24	-1
00067	08/29/2012	09/09/2010	23	24	-1
00068	08/23/2012	09/04/2010	23	24	-1
00070	08/21/2012	09/03/2010	23	24	-1
00071	08/21/2012	09/03/2010	23	24	-1
00072	08/23/2012	09/01/2010	23	24	-1
00073	08/21/2012	09/03/2010	23	24	-1
00074	08/29/2012	09/09/2010	23	24	-1
00075	08/23/2012	09/04/2010	23	24	-1
00076	08/23/2012	09/04/2010	23	24	-1
00081	08/20/2012	09/08/2010	23	24	-1
00082	08/22/2012	09/02/2010	23	24	-1
00083	08/20/2012	09/08/2010	23	24	-1
00084	08/21/2012	09/10/2010	23	24	-1
00085	08/20/2012	09/08/2010	23	24	-1
00086	08/22/2012	09/02/2010	23	24	-1
00087	08/22/2012	09/02/2010	23	24	-1
00089	08/20/2012	09/08/2010	23	24	-1
00090	08/20/2012	09/08/2010	23	24	-1
00091	08/29/2012	09/09/2010	23	24	-1
00092	08/23/2012	09/04/2010	23	24	-1
00093	08/20/2012	09/08/2010	23	24	-1
00094	08/20/2012	09/08/2010	23	24	-1
00095	08/20/2012	09/08/2010	23	24	-1
00097	08/22/2012	09/02/2010	23	24	-1
00098	08/22/2012	09/02/2010	23	24	-1
00099	08/22/2012	09/02/2010	23	24	-1
00102	08/23/2012	09/01/2010	23	24	-1
00110	08/21/2012	09/03/2010	23	24	-1
00111	08/22/2012	09/03/2010	23	24	-1
00112	08/30/2012	N/A	N/A	24	N/A
00113	08/30/2012	N/A	N/A	24	N/A
00165	08/29/2012	09/09/2010	23	24	-1

77 Total Structures

INSPECTION STATUS OF FRACTURE CRITICAL BRIDGE INSPECTION

- 77 Bridges currently in Harrison County's Inventory.
- 3 Bridges coded "YES" in Item 92A (Non-Redundant)
- 1 Bridges inspected within Required Re-inspection Timeframe 1.3%
- 1 Bridges inspected BEYOND Required Re-inspection Timeframe 1.3%

Bridge No.	New Inspection Date	Old Inspection Date	Item #92A Coding	Months Between Inspection	Required Months Between Inspections	Number of Months Late	Status
00055	12/05/2012	09/17/2010	Y24	27	24	3	
00084	09/17/2012	09/17/2010	Y24	24	24	0	
00112	12/05/2012	N/A	Y24	N/A	24	N/A	

3 Total Structures

INSPECTION STATUS OF UNDERWATER/IN-WATER INSPECTION

- 77 Bridges currently in Harrison County's Inventory.
- 1 Bridges coded "YES" in Item 92B
- 1 Bridges inspected within Required Re-inspection Timeframe 1.3%
- 0 Bridges inspected BEYOND Required Re-inspection Timeframe 0%

Bridge No.	New Inspection Date	Old Inspection Date	Item #92B Coding	Months Between Inspection	Required Months Between Inspections	Number of Months Late	Status
00055	11/04/2010	N/A	Y60	N/A	60	N/A	

1 Total Structures

INSPECTION STATUS OF SPECIAL BRIDGE INSPECTION

- 77 Bridges currently in Harrison County's Inventory.
- 0 Bridges coded "YES" in Item 92C
- 0 Bridges inspected within Required Re-inspection Timeframe 0%
- 0 Bridges inspected BEYOND Required Re-inspection Timeframe 0%

Bridge No.	New Inspection Date	Old Inspection Date	Item #92C Coding	Months Between Inspection	Required Months Between Inspections	Number of Months Late	Status
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0 Total Structures

WORK PLAN FOR INSPECTIONS AND RE-INSPECTIONS

77 Bridges currently in Harrison County's Inventory.

77	Bridges with Biennial Re-Inspection Frequencies of 24 Months	100%
0	Bridges with Biennial Re-Inspection Frequencies of Less than 24 Months	0%

All Biennial Bridge Re-Inspections with 24 month Frequencies will be done by a hired Consultant. The Consultant will submit all required data changes to INDOT for submission to the FHWA.

3 Bridges Require Item #92A Inspections: Non-Redundant Bridges

3	Bridges with 92A Re-Inspection Frequencies of 24 Months	100%
0	Bridges with 92A Re-Inspection Frequencies of Less than 24 Months	0%

All 92A Bridge Re-Inspections with 24 month Frequencies will be done by a hired Consultant. The Consultant will submit all required data changes to INDOT for submission to the FHWA.

1 Bridges Require Item #92B Inspections: Underwater Inspections

1	Bridges with 92B Re-Inspection Frequencies of 60 Months	100%
0	Bridges with 92B Re-Inspection Frequencies of Less than 60 Months	0%

All 92B Bridge Re-Inspections with 24 month Frequencies will be done by a hired Consultant. The Consultant will submit all required data changes to INDOT for submission to the FHWA.

0 Bridges Require Item #92C Inspections: Special Bridge Detail Inspections

0	Bridges with 92C Re-Inspection Frequencies of 24 Months	N/A
0	Bridges with 92C Re-Inspection Frequencies of Less than 24 Months	N/A

All 92C Bridge Re-Inspections with 24 month Frequencies will be done by a hired Consultant. The Consultant will submit all required data changes to INDOT for submission to the FHWA.

The County or assigned representative will monitor all of the bridges that have been recommended to be monitored in this Report by the Consultant.

The County will notify the Consultant in a timely manner, of any changes of NBI data, between Phase-I and Phase-II Inspections, so the Consultant can prepare the proper Reports and submit the data changes to INDOT.

MASTER LIST - LIST OF BRIDGES REQUIRING IN-DEPTH INSPECTIONS

Bridge No.	Fracture Critical / Non-Redundant Inspection	Underwater Inspection	Special Inspection
00055	Y24	Y60	N
00084	Y24	N	N
00112	Y24	N	N

Total Bridges Requiring In-Depth Inspection: 3

***BRIDGE INVENTORY
REPORT***

FOR

***HARRISON COUNTY
INDIANA***

Prepared For:

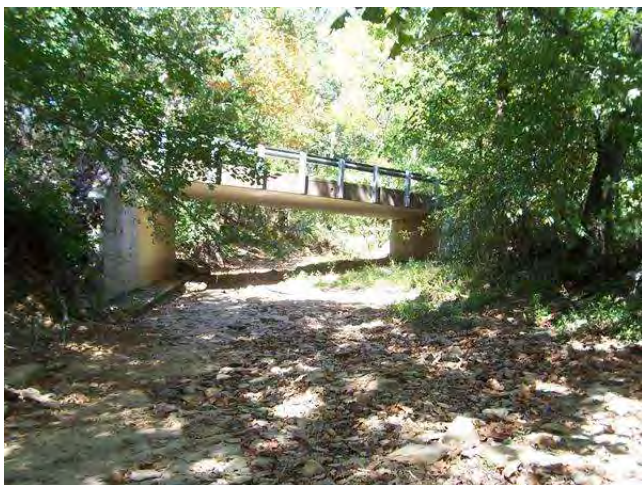
***Board of County Commissioners
Harrison County***



LOOKING WEST ON ROAD



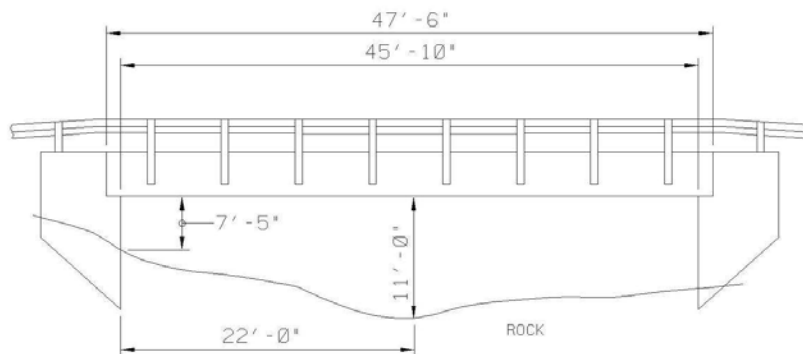
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00001
 NADORFF ROAD over CORN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100006
Facility Carried: NADORFF ROAD

Bridge Number: 31-00001
Feature(s) Intersected: CORN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100006	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00001	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142003260	5B. Road Number On:	00326
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	CORN CREEK	99. Border Bridge Number:	
7. Facility Carried:	NADORFF ROAD	9C. Map Location:	P-5
9A. Location:	00.60 W OF COEN TUSH RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 02' 38.70"
16. Latitude:	38° 21' 10.53"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1982	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000260 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000430 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	006 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0045.8 ft.	49. Structure Length:	00047.5 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	025.9 ft.	52. Deck Width (O-O):	026.3 ft.
32. Approach Roadway Width:	020.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	35 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	025.9 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100006
 Facility Carried: NADORFF ROAD

Bridge Number: 31-00001
 Feature(s) Intersected: CORN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - LARGE SURFACE SPALLS	.....CONCRETE SLAB	6
58.01 Wearing Surface:.....	SATIS - LOOSE STONE CHIPS AT EDGE	.....CONCRETE	6
59. Superstructure:.....	GOOD - SMALL SPALLS BEAM BOTTOM	.....PCBB	7
60. Substructure:.....	GOOD - WEST FOOTING EXPOSED	.....CONCRETE	7
61. Channel:.....	GOOD - BRUSHY, SMALL TREES	.....NATURAL	7
62. Culv/Ret:.....	N/A	.....N/A	N
65. Approach Roadway:.....	GOOD - SETTLED, PATCHED	.....BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS	Unofficial	Official
67. Structural:.....	GOOD - DECK SPALLS, EXPOSED FOOTING	7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	ADEQUATE		7
72. Roadway Alignment:.....	IN CREST VC		5
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....			G (STEEL)
113A. Scour Critical Bridge:.....			5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100006
Facility Carried: NADORFF ROAD

Bridge Number: 31-00001
Feature(s) Intersected: CORN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000430 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL.

596. Total Project Cost:..... \$000013 x 1000

INSPECTION DATA

90. Date:..... 08/20/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	04 Years	SUFFICIENCY RATING	94.9	94.9
	B: Deck:.....	10 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	35 Years			
	F: Approach:.....	05 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDINAL CRACKS ON SURFACE ABOVE BEAM JOINTS. SHOULDER EROSION BEHIND SOUTHWEST WINGWALL. SCOUR AT WEST ABUTMENT FOOTING. BEAMS 3, 5, AND, 6 HAVE SHALLOW SPALLS AT SOUTH EDGE OF BEAM.

THINK SAFETY FIRST



LOOKING EAST ON ROAD



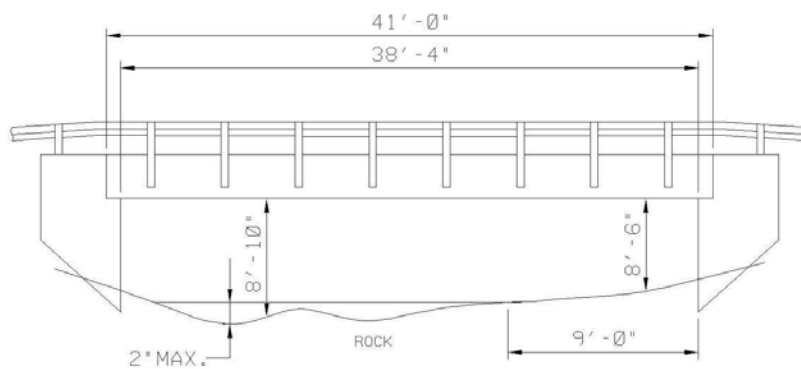
LOOKING WEST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00002
 CROSS CREEK DR over CORN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100084
Facility Carried: CROSS CREEK DR

Bridge Number: 31-00002
Feature(s) Intersected: CORN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100084	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00002	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000000	5B. Road Number On:	00000
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	CORN CREEK	99. Border Bridge Number:	
7. Facility Carried:	CROSS CREEK DR	9C. Map Location:	O-6
9A. Location:	00.10 S OF NADORFF RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 02' 57.34"
16. Latitude:	38° 20' 39.48"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	2 (CONCRETE PRECAST)	108B. Membrane:	NONE
108A. Wearing Surface:	6 (BITUMINOUS)	108D. Thickness of Asphalt:	04.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1992	106A. Reconstructed:	2004
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000060 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000100 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	01 % Trucks	19. Bypass Detour Length:	199 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0038.3 ft.	49. Structure Length:	00041.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	023.7 ft.	52. Deck Width (O-O):	024.2 ft.
32. Approach Roadway Width:	021.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	023.7 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100084	Bridge Number: 31-00002
Facility Carried: CROSS CREEK DR	Feature(s) Intersected: CORN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - GRAVEL AT EDGES	PRESTRESSED CONCRETE BOX BEAMS	7
58.01 Wearing Surface:.....	GOOD - LOOSE STONE CHIPS AT EDGES	BITUMINOUS	7
59. Superstructure:.....	GOOD - SMALL SPALLS AT BOTTOM EDGES	PCBB	7
60. Substructure:.....	SATIS - FOOTINGS EXPOSED/UNDERCUT	CONCRETE	6
61. Channel:.....	SATIS - SCOURING AT FOOTINGS	NATURAL AND RIPRAP	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - NARROW SHOULDER	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	SATIS - BEAM SPALLS, THRU BOLT MISSING, FOOTINGS SCoured		6	6
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	N/A		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	IN CREST VC, HORIZONTAL CURVE EACH WAY			6
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100084
Facility Carried: CROSS CREEK DR

Bridge Number: 31-00002
Feature(s) Intersected: CORN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000100 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING A CONNECTION THROUGH BOLT FOR BEAMS, CURVE WARNING SIGNS, BEM'S AND CURRENT STANDARD BRIDGE AND APPROACH RAIL, AND UNDERPINNING BOTH ABUTMENT FOOTINGS WITH UNDERPINNING KEYED INTO ROCK.

596. Total Project Cost:..... \$000015 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING 90.4	90.5
	B: Deck:.....	30 Years	Functionally Obsolete: N	N
	C: Joints:.....	NA Years	Structurally Deficient: N	N
	D: Superstructure:.....	30 Years		
	E: Substructure:.....	25 Years		
	F: Approach:.....	15 Years		
	G: Channel:.....	25 Years		
	H: Culvert:.....	NA Years		

REMARKS

3 CMP'S (APPROXIMATELY 6' SPAN X 5' HIGH) UNDER EAST APPROACH APPROXIMATELY 19' FROM BRIDGE, MONITOR FOOTINGS AND ROCK CHANNEL BOTTOM FOR FURTHER UNDERMINING.

THINK SAFETY FIRST



LOOKING EAST ON ROAD



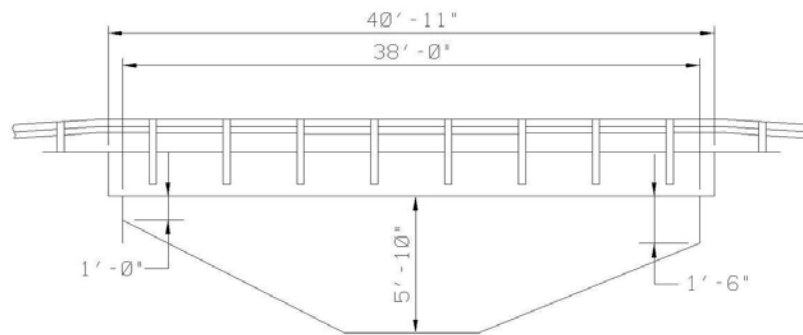
LOOKING WEST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00003
 EAST OLD GOSHEN RD over NO NAME CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100076
Facility Carried: EAST OLD GOSHEN RD

Bridge Number: 31-00003
Feature(s) Intersected: NO NAME CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100076
8L. County Bridge Number:..... 00003
8X. Structure Name:.....
5A. Inventory Route On:..... 142000100
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... NO NAME CREEK
7. Facility Carried:..... EAST OLD GOSHEN RD
9A. Location:..... 00.10 E OF MERK ROAD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 04' 05.20"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00010
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... P-25
11B. Mile Point (under):.....
17. Longitude:..... 086° 03' 26.34"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1995
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000150 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000250 VPD
109. Average Truck Traffic:..... 04 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 002 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0038.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.3 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.3 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00041.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.8 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100076	Bridge Number: 31-00003
Facility Carried: EAST OLD GOSHEN RD	Feature(s) Intersected: NO NAME CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	VERY GOOD - HAIRLINE CRACKS	CONCRETE	8
58.01 Wearing Surface:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE	8
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCBB	8
60. Substructure:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE	8
61. Channel:.....	GOOD - CHANNEL OVERGROWN	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKING	CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:.....	8	8
68. Geometry:.....	5	5
69. Underclearance:.....	N	N
71. Waterway Adequacy:.....		7
72. Roadway Alignment:.....		8
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:.....		Q (STEEL)
113A. Scour Critical Bridge:.....		5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100076
Facility Carried: EAST OLD GOSHEN RD

Bridge Number: 31-00003
Feature(s) Intersected: NO NAME CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000250 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING BEM'S AND CLEANING LOOSE STONES FROM DECK AND END JOINTS.

596. Total Project Cost:..... \$000001 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	94.5	94.5
	B: Deck:.....	25 Years	Functionally Obsolete:	N	N
	C: Joints:.....	15 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	45 Years			
	E: Substructure:.....	45 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	50 Years			
	H: Culvert:.....	NA Years			

REMARKS

END JOINTS FILLED WITH DIRT AND STONE. MULTIPLE LONG HAIRLINE CRACKS ON SURFACE. SLIGHT DAMAGE TO TOP OF NORTH GUARDRAIL NEAR WEST END OF BRIDGE. SOUTHEAST END TREATMENT DAMAGED. CHANNEL OVERGROWN WITH SMALL TREES UPSTREAM AND DOWNSTREAM.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



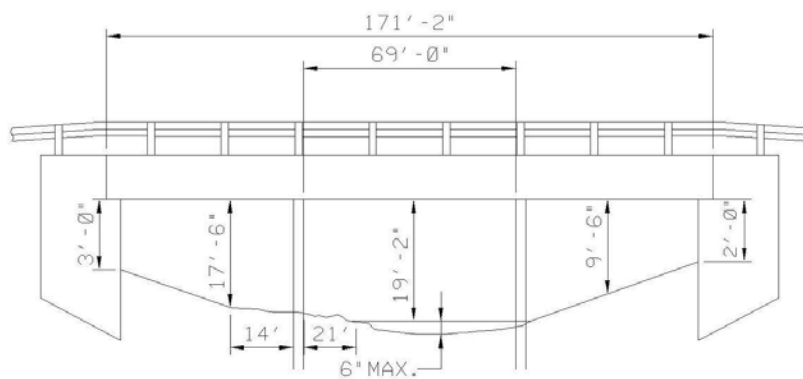
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00006
 MOTTS RD over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100007
Facility Carried: MOTTS RD

Bridge Number: 31-00006
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100007	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00006	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142002720	5B. Road Number On:	00272
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	MOTTS RD	9C. Map Location:	O-9
9A. Location:	00.10 E OF RAGAINS RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 03' 45.10"
16. Latitude:	38° 17' 40.62"		

STRUCTURE DATA

43A. Structure Type - Main Span:	605 (CPCBB - 605)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1986	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	1993
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000270 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000440 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	006 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0069.0 ft.	49. Structure Length:	00171.2 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.1 ft.	52. Deck Width (O-O):	026.9 ft.
32. Approach Roadway Width:	020.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	10 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.1 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100007
 Facility Carried: MOTTS RD

Bridge Number: 31-00006
 Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - LT WEAR, CRACKS	.....CONCRETE	7
58.01 Wearing Surface:.....GOOD - COLLECTS LEAVES	.....CONCRETE	7
59. Superstructure:.....VERY GOOD - NO PROBLEMS NOTED	.....CONTINUOUS PCBB	8
60. Substructure:.....VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE	8
61. Channel:.....GOOD - DEBRIS AT PIER	.....NATURAL AND RIPRAP	7
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....GOOD - CRACKS	.....CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....VERY GOOD - NO PROBLEMS NOTED	8	8
68. Geometry:.....BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:.....N/A	N	N
71. Waterway Adequacy:.....ADEQUATE		7
72. Roadway Alignment:.....IN CREST VC, HORIZONTAL CURVE E		6
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:..... B (ALUMINUM)		
113A. Scour Critical Bridge:..... 8 (STABLE)		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100007
Facility Carried: MOTTS RD

Bridge Number: 31-00006
Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000440 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND REMOVING DEBRIS FROM PIERS, CLEANING END JOINTS AND UTILITY CONDUIT, REMOVING SMALL TREES FROM WATERWAY OPENINGS, AND INSTALLING BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000005 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	16 Years	SUFFICIENCY RATING	86.9	94.4
	B: Deck:.....	20 Years	Functionally Obsolete:	N	N
	C: Joints:.....	7 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	30 Years			
	F: Approach:.....	11 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

UTILITY CONDUIT TRAPS DEBRIS AND IMPEDES DRAINAGE ALONG SOUTH EDGE OF DECK. SMALL SPALLS AND HAIRLINE CRACKS AT COPINGS OF DECK. HAIRLINE CRACKS WITH EFFLORESCENCE AT DIAPHRAGMS OVER PIERS AND AT COPINGS. DEBRIS CAUGHT ON TOP OF PIER. SMALL TREES OVERGROWING EDGES OF CHANNEL UNDER BRIDGE. BITUMINOUS SETTLING AT ENDS OF CONCRETE APPROACHES.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



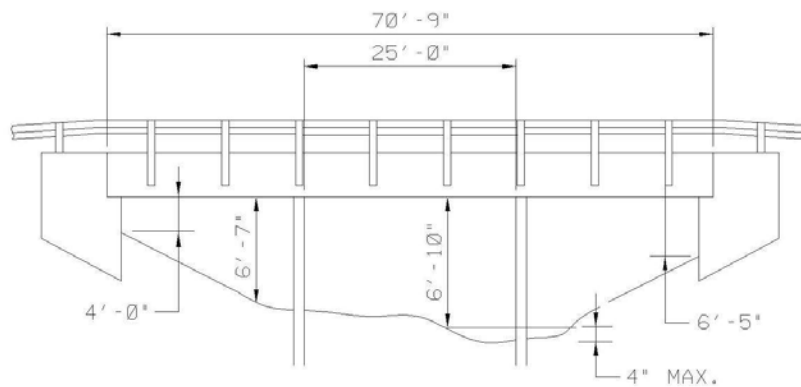
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00010
 COOKS MILL RD over CRANDALL BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100077
Facility Carried: COOKS MILL RD

Bridge Number: 31-00010
Feature(s) Intersected: CRANDALL BRANCH

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100077	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00010	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142002650	5B. Road Number On:	00265
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	15634 (CRANDALL)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	CRANDALL BRANCH	99. Border Bridge Number:	
7. Facility Carried:	COOKS MILL RD	9C. Map Location:	O-10
9A. Location:	00.10 SE OF SR 335	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 03' 59.80"
16. Latitude:	38° 17' 08.78"		

STRUCTURE DATA

43A. Structure Type - Main Span:	201 A (CRCS - 201A)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1995	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000160 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000260 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	001 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0025.0 ft.	49. Structure Length:	00070.7 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.1 ft.	52. Deck Width (O-O):	024.5 ft.
32. Approach Roadway Width:	021.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	30 Degree(s)	35. Structure Flared:	1 (YES FLARED)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.1 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100077	Bridge Number: 31-00010
Facility Carried: COOKS MILL RD	Feature(s) Intersected: CRANDALL BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - MINOR POPOUTS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - NO PROBLEMS NOTED	CONCRETE	7
59. Superstructure:.....	GOOD - DELAMS. @ W COPING	REINF CONC SLAB	7
60. Substructure:.....	VERY GOOD - HAIRLINE CRACKS	CONCRETE	8
61. Channel:.....	GOOD - BRUSHY, AGGREDATION	NATURAL	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED @ BRIDGE ENDS	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - DELAMS UNDER CENTER AND NORTH SPAN W. COPING	7	7
68. Geometry:..... BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		6
72. Roadway Alignment:..... "T" INTERSECTION N, HORIZONTAL CURVE S, IN SAG VC		4
36A. Traffic Safety Features (Bridge Railings):..... 1 (MEETS CURRENT SAFETY STANDARDS)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 1 (MEETS CURRENT SAFETY STANDARDS)		
36D. Traffic Safety Features (Approach Guardrail Ends):..... 1 (MEETS CURRENT SAFETY STANDARDS)		
36X. Bridge Rail Type:..... Q (STEEL)		
113A. Scour Critical Bridge:..... 8 (STABLE)		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100077
Facility Carried: COOKS MILL RD

Bridge Number: 31-00010
Feature(s) Intersected: CRANDALL BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000260 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING BEM'S AND CURVE WARNING SIGNS AND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL TRANSITIONS.

596. Total Project Cost:..... \$000003 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:..... 21 Years	SUFFICIENCY RATING	92.5	92.5
	B: Deck:..... 35 Years	Functionally Obsolete:	N	N
	C: Joints:..... NA Years	Structurally Deficient:	N	N
	D: Superstructure:..... 33 Years			
	E: Substructure:..... 45 Years			
	F: Approach:..... 13 Years			
	G: Channel:..... 30 Years			
	H: Culvert:..... NA Years			

REMARKS

HAIRLINE CRACKS OVER PIERS AT COPINGS ONLY, DELAMINATIONS UNDER WEST COPING OF NORTH AND CENTER SPANS JUST INSIDE OF DRIP BEAD. TWO VERTICAL HAIRLINE CRACKS FULL HEIGHT AT NORTH AND SOUTH ABUTMENTS. DEBRIS AND FALLEN TREES IN CHANNEL WITH MODERATE AGGREGATION. MINOR DAMAGE TO SW GUARDRAIL END TREATMENT.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



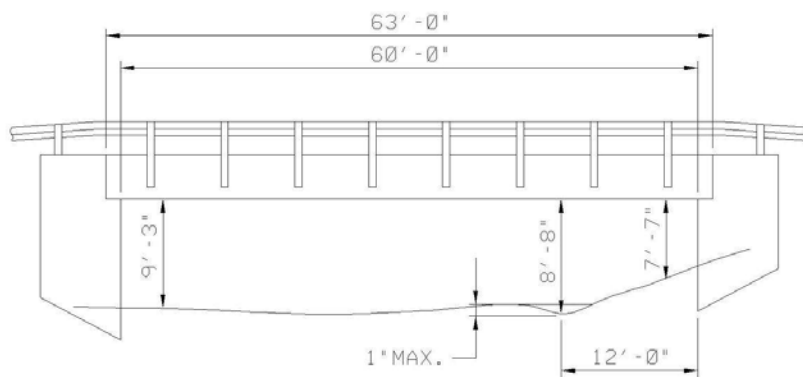
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00011
 TANDY RD over WOERTZ CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100008
Facility Carried: TANDY RD

Bridge Number: 31-00011
Feature(s) Intersected: WOERTZ CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100008	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00011	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142002240	5B. Road Number On:	00224
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	WOERTZ CREEK	99. Border Bridge Number:	
7. Facility Carried:	TANDY RD	9C. Map Location:	T-13
9A. Location:	00.10 N OF SR 62	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	085° 58' 39.00"
16. Latitude:	38° 14' 31.49"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1989	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	2000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000180 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000300 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	03 % Trucks	19. Bypass Detour Length:	003 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0060.0 ft.	49. Structure Length:	00063.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.2 ft.	52. Deck Width (O-O):	024.2 ft.
32. Approach Roadway Width:	023.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	10 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.2 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100008
 Facility Carried: TANDY RD

Bridge Number: 31-00011
 Feature(s) Intersected: WOERTZ CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - HAIRLINE CRACKS, POPOUTS	.....CONCRETE	7
58.01 Wearing Surface:.....GOOD - SHRINKAGE CRACKS	.....CONCRETE	7
59. Superstructure:.....SATIS - CRACKING E. COPING	.....PCBB	6
60. Substructure:.....GOOD - HAIRLINE CRACKS, SEEPAGE	.....CONCRETE	7
61. Channel:.....GOOD - IRREGULAR BANKS	.....NATURAL	7
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....GOOD - NO PROBLEMS NOTED	.....BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....SATIS - 1/8" CRACK @ EDGE OF EAST COPING BEAM	6	7
68. Geometry:.....BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		8
72. Roadway Alignment:.....IN CREST VC, INTERSECTION N & S, HORIZONTAL CURVE		7
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100008
Facility Carried: TANDY RD

Bridge Number: 31-00011
Feature(s) Intersected: WOERTZ CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000300 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND SEALING CRACK IN EAST COPING BEAM, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S

596. Total Project Cost:..... \$000014 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:..... 6 Years	SUFFICIENCY RATING	91.5	91.5
	B: Deck:..... 35 Years	Functionally Obsolete:	N	N
	C: Joints:..... NA Years	Structurally Deficient:	N	N
	D: Superstructure:..... 35 Years			
	E: Substructure:..... 35 Years			
	F: Approach:..... 13 Years			
	G: Channel:..... 35 Years			
	H: Culvert:..... NA Years			

REMARKS

1/8" CRACK ON EXTERIOR SIDE OF BEAM #6 AT EAST COPING. SHRINKAGE CRACKS AND POPOUTS ON SURFACE OF DECK. 5 VERTICAL HAIRLINE CRACKS FULL HEIGHT AT SOUTH ABUTMENT, 3 AT NORTH ABUTMENT. LIGHT SHOULDER EROSION AT SOUTHEAST AND SOUTHWEST CORNERS OF BRIDGE. GUARDRAIL DAMAGED TO SOUTHEAST, NORTHEAST, AND NORTHWEST.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



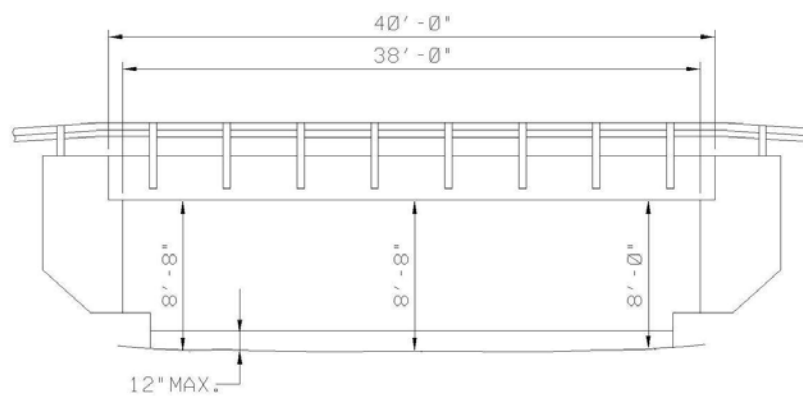
LOOKING NORTH ON ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00012
NADORFF RD over CORN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100009
Facility Carried: NADORFF RD

Bridge Number: 31-00012
Feature(s) Intersected: CORN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100009	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00012	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142003260	5B. Road Number On:	00326
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	CORN CREEK	99. Border Bridge Number:	
7. Facility Carried:	NADORFF RD	9C. Map Location:	P-5
9A. Location:	00.30 NE OF CROSS CREEK RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 02' 49.59"
16. Latitude:	38° 20' 58.32"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1981	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	1989
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000260 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000400 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	006 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0038.0 ft.	49. Structure Length:	00040.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	023.8 ft.	52. Deck Width (O-O):	024.3 ft.
32. Approach Roadway Width:	019.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	40 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	023.8 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100009
 Facility Carried: NADORFF RD

Bridge Number: 31-00012
 Feature(s) Intersected: CORN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - CRACKS, MODERATE WEAR	.....CONCRETE	6
58.01 Wearing Surface:.....	SATIS - SURF. WEAR, LONG. HL CRACKS	.....CONCRETE	6
59. Superstructure:.....	GOOD - SMALL SPALLS	.....PCBB	7
60. Substructure:.....	GOOD - BOTTOM FOOTING EXPOSED	.....CONCRETE	7
61. Channel:.....	SATIS - BRUSHY, STEEP BANKS	.....NATURAL	6
62. Culv/Ret:.....	N/A	.....N/A	N
65. Approach Roadway:.....	GOOD - HIGH SHOULDER	.....BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - FOOTINGS EXPOSED, SMALL BEAM SPALLS	.....	7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE	.....	5	5
69. Underclearance:.....	N/A	.....	N	N
71. Waterway Adequacy:.....	ADEQUATE	.....		7
72. Roadway Alignment:.....	IN SLIGHT CREST VC, REVERSE CURVE W	.....		5
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100009
Facility Carried: NADORFF RD

Bridge Number: 31-00012
Feature(s) Intersected: CORN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000400 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000014 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	05 Years	SUFFICIENCY RATING	90.4	90.4
	B: Deck:.....	20 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	25 Years			
	E: Substructure:.....	30 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	25 Years			
	H: Culvert:.....	NA Years			

REMARKS

MODERATE SURFACE WEAR WITH LONGITUDNAL HAIRLINE CRACKS ON DECK. SMALL SPALLS ON BEAMS 4, 5, 7, AND, 8. BOTH FOOTINGS VISIBLE, POURED ON OR KEYED INTO ROCK WITH NO UNDERCUTTING. ONE VERTICAL FULL HEIGHT CRACK IN SOUTH AND NORTH ABUTMENTS. AGGREDATION IN CHANNEL. APPROACHES CRACKING AND SETTLING AT BRIDGE ENDS. EROSION AT NORTHWEST CORNER OF BRIDGE REPAIRED.

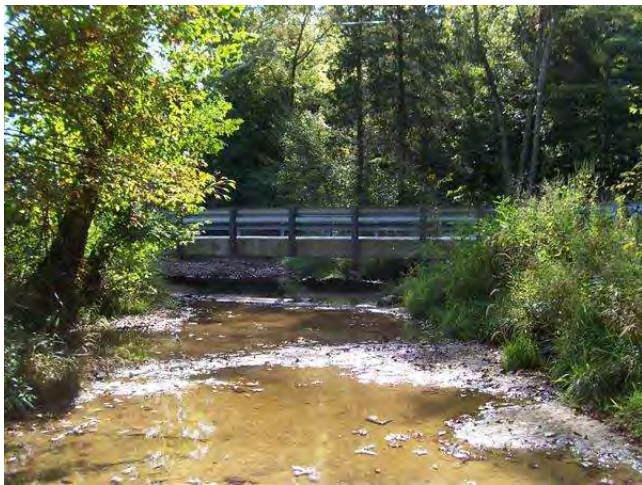
THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



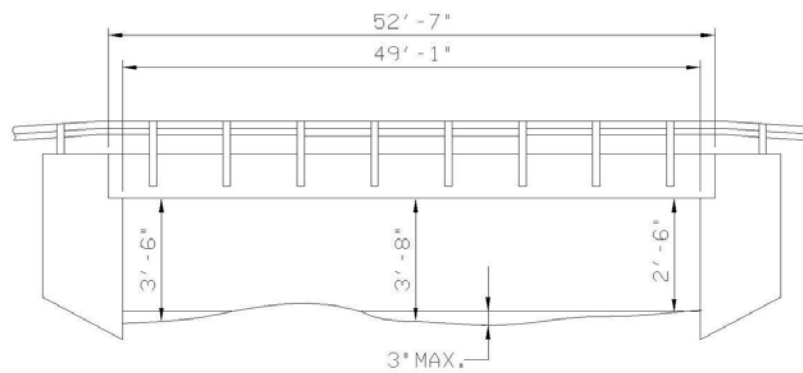
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00013
 GRAVEL CREEK RD over RACCOON CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100072
Facility Carried: GRAVEL CREEK RD

Bridge Number: 31-00013
Feature(s) Intersected: RACCOON CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100072	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00013	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142002490	5B. Road Number On:	00249
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	RACCOON CREEK	99. Border Bridge Number:	
7. Facility Carried:	GRAVEL CREEK RD	9C. Map Location:	O-11
9A. Location:	00.30 PFRIMMER CHAPEL RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 03' 25.85"
16. Latitude:	38° 15' 55.91"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	2 (CONCRETE PRECAST)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2004	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000050 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000080 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	00 % Trucks	19. Bypass Detour Length:	199 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0049.1 ft.	49. Structure Length:	00052.6 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	020.1 ft.	52. Deck Width (O-O):	020.2 ft.
32. Approach Roadway Width:	012.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	29 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	020.1 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100072	Bridge Number: 31-00013
Facility Carried: GRAVEL CREEK RD	Feature(s) Intersected: RACCOON CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - DEBRIS ON EDGES	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LOOSE STONE @ EDGES	TOP OF BEAMS	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCBB	8
60. Substructure:.....	VERY GOOD - HAIRLINE CRACKS	CONCRETE ABUTMENT	8
61. Channel:.....	GOOD - AGGREDATION	NATURAL	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	FAIR - SETTLED, POTHOLES	GRAVEL	5

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	VERY GOOD - HAIRLINE CRACKS IN SUBSTRUCTURE		8	8
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	INADEQUATE			5
72. Roadway Alignment:.....	ON GRADE, SHARP HORIZONTAL CURVE EACH END			3
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100072
Facility Carried: GRAVEL CREEK RD

Bridge Number: 31-00013
Feature(s) Intersected: RACCOON CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000080 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, NARROW BRIDGE SIGNS AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL.

596. Total Project Cost:..... \$000013 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	85.5	85.6
	B: Deck:.....	25 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	50 Years			
	F: Approach:.....	9 Years			
	G: Channel:.....	19 Years			
	H: Culvert:.....	NA Years			

REMARKS

CONSIDERATION SHOULD BE GIVEN TO PLACING A PROTECTIVE WEARING SURFACE OVER BEAMS. BEAMS JOINTS ARE WEARING AND LOOSE STONE CHIPS AT EDGE OF DECK. WATER SEEPAGE BETWEEN BEAMS. TWO VERTICAL FULL HEIGHT HAIRLINE CRACKS WITH EFFLORESCENCE AT NORTH AND SOUTH ABUTMENTS. STEEP BANKS WITH UNDERCUT TREES ON BANKS. LIGHT TO MODERATE AGGREDATION. SETTLING SHOULDERS BEHIND NORTHEAST WING WALL.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



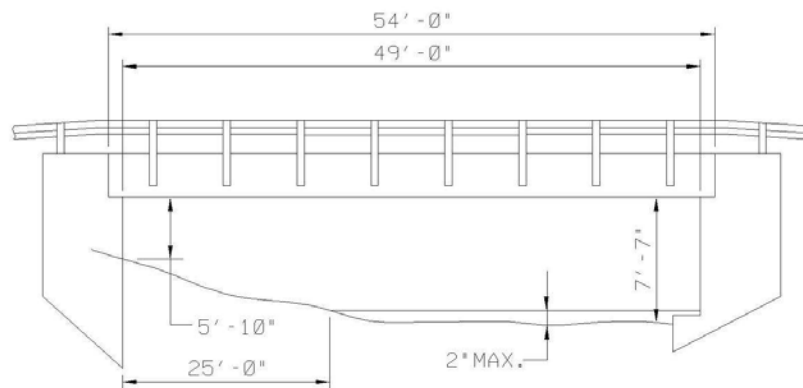
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00014
 BIG INDIAN RD over BRANCH OF INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100010
Facility Carried: BIG INDIAN RD

Bridge Number: 31-00014
Feature(s) Intersected: BRANCH OF INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100010	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00014	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000520	5B. Road Number On:	00052
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	BRANCH OF INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	BIG INDIAN RD	9C. Map Location:	M-13
9A. Location:	00.50 SW OF TEE RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 05' 37.67"
16. Latitude:	38° 14' 35.58"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1987	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000210 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000350 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	01 % Trucks	19. Bypass Detour Length:	007 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0049.0 ft.	49. Structure Length:	00054.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.2 ft.	52. Deck Width (O-O):	024.2 ft.
32. Approach Roadway Width:	020.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	35 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.2 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100010	Bridge Number: 31-00014
Facility Carried: BIG INDIAN RD	Feature(s) Intersected: BRANCH OF INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - CRACKS, WEAR	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - SAND IN JOINTS	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCBB	8
60. Substructure:.....	GOOD - HAIRLINE CRACKS	CONCRETE ABUTMENT	7
61. Channel:.....	SATIS - BRUSHY BANKS	NATURAL AND RIPRAP	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	SATIS - SETTLED @ BRIDGE ENDS	BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - HAIRLINE CRACKS IN ABUTMENTS		7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	IN CREST VC, HORIZONTAL CURVE W			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100010
Facility Carried: BIG INDIAN RD

Bridge Number: 31-00014
Feature(s) Intersected: BRANCH OF INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000350 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND PLACING ADDITIONAL BITUMINOUS WEDGES ON BRIDGE APPROACHES, AND INSTALLING CURVE WARNING SIGNS AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000014 x 1000

INSPECTION DATA

90. Date:..... 08/30/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	10 Years	SUFFICIENCY RATING	91.4	91.4
	B: Deck:.....	20 Years	Functionally Obsolete:	N	N
	C: Joints:.....	10 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	35 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	7 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL HAIRLINE CRACKS IN DECK. 3 VERTICAL FULL HEIGHT HAIRLINE CRACKS AT EAST AND WEST ABUTMENT, 2 SMALL SPALLS WITH EXPOSED REINFORCING AT WEST ABUTMENT. TOP OF FOOTING EXPOSED AT WEST ABUTMENT. UNDERCUT TREES ON CHANNEL BANKS, SMALL TREES GROWING UNDER BRIDGE. SHOULDER EROSION AT NORTHWEST CORNER OF BRIDGE BEHIND WINGWALL. SOUTHWEST APPROACH GUARDRAIL DAMAGED.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



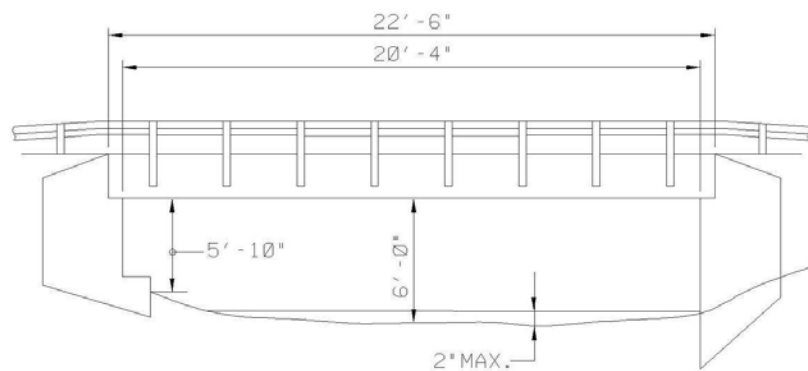
LOOKING NORTH ON ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00015
 BIG INDIAN RD over BRUSH HEAP CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100011
Facility Carried: BIG INDIAN RD

Bridge Number: 31-00015
Feature(s) Intersected: BRUSH HEAP CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100011
8L. County Bridge Number:..... 00015
8X. Structure Name:.....
5A. Inventory Route On:..... 142002290
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BRUSH HEAP CREEK
7. Facility Carried:..... BIG INDIAN RD
9A. Location:..... 03.00 W PFRIMMER CHAPEL RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 14' 24.02"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00229
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... M-13
11B. Mile Point (under):.....
17. Longitude:..... 086° 06' 08.68"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 302 D (SB - 302D)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 8 (TIMBER)
108A. Wearing Surface:..... 7 (TIMBER)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1940
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 01
29A. ADT - Over:..... 001390 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 002280 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:.....
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 007 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0020.1 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 012.9 ft.
32. Approach Roadway Width:..... 011.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 012.9 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00022.5 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 013.5 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):..... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100011
 Facility Carried: BIG INDIAN RD

Bridge Number: 31-00015
 Feature(s) Intersected: BRUSH HEAP CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 3 (ONE LANE BRIDGE FOR 2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - NEW DECK	TIMBER	7
58.01 Wearing Surface:.....	GOOD - NEW DECK	TIMBER	7
59. Superstructure:.....	SER - SEVERE SECTION LOSS, WEB HOLES	STEEL BEAMS	3
60. Substructure:.....	POOR - WW CRKS, ABUT. DEFL.	CONC. ABUTMENTS	4
61. Channel:.....	FAIR - HEAVY BANK EROSION	NATURAL/RIPRAP	5
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	FAIR - SETTLED, POTHOLES	BITUMINOUS	5

LOAD RATING AND POSTING

31. Design Load:..... 0 (UNKNOWN)	64B. Year of Rating:..... 2012
64. Operating Rating:..... 09	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 06	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 03 Tons	
70. Bridge Posting:..... 2 (20.0)	
41. Open, Posted, or Closed:..... P (POSTED FOR LOAD)	
66C. Tons Posted:..... 03	66D. Date Posted/Closed:..... 12/11/2012
Restriction Signage:.....	POSTED FOR ONE LANE

APPRAISAL

	COMMENTS	Unofficial	Official
67. Structural:.....	CRITICAL - SEVERE SECTION LOSS ON BEAMS, ABUT. MOVEMENT	2	5
68. Geometry:.....	BASICALLY INTOLERABLE - VERY NARROW GEOMETRY	2	2
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	INADEQUATE		3
72. Roadway Alignment:.....	CURVE N END, CURVE & HILL S, DRIVE @ S		4
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....			G (STEEL)
113A. Scour Critical Bridge:.....			8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100011
Facility Carried: BIG INDIAN RD

Bridge Number: 31-00015
Feature(s) Intersected: BRUSH HEAP CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:..... 2013

75. Type of Work:..... 31 (REPLACEMENT) 1 (CONTRACT)

Describe Item 75:

THIS STRUCTURE IS IN CRITICAL CONDITION, REPLACEMENT IS RECOMMENDED DUE TO STRUCTURAL DETERIORATION OF THE SUPERSTRUCTURE AND SUBSTRUCTURE AND INADEQUATE GEOMETRY.

76. Improvement Length:..... 000045 ft.
94. Bridge Improvement Costs:..... \$000130 x 1000
95. Roadway Improvement Costs:..... \$000200 x 1000
96. Total Project Cost:..... \$000440 x 1000
97. Year of Cost Estimate:..... 2012
114. Future ADT:..... 002280 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2013

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S AND CURVE WARNING SIGNS.

596. Total Project Cost:..... \$000011 x 1000

INSPECTION DATA

90. Date:..... 08/30/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING	2.0	44.2
	B: Deck:.....	15 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	Y	Y
	D: Superstructure:.....	2 Years			
	E: Substructure:.....	08 Years			
	F: Approach:.....	01 Years			
	G: Channel:.....	15 Years			
	H: Culvert:.....	NA Years			

REMARKS

SOUTH ABUTMENT DEFLECTS 2" IN 24" (H. to V.); 2" CRACK @ SOUTHEAST WINGWALL AND 1-1/4" CRACK @ SOUTHWEST WINGWALL. HEAVY PITTING AND SECTION LOSS THROUGHOUT ON STEEL BEAMS. SEVERE DETERIORATION W/HOLES IN WEBS OF BEAMS DIRECTLY UNDERNEATH THE PATHS OF WHEEL LOADS AT THE SOUTH ABUTMENT. WEST COPING CHANNEL IS TWISTED AND DOES NOT SUPPORT THE DECK.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



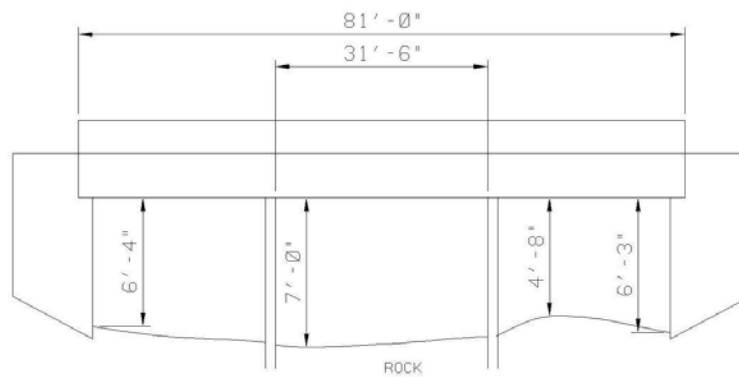
LOOKING SOUTH ON ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00016
 PFRIMMER CHAPEL RD over RACCOON BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100012
Facility Carried: PFRIMMER CHAPEL RD

Bridge Number: 31-00016
Feature(s) Intersected: RACCOON BRANCH

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100012	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00016	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000410	5B. Road Number On:	00041
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	RACCOON BRANCH	99. Border Bridge Number:	
7. Facility Carried:	PFRIMMER CHAPEL RD	9C. Map Location:	P-11
9A. Location:	00.10 S OF GRAVEL CREEK RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 03' 10.82"
16. Latitude:	38° 15' 52.07"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2004	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000530 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000870 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	06 % Trucks	19. Bypass Detour Length:	009 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0031.5 ft.	49. Structure Length:	00081.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	029.2 ft.	52. Deck Width (O-O):	032.2 ft.
32. Approach Roadway Width:	024.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	19 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	029.2 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100012	Bridge Number: 31-00016
Facility Carried: PFRIMMER CHAPEL RD	Feature(s) Intersected: RACCOON BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - HAIRLINE CRACKS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LOOSE SAND AT EDGES	CONCRETE	7
59. Superstructure:.....	VERY GOOD - TWO SPALLS	PCBB	8
60. Substructure:.....	VERY GOOD - HL CRACKS W/EFFL	CONCRETE	8
61. Channel:.....	GOOD - AGGREGATION S	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	VERY GOOD - NEW BITUMINOUS	BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... VERY GOOD - HL CRACKS IN SUBSTRUCTURE	8	8
68. Geometry:..... BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		8
72. Roadway Alignment:..... NEAR TANGENT, IN CREST VC		7
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:..... A (CONCRETE BARRIER RAIL)		
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100012
Facility Carried: PFRIMMER CHAPEL RD

Bridge Number: 31-00016
Feature(s) Intersected: RACCOON BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000870 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND CLEANING SAND AND GRAVEL FROM DECK AND END JOINTS, AND INSTALLING B.E.M'S.

596. Total Project Cost:..... \$000003 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	20 Years	SUFFICIENCY RATING	98.7	98.7
	B: Deck:.....	40 Years	Functionally Obsolete:	N	N
	C: Joints:.....	10 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	50 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL CRACKS IN DECK OVER BEAM JOINTS AND POPOUTS. LOOSE SAND AND GRAVEL AT EDGES OF DECK, LIGHT TO MODERATE SURFACE WEAR. TWO SPALLS ON BEAM #7 CENTER SPAN AT PIER #2. 2 VERTICAL FULL HEIGHT HAIRLINE CRACKS WITH EFFLORESCENCE AT SOUTH AND NORTH ABUTMENT. 1 VERTICAL FULL HEIGHT HAIRLINE CRACK AT PIER #2 AND PIER #3. MODERATE TO HEAVY AGGREDATION, SOUTH SPAN HAS BUILD UP OF SILT. NO STONE SHOULDERS - 3" DROP OFF AT EDGES OF PAVEMENT.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



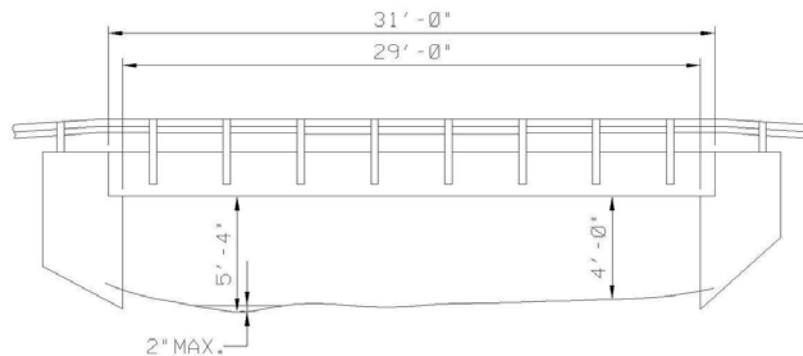
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00017
 ANGEL RUN RD over CRANDALL BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100071
Facility Carried: ANGEL RUN RD

Bridge Number: 31-00017
Feature(s) Intersected: CRANDALL BRANCH

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100071	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00017	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000430	5B. Road Number On:	00043
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	CRANDALL BRANCH	99. Border Bridge Number:	
7. Facility Carried:	ANGEL RUN RD	9C. Map Location:	Q-10
9A. Location:	00.70 SW OF OLD LANESVILLE	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 01' 43.69"
16. Latitude:	38° 16' 47.43"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1991	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000670 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	001100 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	003 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0029.0 ft.	49. Structure Length:	00031.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	023.7 ft.	52. Deck Width (O-O):	024.2 ft.
32. Approach Roadway Width:	019.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	023.7 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100071
 Facility Carried: ANGEL RUN RD

Bridge Number: 31-00017
 Feature(s) Intersected: CRANDALL BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - CRACKED OVER BEAM JOINTS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LONG SURFACE CRACKS	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCBB	8
60. Substructure:.....	GOOD - HL VERT CRACKS @ ABUTS	CONCRETE	7
61. Channel:.....	GOOD - AGGREGATION	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKING @ BRIDGE ENDS	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - HAIRLINE VERTICAL CRACKS AT BOTH ABUTMENTS		7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	IN CREST VC, HORIZONTAL CURVE N, INTERSECTION SW			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100071
Facility Carried: ANGEL RUN RD

Bridge Number: 31-00017
Feature(s) Intersected: CRANDALL BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 001100 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND ADDING STONE TO SHOULDERS, CLEANING SAND FROM DECK AND END JOINTS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000017 x 1000

INSPECTION DATA

90. Date:..... 08/27/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	84.3	84.3
	B: Deck:.....	35 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	35 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	35 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL HAIRLINE CRACKS WITH LIGHT SURFACE WEAR IN DECK. 3 VERTICAL FULL HEIGHT HAIRLINE CRACKS IN SOUTH ABUTMENT WITH 2 CRACKS IN NORTH ABUTMENT. TOP OF FOOTING VISIBLE FOR 8 FEET OF LENGTH - KEYED INTO ROCK. AGGREDATION IN CHANNEL. SHOULDER SETTLING AT NORTHWEST CORNER. MINOR DAMAGE TO APPROACH RAILING.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



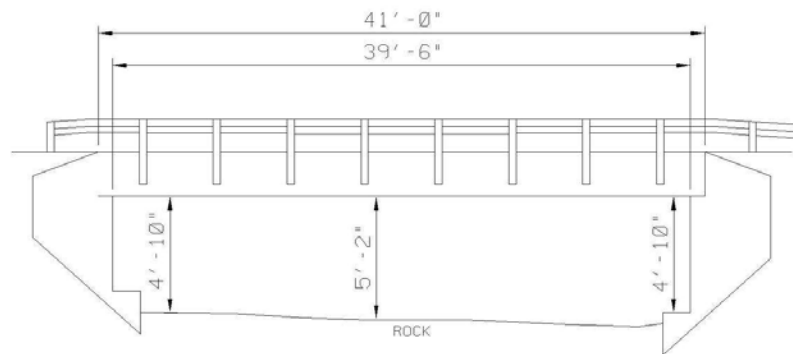
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00018
 OWENS LN over BRUSH HEAP CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100088
Facility Carried: OWENS LN

Bridge Number: 31-00018
Feature(s) Intersected: BRUSH HEAP CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100088	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00018	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142002310	5B. Road Number On:	00231
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	BRUSH HEAP CREEK	99. Border Bridge Number:	
7. Facility Carried:	OWENS LN	9C. Map Location:	M-13
9A. Location:	00.10 SE OF BIG INDIAN RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 05' 54.48"
16. Latitude:	38° 14' 31.03"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	2 (CONCRETE PRECAST)	108B. Membrane:	NONE
108A. Wearing Surface:	6 (BITUMINOUS)	108D. Thickness of Asphalt:	02.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2005	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000210 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000350 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	01 % Trucks	19. Bypass Detour Length:	005 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0039.5 ft.	49. Structure Length:	00041.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	023.7 ft.	52. Deck Width (O-O):	024.3 ft.
32. Approach Roadway Width:	020.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	023.7 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100088
 Facility Carried: OWENS LN

Bridge Number: 31-00018
 Feature(s) Intersected: BRUSH HEAP CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - NO PROBLEMS NOTED	PRESTR. CONC. BOX BMS	7
58.01 Wearing Surface:.....	GOOD - CRACKS @ BM JOINTS	BITUMINOUS	7
59. Superstructure:.....	GOOD - GUARDRAIL DAMAGE	PCBB	7
60. Substructure:.....	VERY GOOD - HAIRLINE CRACKS	CONCRETE ABUTMENT	8
61. Channel:.....	GOOD - ROCK BOTTOM	NATURAL	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKING	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - GUARDRAIL DAMAMGE AND HAIRLINE ABUTMENT CRACKS		7	8
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			6
72. Roadway Alignment:.....	"T" INTERSECTION N END, IN CREST VC, HORIZONTAL CURVE S			4
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100088
Facility Carried: OWENS LN

Bridge Number: 31-00018
Feature(s) Intersected: BRUSH HEAP CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000350 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, BACKFILLING BEHIND THE NORTHWEST RETAINING WALL, REPAIRING THE GUARDRAIL AT NORTHWEST COPING, AND PATCHING BEAM DAMAGE.

596. Total Project Cost:..... \$000015 x 1000

INSPECTION DATA

90. Date:..... 08/30/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	13 Years	SUFFICIENCY RATING	86.9	86.9
	B: Deck:.....	50 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	50 Years			
	F: Approach:.....	13 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL CRACKS OVER BEAM JOINTS IN WEARING SURFACE, LOOSE STONE CHIPS AT EDGES OF DECK, EAST GUARDRAIL IS DAMAGED. BEAM #1 IS DAMAGED AT NORTH END GUARDRAIL POST WITH EXPOSED REINFORCEMENT. 1 FULL HEIGHT VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE AT SOUTH ABUTMENT, AND 2 AT NORTH ABUTMENT. TOP OF FOOTINGS EXPOSED AT NORTH AND SOUTH ABUTMENTS. AGGREGATION IN CHANNELS. LIGHT SETTLING AND CRACKING AT BRIDGE END APPROACHES. EROSION BEHIND NORTHEAST RETAINING WALL.

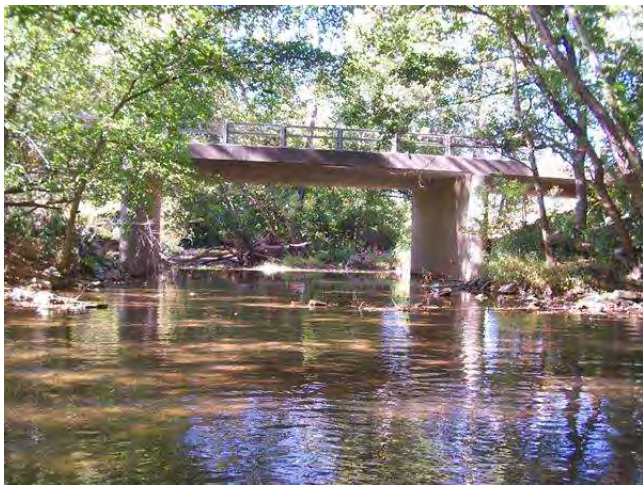
THINK SAFETY FIRST



LOOKING WEST ON ROAD



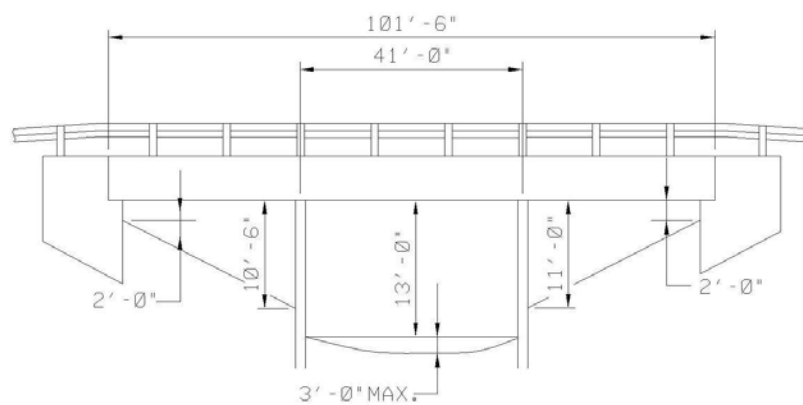
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00021
 E WHISKEY RUN RD over CORN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100013
Facility Carried: E WHISKEY RUN RD

Bridge Number: 31-00021
Feature(s) Intersected: CORN CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100013
8L. County Bridge Number:..... 00021
8X. Structure Name:.....
5A. Inventory Route On:..... 142000660
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... CORN CREEK
7. Facility Carried:..... E WHISKEY RUN RD
9A. Location:..... 00.10 W OF INDIAN BLUFF RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 19' 32.54"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00066
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... P-7
11B. Mile Point (under):.....
17. Longitude:..... 086° 02' 24.17"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 201 A (CRCS - 201A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 003
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... Inches

AGE OF SERVICE

27A. Year Built:..... 1979
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000890 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 001460 VPD
109. Average Truck Traffic:..... 06 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 011 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0041.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.0 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00101.5 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 026.5 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100013	Bridge Number: 31-00021
Facility Carried: E WHISKEY RUN RD	Feature(s) Intersected: CORN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - LT. SCALING, POPOUTS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LT. TO MOD. SURFACE WEAR	CONCRETE	7
59. Superstructure:.....	GOOD - DELAMS	CONTINUOUS REINF CONC SLAB	7
60. Substructure:.....	SATIS - FOOTING EXPOSED @ PIER #3	CONCRETE	6
61. Channel:.....	SATIS - DRIFT, TREES, SCOUR	NATURAL	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKIING	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	SATIS - PIER #3 TOP OF FOOTING EXPOSED		6	6
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	IN CREST VC, SHARP HORIZONTAL CURVE W			5
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				B (ALUMINUM)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100013
Facility Carried: E WHISKEY RUN RD

Bridge Number: 31-00021
Feature(s) Intersected: CORN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 001460 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING B.E.M'S AND BRIDGE RAILING TRANSITIONS.

596. Total Project Cost:..... \$000001 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	14 Years	SUFFICIENCY RATING	78.1	81.2
	B: Deck:.....	25 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	35 Years			
	E: Substructure:.....	33 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	33 Years			
	H: Culvert:.....	NA Years			

REMARKS

LIGHT TO MODERATE SURFACE WEAR. DELAMS UNDER COPING JUST INSIDE OF DRIP BEADS ON ALL SPANS. FOOTING EXPOSED IN AREA WHERE CONCRETE FOOTING MEETS ROCK CREEK BOTTOM , AND DETERIORATION AT PIER #3. SCOUR HOLE UNDER BRIDGE DEBRIS AND FALLEN TREES IN CHANNEL WITH AGGREDATION. SHOULDERS ARE ERODING AND SETTLING AT BRIDGE CORNERS. CHANNEL HAS SILTED IN AROUND PIER #3.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



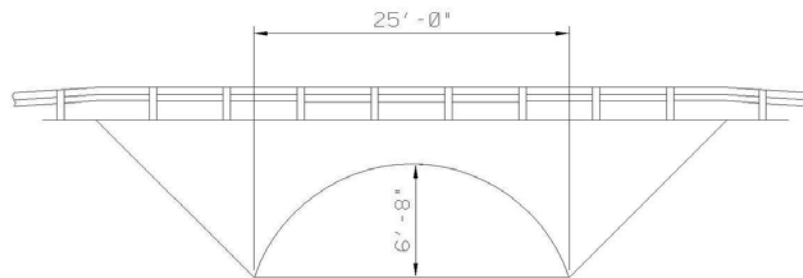
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00023
WALNUT VALLEY RD over TRIB OF HICKMAN BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100080
Facility Carried: WALNUT VALLEY RD

Bridge Number: 31-00023
Feature(s) Intersected: TRIB OF HICKMAN BRANCH

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100080
8L. County Bridge Number:..... 00023
8X. Structure Name:.....
5A. Inventory Route On:..... 142002170
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... TRIB OF HICKMAN BRANCH
7. Facility Carried:..... WALNUT VALLEY RD
9A. Location:..... 00.10 S OF SR 62
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 14' 12.40"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00217
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... F-13
11B. Mile Point (under):.....
17. Longitude:..... 086° 12' 51.93"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 919 B (MPAUF - 319A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... N (N/A)
108A. Wearing Surface:..... N (NOT APPLICABLE)
108C. Protection:..... N (NOT APPLICABLE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NOT APPLICABLE
108D. Thickness of Asphalt:..... Inches

AGE OF SERVICE

27A. Year Built:..... 2000
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000210 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000350 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 006 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0025.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 020.2 ft.
32. Approach Roadway Width:..... 018.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 020.2 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00025.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 020.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):..... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100080
 Facility Carried: WALNUT VALLEY RD

Bridge Number: 31-00023
 Feature(s) Intersected: TRIB OF HICKMAN BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	N/A	N/A	N
58.01 Wearing Surface:.....	N/A	N/A	N
59. Superstructure:.....	N/A	NOT APPLICABLE	N
60. Substructure:.....	N/A	N/A - UNDER FILL	N
61. Channel:.....	SATIS - SCOUR @ WEST OPENING	RIPRAP	6
62. Culv/Ret:.....	VERY GOOD - LOOSE BOLTS	CORRUGATED	8
65. Approach Roadway:.....	GOOD - CRACKING	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS	Unofficial	Official
67. Structural:.....	VERY GOOD - SOME LOOSE BOLTS	8	8
68. Geometry:.....	NOT APPLICABLE	N	N
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	ADEQUATE		7
72. Roadway Alignment:.....	IN CREST VC & INTERSECTION N, HORIZONTAL CURVE S		6
36A. Traffic Safety Features (Bridge Railings):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36B. Traffic Safety Features (Transitions):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....			G (STEEL)
113A. Scour Critical Bridge:.....			5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100080
Facility Carried: WALNUT VALLEY RD

Bridge Number: 31-00023
Feature(s) Intersected: TRIB OF HICKMAN BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000350 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL.

596. Total Project Cost:..... \$000007 x 1000

INSPECTION DATA

90. Date:..... 08/20/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

				Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:.....	NA Years	SUFFICIENCY RATING	98.9	99.9
	B: Deck:.....	NA Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	NA Years			
	E: Substructure:.....	NA Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	33 Years			
	H: Culvert:.....	40 Years			

REMARKS

MONITOR SCOUR @ WEST WATERWAY OPENING. MINOR DEFLECTIONS. HOLLOW SOUND UNDER FLOOR OF BOX CULVERT. TREES GROWING IN CULVERT OPENING, AGGREDATION. SCOURING DOWNSTREAM FLOOR EDGE, NO SIGNIFICANT UNDERMINING. APPROACHES DROP OFF AT EDGES OF PAVEMENT OVER STRUCTURE.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



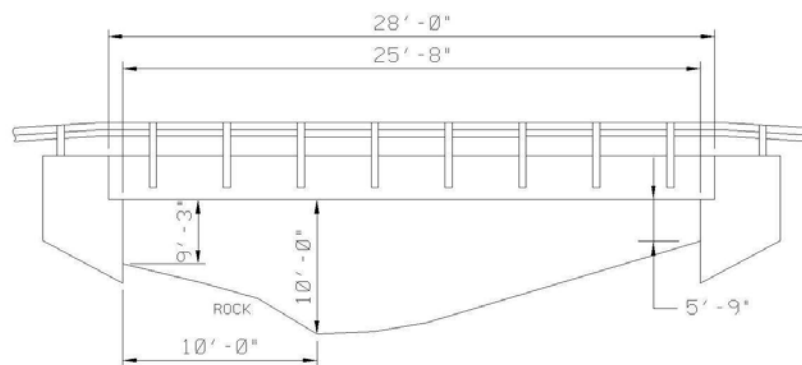
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00024
 WALNUT VALLEY RD over HICKMAN BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100063
Facility Carried: WALNUT VALLEY RD

Bridge Number: 31-00024
Feature(s) Intersected: HICKMAN BRANCH

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100063	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00024	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142002170	5B. Road Number On:	00217
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	HICKMAN BRANCH	99. Border Bridge Number:	
7. Facility Carried:	WALNUT VALLEY RD	9C. Map Location:	F-13
9A. Location:	00.40 S OF SR 62	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 12' 37.61"
16. Latitude:	38° 14' 00.70"		

STRUCTURE DATA

43A. Structure Type - Main Span:	701 (TS - 701)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	8 (TIMBER)	108B. Membrane:	NONE
108A. Wearing Surface:	7 (TIMBER)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1982	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000210 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000350 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	01 % Trucks	19. Bypass Detour Length:	006 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0025.7 ft.	49. Structure Length:	00028.0 ft.
50A. Sidewalk/Curb Left:	00.6 ft.	50B. Sidewalk/Curb Right:	00.6 ft.
51. Bridge Roadway Width:	025.0 ft.	52. Deck Width (O-O):	025.7 ft.
32. Approach Roadway Width:	018.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	30 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	025.0 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100063	Bridge Number: 31-00024
Facility Carried: WALNUT VALLEY RD	Feature(s) Intersected: HICKMAN BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - MOD. WEAR, CHECKS	TIMBER	6
58.01 Wearing Surface:.....	SATIS - MOD. WEAR, DEBRIS IN DRAINS	TIMBER	6
59. Superstructure:.....	SATIS - CHECKS	TIMBER SLAB	6
60. Substructure:.....	GOOD - SPLITS, CHECKING	TIMBER	7
61. Channel:.....	GOOD - DEBRIS IN CHANNEL	RIPRAP AND CONCRETE	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKING	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 0 (UNKNOWN)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - DECK MODERATELY WORN, AGING TIMBER		6	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			6
72. Roadway Alignment:.....	IN SLIGHT CREST VC, HORIZONTAL CURVE N			5
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				J (TIMBER)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100063
Facility Carried: WALNUT VALLEY RD

Bridge Number: 31-00024
Feature(s) Intersected: HICKMAN BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000350 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND CLEANING EDGE DRAIN, INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL AND PLACING A PROTECTIVE WEARING SURFACE.

596. Total Project Cost:..... \$000022 x 1000

INSPECTION DATA

90. Date:..... 08/20/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	03 Years	SUFFICIENCY RATING	91.9	91.9
	B: Deck:.....	12 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	12 Years			
	E: Substructure:.....	15 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	15 Years			
	H: Culvert:.....	NA Years			

REMARKS

DIRT AND LEAVES BLOCK DECK EDGE DRAINS, VEGETATION GROWING AT EDGES OF DECK, MODERATE SURFACE WEAR AND CHECKING. WATER SEEPAGE THROUGH SLAB, AND LIGHT CHECKING ON BOTTOM OF TIMBER SLAB. PILE #4 AT SOUTH BENT HAS LARGE CHECK AND ALL PILES HAVE MINOR SPLITS. MINOR SPLITS AND CHECKS AT NORTH BENT. CHANNEL AGGREGATION, DEBRIS, AND FALLEN TREES IN CHANNEL DOWNSTREAM, SMALL TREES IN CHANNEL. APPROACH IS BREAKING UP AT SOUTH END OF BRIDGE.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



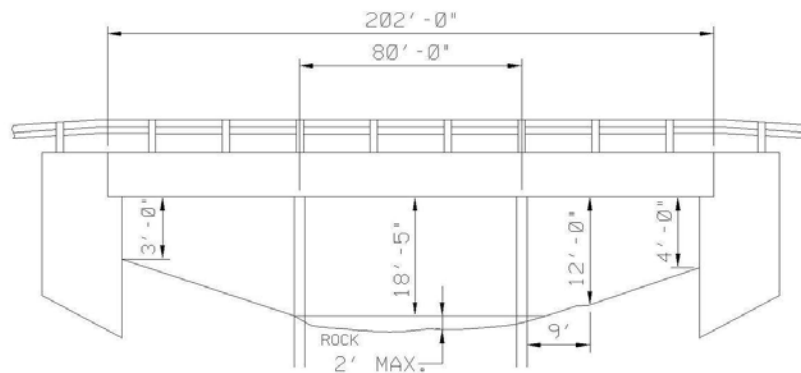
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



BEAM #5 BEARING AT BENT #4



HARRISON COUNTY - BRIDGE NO. 00025
CORYDON-NEW MDDL TN over LITTLE INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100015
Facility Carried: CORYDON-NEW MDDL TN

Bridge Number: 31-00025
Feature(s) Intersected: LITTLE INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100015	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00025	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	141001590	5B. Road Number On:	00159
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	LITTLE INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	CORYDON-NEW MDDL TN	9C. Map Location:	M-16
9A. Location:	00.20 S OF SR 62	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 05' 42.54"
16. Latitude:	38° 11' 58.55"		

STRUCTURE DATA

43A. Structure Type - Main Span:	402 A (CSB - 402A)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1982	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	006270 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	010300 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	004 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0080.0 ft.	49. Structure Length:	00202.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	028.1 ft.	52. Deck Width (O-O):	030.5 ft.
32. Approach Roadway Width:	022.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	40 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	028.1 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100015	Bridge Number: 31-00025
Facility Carried: CORYDON-NEW MDDL TN	Feature(s) Intersected: LITTLE INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - HL CRACKS, LT SURF. WEAR	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LT. SURF. WEAR, LOOSE STONE	CONCRETE	7
59. Superstructure:.....	GOOD - HEAVY RUST ON ROCKER BEARINGS	CONTINUOUS STEEL BEAM	7
60. Substructure:.....	GOOD - VERT HL CRACKS @ MUDWALLS	CONCRETE CAP ON PILES	7
61. Channel:.....	GOOD - LT. SCOUR.	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED	CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - HEAVY RUST ON ROCKER BEARINGS, LIGHT RUST ON BEAMS	7	7
68. Geometry:..... MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE	4	4
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		7
72. Roadway Alignment:..... IN CREST VC, HORIZONTAL CURVE S, INTERSECTION N		7
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:..... B (ALUMINUM)		
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100015
Facility Carried: CORYDON-NEW MDDL TN

Bridge Number: 31-00025
Feature(s) Intersected: LITTLE INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 010300 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND REPAIRING APPROACH GUARDRAIL AND PLACING BEM'S, REPAIRING S-S JOINT AT SOUTH END OF BRIDGE, CLEANING EDGES OF DECK, AND CLEANING AND PROTECTING STEEL AT BEARING AREAS.

596. Total Project Cost:..... \$000004 x 1000

INSPECTION DATA

90. Date:..... 08/30/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	20 Years	SUFFICIENCY RATING	77.8	81.1
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	00 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	45 Years			
	E: Substructure:.....	45 Years			
	F: Approach:.....	12 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

EXPANSION JOINT SEALS FAILED AND HAIRLINE TRANSVERSE CRACK WITH EFFLORESCENCE IN CENTER SPAN. HEAVY RUST ON BEARINGS WITH ISOLATED PATCHES OF LIGHT FLAKING RUST ON BEAM WEBS. LIGHT RUST ON BEAMS, GRAVEL ON DECK EDGES, EXCESS VEGETATION NEAR BRIDGE. LIGHT SCOUR AT PIER #3 AND VERTICAL CRACK WITH EFFLORESCENCE AT BENT #1 MUDWALL. SMALL TREES GROWING IN END SPANS. SPALL AND CRACK IN NORTH APPROACH SLAB.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



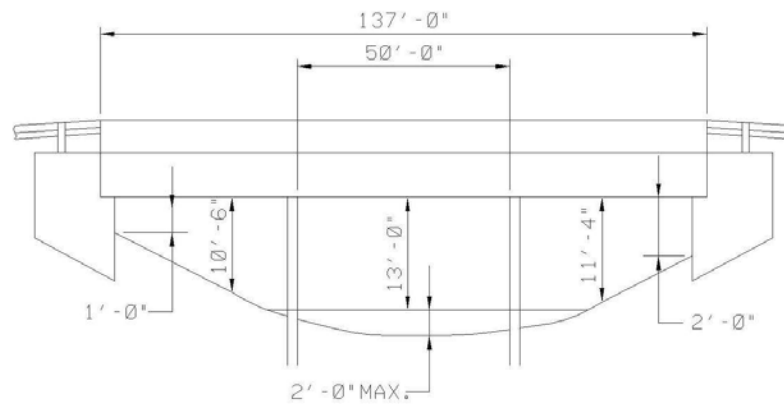
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00027
 NEW MIDDLETOWN RD over LITTLE INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100017
Facility Carried: NEW MIDDLETOWN RD

Bridge Number: 31-00027
Feature(s) Intersected: LITTLE INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100017	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00027	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	141001690	5B. Road Number On:	00169
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	LITTLE INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	NEW MIDDLETOWN RD	9C. Map Location:	P-15
9A. Location:	00.10 S OF SR 62	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 02' 36.14"
16. Latitude:	38° 12' 46.64"		

STRUCTURE DATA

43A. Structure Type - Main Span:	606 (CPCBB - 605)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1995	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000890 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	001460 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	005 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0050.0 ft.	49. Structure Length:	00137.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.0 ft.	52. Deck Width (O-O):	027.0 ft.
32. Approach Roadway Width:	022.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	10 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.0 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100017	Bridge Number: 31-00027
Facility Carried: NEW MIDDLETOWN RD	Feature(s) Intersected: LITTLE INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - DRAINS PLUGGED, CRACKS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LONG. HL CRACKS	CONCRETE	7
59. Superstructure:.....	VERY GOOD - SHRINKAGE CRACKS	CONTINUOUS PCBB	8
60. Substructure:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE ON H-PILES	8
61. Channel:.....	GOOD - TREE GROWTH IN END SPAN	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKING	CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official	
67. Structural:.....	8	8	
68. Geometry:.....	4	4	
69. Underclearance:.....	N	N	
71. Waterway Adequacy:.....			7
72. Roadway Alignment:.....			8
36A. Traffic Safety Features (Bridge Railings):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36C. Traffic Safety Features (Approach Guardrail):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:.....			A (CONCRETE BARRIER RAIL)
113A. Scour Critical Bridge:.....			8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100017
Facility Carried: NEW MIDDLETOWN RD

Bridge Number: 31-00027
Feature(s) Intersected: LITTLE INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 001460 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND REPLACING JOINT AT SOUTH END OF BRIDGE, CLEANING AND SEALING JOINTS BETWEEN CONCRETE APPROACH SLABS AND BITUMINOUS, AND INSTALLING BEM'S.

596. Total Project Cost:..... \$000004 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

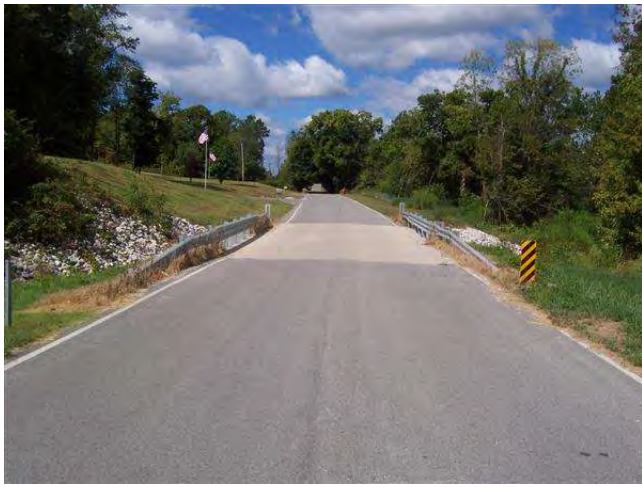
REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	19 Years	SUFFICIENCY RATING	82.6	82.6
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	09 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	45 Years			
	E: Substructure:.....	45 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	45 Years			
	H: Culvert:.....	NA Years			

REMARKS

HAIRLINE CRACKS OVER PIERS AT COPINGS WITH LIGHT EFFLORESCENCE. ISOLATED LONGITUDNAL HAIRLINE CRACKS AND LIGHT SURFACE CRACKS IN DECK. SMALL TREES GROWING IN END SPAN WATERWAY OPENINGS. JOINT MISSING BETWEEN DECK AND APPROACH SLAB AT SOUTH END OF BRIDGE. OPEN JOINTS BETWEEN BITUMINOUS AND CONCRETE APPROACH SLABS.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



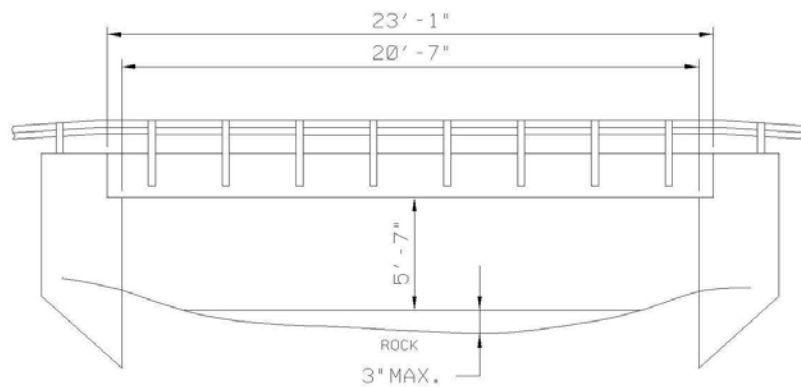
LOOKING EAST ON ROAD



LOOKING SOUTH IN CHANNEL



LOOKING NORTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00029
 BIG INDIAN RD over BRUSH HEAP CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100089
Facility Carried: BIG INDIAN RD

Bridge Number: 31-00029
Feature(s) Intersected: BRUSH HEAP CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100089	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00029	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000520	5B. Road Number On:	00052
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	BRUSH HEAP CREEK	99. Border Bridge Number:	
7. Facility Carried:	BIG INDIAN RD	9C. Map Location:	O-13
9A. Location:	00.70 E OF TEE RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 04' 30.77"
16. Latitude:	38° 14' 38.09"		

STRUCTURE DATA

43A. Structure Type - Main Span:	101 A (RCS - 101A)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2007	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000210 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000350 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	03 % Trucks	19. Bypass Detour Length:	006 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0020.6 ft.	49. Structure Length:	00023.1 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.0 ft.	52. Deck Width (O-O):	024.5 ft.
32. Approach Roadway Width:	023.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	40 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.0 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100089
 Facility Carried: BIG INDIAN RD

Bridge Number: 31-00029
 Feature(s) Intersected: BRUSH HEAP CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	VERY GOOD - CORNER CRACKS	CONCRETE	8
58.01 Wearing Surface:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE	8
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	REINF CONC SLAB	8
60. Substructure:.....	GOOD - SCOURD FOOTING	CONCRETE ABUTMENT	7
61. Channel:.....	GOOD - SCOUR	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - JOINT OPENING	CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS	Unofficial	Official
67. Structural:.....	GOOD - WEST FOOTING EROSION	7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	ADEQUATE		6
72. Roadway Alignment:.....	IN HORIZONTAL CURVE, IN SAG VC		7
36A. Traffic Safety Features (Bridge Railings):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36D. Traffic Safety Features (Approach Guardrail Ends):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36X. Bridge Rail Type:.....			Q (STEEL)
113A. Scour Critical Bridge:.....			8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100089
Facility Carried: BIG INDIAN RD

Bridge Number: 31-00029
Feature(s) Intersected: BRUSH HEAP CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000350 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING BRIDGE RAILING TRANSITIONS AND ADDING RIPRAP AT EACH ABUTMENT.

596. Total Project Cost:..... \$000004 x 1000

INSPECTION DATA

90. Date:..... 08/30/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:..... 28 Years	SUFFICIENCY RATING	94.4	94.4
	B: Deck:..... 45 Years	Functionally Obsolete:	N	N
	C: Joints:..... NA Years	Structurally Deficient:	N	N
	D: Superstructure:..... 45 Years			
	E: Substructure:..... 45 Years			
	F: Approach:..... 14 Years			
	G: Channel:..... 40 Years			
	H: Culvert:..... NA Years			

REMARKS

WEST ABUTMENT FOOTING IS SLIGHTLY UNDERMINED. MONITOR FOR FURTHER UNDERMINING. TRANSVERSE HAIRLINE CRACKS IN DECK. HAIRLINE CRACKS WITH EFFLORESCENCE ON BOTTOM OF SLAB AND LIGHT HONEYCOMBING. 7 VERTICAL HAIRLINE FULL HEIGHT CRACKS IN EAST ABUTMENT AND 5 VERTICAL CRACKS IN WEST ABUTMENT. FOOTINGS AT EAST AND WEST ABUTMENTS ARE SCOURED BUT NOT UNDERMINED. OVERGROWN CHANNEL BANKS. JOINT OPENING BETWEEN BITUMINOUS AND CONCRETE AT APPROACHES AND SHOULDERS SETTLING.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



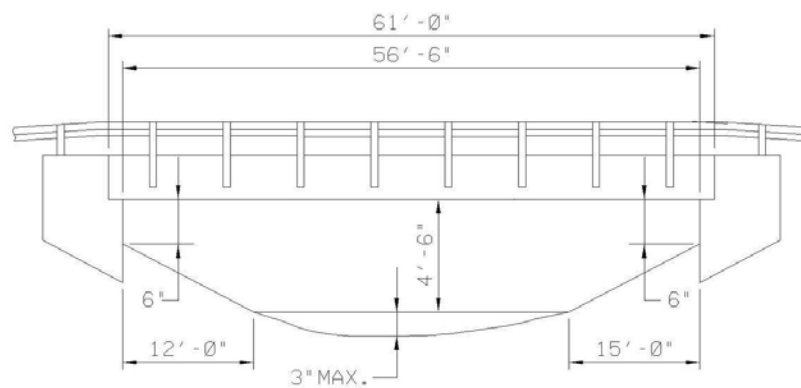
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00030
 NEW MIDDLETOWN RD over NO NAME CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100019
Facility Carried: NEW MIDDLETOWN RD

Bridge Number: 31-00030
Feature(s) Intersected: NO NAME CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100019
8L. County Bridge Number:..... 00030
8X. Structure Name:.....
5A. Inventory Route On:..... 141001690
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... NO NAME CREEK
7. Facility Carried:..... NEW MIDDLETOWN RD
9A. Location:..... 00.70 S OF TURLEY RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 11' 10.47"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00169
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... P-16
11B. Mile Point (under):.....
17. Longitude:..... 086° 02' 29.65"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1990
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000890 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 001460 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 006 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0056.5 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.3 ft.
32. Approach Roadway Width:..... 021.0 ft.
34. Skew:..... 35 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.3 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00061.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.3 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100019	Bridge Number: 31-00030
Facility Carried: NEW MIDDLETOWN RD	Feature(s) Intersected: NO NAME CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - LIGHT SCALING, POPOUTS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCBB	8
60. Substructure:.....	GOOD - NO DEFICIENCIES NOTED	CONCRETE	7
61. Channel:.....	GOOD - BRUSHY, FENCES, DRIFT	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKING	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - NO MAJOR STRUCTURAL PROBLEMS NOTED		7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			6
72. Roadway Alignment:.....	TANGENT, CREST VC			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100019
Facility Carried: NEW MIDDLETOWN RD

Bridge Number: 31-00030
Feature(s) Intersected: NO NAME CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 001460 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000013 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	12 Years	SUFFICIENCY RATING	79.5	79.6
	B: Deck:.....	35 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	40 Years			
	E: Substructure:.....	45 Years			
	F: Approach:.....	12 Years			
	G: Channel:.....	45 Years			
	H: Culvert:.....	NA Years			

REMARKS

HAIRLINE CRACKS NEAR ENDS OF BRIDGE ON DECK. WATER SEEPAGE ONTO BRIDGE SEATS. SOME DEBRIS UNDER BRIDGE. APPROACHES CRACKING AND SETTLING AT BRIDGE ENDS AND SHOULDERS SETTLING BEHIND WINGWALLS.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



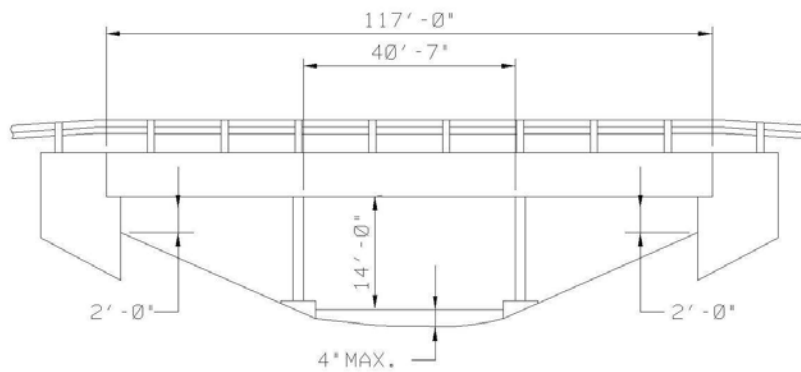
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00031
 PFRIMMER CHAPEL RD over LITTLE INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100020
Facility Carried: PFRIMMER CHAPEL RD

Bridge Number: 31-00031
Feature(s) Intersected: LITTLE INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100020	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00031	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000410	5B. Road Number On:	00041
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	LITTLE INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	PFRIMMER CHAPEL RD	9C. Map Location:	P-15
9A. Location:	00.10 S OF SR 62	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 03' 05.10"
16. Latitude:	38° 12' 40.72"		

STRUCTURE DATA

43A. Structure Type - Main Span:	606 (CPCBB - 605)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1973	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000590 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000970 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	004 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0040.6 ft.	49. Structure Length:	00117.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.2 ft.	52. Deck Width (O-O):	026.2 ft.
32. Approach Roadway Width:	018.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	40 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.2 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100020	Bridge Number: 31-00031
Facility Carried: PFRIMMER CHAPEL RD	Feature(s) Intersected: LITTLE INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - WEAR, SURFACE SPALLS	CONCRETE	6
58.01 Wearing Surface:.....	SATIS - LT. SURFACE WEAR	CONCRETE	6
59. Superstructure:.....	VERY GOOD - SPALLED DIAPHRAGM	CONTINUOUS PCBB	8
60. Substructure:.....	GOOD - SMALL SPALLS	CONCRETE CAP	7
61. Channel:.....	GOOD - AGGREDATION	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	SATIS - CRACKED, SETTLED	BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - WEAR SURF SPALLS & DELAMS, BENT SPALLS		7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	TANGENT, IN CREST VC			6
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100020
Facility Carried: PFRIMMER CHAPEL RD

Bridge Number: 31-00031
Feature(s) Intersected: LITTLE INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000970 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND CLEANING AND PATCHING SPALLS AND DELAMINATIONS ON SURFACE.

596. Total Project Cost:..... \$000019 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	02 Years	SUFFICIENCY RATING	85.8	85.8
	B: Deck:.....	15 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	20 Years			
	E: Substructure:.....	25 Years			
	F: Approach:.....	08 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

DECK SPALLED & DELAMINATED, APPROACH SETTLED & CRACKED. SPALLS ON DIAPHRAGMS OVER BENT #4. SMALL SPALLS ON THE SOUTH FACE OF PIER 32 AT BASE. BANK EROSION AND AGGREDATION.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



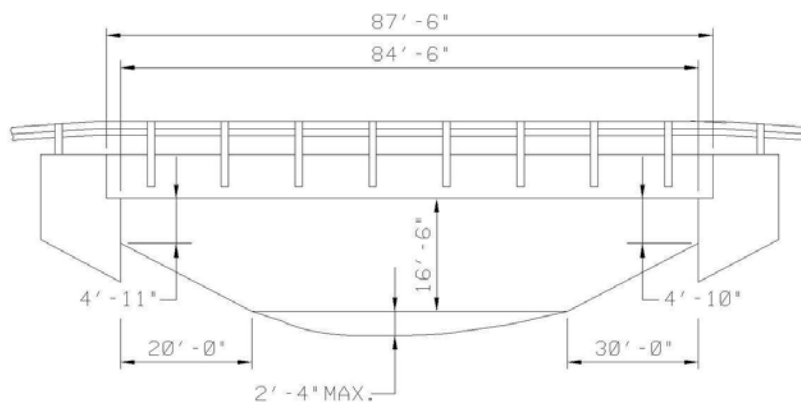
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00032
 HARRISON SPRING RD over BRANCH OF BLUE RIVER

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100021
Facility Carried: HARRISON SPRING RD

Bridge Number: 31-00032
Feature(s) Intersected: BRANCH OF BLUE RIVER

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100021
8L. County Bridge Number:..... 00032
8X. Structure Name:.....
5A. Inventory Route On:..... 142002300
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BRANCH OF BLUE RIVER
7. Facility Carried:..... HARRISON SPRING RD
9A. Location:..... 00.50 N OF SR 62
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 14' 19.19"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00230
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... E-13
11B. Mile Point (under):.....
17. Longitude:..... 086° 13' 45.35"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1987
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000050 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000080 VPD
109. Average Truck Traffic:..... 00 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 001 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0084.5 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 028.2 ft.
32. Approach Roadway Width:..... 024.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 028.2 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00087.7 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 028.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100021	Bridge Number: 31-00032
Facility Carried: HARRISON SPRING RD	Feature(s) Intersected: BRANCH OF BLUE RIVER

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - CRACKED @ BEAM JOINTS	.....CONCRETE	7
58.01 Wearing Surface:.....GOOD - LOOSE STONE CHIPS @ EDGES	.....CONCRETE	7
59. Superstructure:.....VERY GOOD - NO PROBLEMS NOTED	.....PCBB	8
60. Substructure:.....VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE ABUTMENT	8
61. Channel:.....GOOD - BANKS OVERGROWN	.....NATURAL AND RIPRAP	7
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....GOOD - SETTLEMENT @ ENDS	.....BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....VERY GOOD - DECK CRACKED OVER BEAM JOINTS	8	8
68. Geometry:.....BETTER THAN PRESENT MINIMUM CRITERIA	7	7
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		7
72. Roadway Alignment:.....SHARP HORIZONTAL CURVE EACH END, IN CREST VC		5
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100021
Facility Carried: HARRISON SPRING RD

Bridge Number: 31-00032
Feature(s) Intersected: BRANCH OF BLUE RIVER

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000080 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000015 x 1000

INSPECTION DATA

90. Date:..... 08/20/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING	96.0	96
	B: Deck:.....	25 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	35 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	12 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL HAIRLINE CRACKS OVER BEAM JOINTS, CHIPPING AT BRIDGE ENDS DUE TO TRAFFIC IMPACT. WATER SEEPAGE ONTO BEAM SEATS. SMALL TREES OVER GROWING CHANNEL EDGES AND WATERWAY OPENING. APPROACHES SETTLING AT BOTH ENDS OF BRIDGE.

THINK SAFETY FIRST



LOOKING EAST ON ROAD



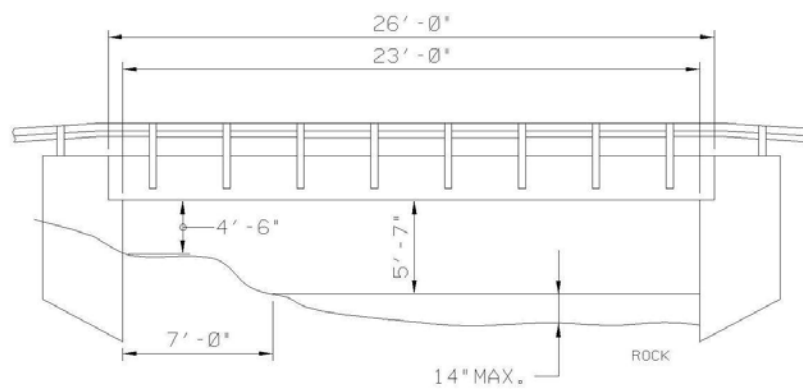
LOOKING WEST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00034
 BUCK CR RIDGE RD over BRANCH OF BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100078
Facility Carried: BUCK CR RIDGE RD

Bridge Number: 31-00034
Feature(s) Intersected: BRANCH OF BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100078
8L. County Bridge Number:..... 00034
8X. Structure Name:.....
5A. Inventory Route On:..... 142002100
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BRANCH OF BUCK CREEK
7. Facility Carried:..... BUCK CR RIDGE RD
9A. Location:..... 00.40 E OF FLATWOOD RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 10' 14.37"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00210
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... R-17
11B. Mile Point (under):.....
17. Longitude:..... 086° 02' 27.95"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 101 A (RCS - 101A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1998
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000070 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000120 VPD
109. Average Truck Traffic:..... 00 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 004 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0023.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 023.8 ft.
32. Approach Roadway Width:..... 19.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 023.8 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00026.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.0 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100078
 Facility Carried: BUCK CR RIDGE RD

Bridge Number: 31-00034
 Feature(s) Intersected: BRANCH OF BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - LIGHT SCALING	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - HL CRACKS @ ENDS	CONCRETE	7
59. Superstructure:.....	GOOD - HL CRACKS, EFFL.	CONTINUOUS REINF CONC SLAB	7
60. Substructure:.....	GOOD - W. FOOTING EXPOSED	CONCRETE	7
61. Channel:.....	GOOD - SILT IN CHNNL	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - UNEVEN	CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - FOOTING EXPOSED, HL SLAB CRACKS	7	7
68. Geometry:..... BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	6	6
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		7
72. Roadway Alignment:..... TANGENT, CREST VC EACH WAY		7
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		Q (STEEL)
113A. Scour Critical Bridge:.....		5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100078
Facility Carried: BUCK CR RIDGE RD

Bridge Number: 31-00034
Feature(s) Intersected: BRANCH OF BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000120 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING BRIDGE RAIL TRANSITIONS AND BACKFILLING ALONG NORTH SIDE OF THE WEST APPROACH SLAB.

596. Total Project Cost:..... \$000002 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	99.0	99
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	13 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	12 Years			
	G: Channel:.....	45 Years			
	H: Culvert:.....	NA Years			

REMARKS

HAIRLINE CRACKS AND POPOUTS ON DECK. LONGITUDNAL HAIRLINE CRACK AT CENTERLINE ON BOTTOM OF SLAB AND HAIRLINE CRACK NEAR NORTHEAST CORNER. WEST FOOTING EXPOSED. HAIRLINE CRACKS WITH EFFLORESCENCE AT WING WALLS. AGGREDATION OF CHANNEL, AND UNDERCUT TREES ON BANKS UPSTREAM. FARM GATES AT SOUTH COPING. NORTH SIDE OF WEST APPROACH SLAB IS SLIGHTLY UNDERCUT. SETTLING BITUMINOUS AT ENDS OF CONCRETE APPROACH SLABS.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



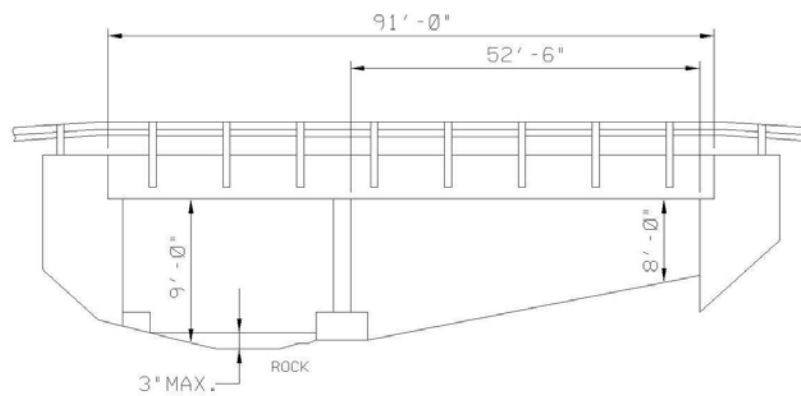
LOOKING EAST ON ROAD



LOOKING SOUTH IN CHANNEL



LOOKING NORTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00035
 PAYTON RD over BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100022
Facility Carried: PAYTON RD

Bridge Number: 31-00035
Feature(s) Intersected: BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100022
8L. County Bridge Number:..... 00035
8X. Structure Name:.....
5A. Inventory Route On:..... 142000250
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BUCK CREEK
7. Facility Carried:..... PAYTON RD
9A. Location:..... 00.60 N OF LOTTICKS COR. RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 08' 19.02"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00025
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... Q-19
11B. Mile Point (under):.....
17. Longitude:..... 086° 01' 45.06"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 201 A (CRCS - 201A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 002
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1989
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000410 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000670 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 010 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0052.5 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 023.9 ft.
32. Approach Roadway Width:..... 021.0 ft.
34. Skew:..... 50 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 023.9 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00091.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.0 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100022
 Facility Carried: PAYTON RD

Bridge Number: 31-00035
 Feature(s) Intersected: BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0
 39. Navigation Vertical Clearance:..... 000.0 ft.
 111. Pier/Abutment Protection:.....
 40. Navigation Horizontal Clearance:..... 0000.0 ft.
 116. Vertical Clearance - Lift Bridge:.....

CLASSIFICATION

112. NBIS Bridge Length:..... Y
 104A. Highway System - Over:..... 0
 26A. Func. Class - Over:..... 09
 26B. Func. Class - Under:.....
 100. Defense Highway Des:..... 0
 102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)
 110. Des. Nat. Network:..... 0
 21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)
 37. Historical Significance:..... 5 (NOT ELIGIBLE)
 12. Base Highway Network:..... 0
 104B. Highway System - Under:.....
 13A. LRS Inventory Route:.....
 13B. LRS Inventory Subroute:.....
 101. Parallel Structure Des:..... N
 103. Temporary Structure Des:.....
 20. Toll:..... 3 (ON FREE ROAD)
 22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)

CONDITION

	<u>CONDITION</u>	<u>MATERIAL</u>	<u>RATING</u>
58. Deck:.....	GOOD - HL CRACKS, POPOUTS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - HL CRACKS	CONCRETE	7
59. Superstructure:.....	GOOD - HL CRACKS	CONTINUOUS REINF CONC SLAB	7
60. Substructure:.....	GOOD - NE & SW WINGS CRACKED	CONCRETE	7
61. Channel:.....	GOOD - TOP OF FOOTINGS EXPOSED	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	VERY GOOD - NEW BITUMINOUS	BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)
 64. Operating Rating:..... 45
 66. Inventory Rating:..... 36
 66B. Gross Tons or H Rating:..... 20 Tons
 70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)
 41. Open, Posted, or Closed:..... A (OPEN)
 66C. Tons Posted:.....
 Restriction Signage:.....
 64B. Year of Rating:..... 2010
 63. Oper Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
 65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
 66D. Date Posted/Closed:.....

APPRAISAL

	<u>COMMENTS</u>		<u>Unofficial</u>	<u>Official</u>
67. Structural:.....	GOOD - VERTICAL CRACKS WITH EFFLORESCENCE NE & SW ABUTMENT	7	7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE	4	5	5
69. Underclearance:.....	NOT APPLICABLE	N	N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	SAG VC N, HORIZONTAL CURVE AT ENDS, CREST VC E, INTERSECTION			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100022
Facility Carried: PAYTON RD

Bridge Number: 31-00035
Feature(s) Intersected: BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000670 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S, AND PATCHING SPALLS ON BENTS.

596. Total Project Cost:..... \$000015 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	86.7	86.7
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	30 Years			
	F: Approach:.....	05 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

HAIRLINE CRACKS AT ENDS OF BRIDGE AND POPOUTS ON DECK. LIGHT HONEYCOMBING ON UNDERSIDE OF DECK. LARGE SPALL AND MULTIPLE HAIRLINE CRACKS AT NORTHEAST WINGWALL CORNER, 7 VERTICAL HAIRLINE CRACKS, AND 16" OF FOOTING EXPOSED AT EAST ABUTMENT. 5" OF FOOTING EXPOSED AND 1 VERTICAL FULL HEIGHT HAIRLINE CRACK AT PIER. 5 VERTICAL HAIRLINE CRACKS AND LARGE SPALL WITH EXPOSED REINFORCEMENT AND 1/8" VERTICAL CRACK AT SOUTHWEST WINGWALL CORNER AT WEST ABUTMENT. SMALL TREES GROWING IN CHANNEL WITH AGGREGATION AND SILT.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



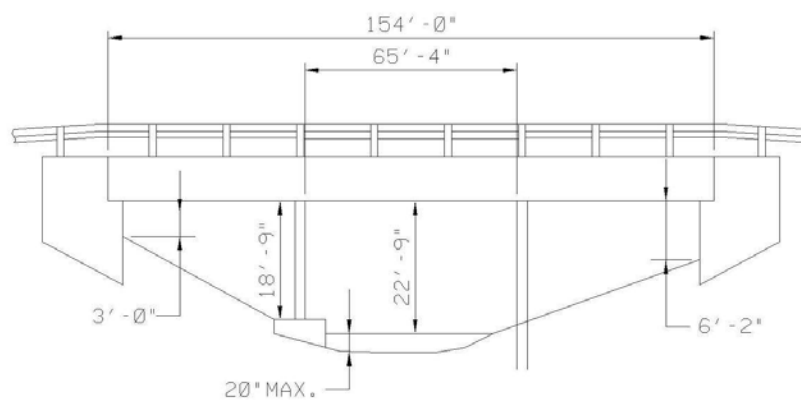
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00036
NEW MIDDLETOWN RD over BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100023
Facility Carried: NEW MIDDLETOWN RD

Bridge Number: 31-00036
Feature(s) Intersected: BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100023
8L. County Bridge Number:..... 00036
8X. Structure Name:.....
5A. Inventory Route On:..... 141001650
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BUCK CREEK
7. Facility Carried:..... NEW MIDDLETOWN RD
9A. Location:..... 00.10 N OF OLD SALEM CH. RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 08' 45.80"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00165
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... P-19
11B. Mile Point (under):.....
17. Longitude:..... 086° 03' 01.50"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 602 A (CPCIB - 602A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 003
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1965
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 002960 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 004860 VPD
109. Average Truck Traffic:..... 00 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 006 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0065.3 ft.
50A. Sidewalk/Curb Left:..... 02.0 ft.
51. Bridge Roadway Width:..... 025.5 ft.
32. Approach Roadway Width:..... 022.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 025.5 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00154.0 ft.
50B. Sidewalk/Curb Right:..... 02.0 ft.
52. Deck Width (O-O):..... 029.8 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100023	Bridge Number: 31-00036
Facility Carried: NEW MIDDLETOWN RD	Feature(s) Intersected: BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:..... SATIS - OPEN JOINTS, HL CRACKS	..... CONCRETE	6
58.01 Wearing Surface:..... SATIS - SHRINKAGE CRACKS, WEAR	..... CONCRETE	6
59. Superstructure:..... VERY GOOD - NO PROBLEMS NOTED	..... CONTINUOUS PCIB	8
60. Substructure:..... SATIS - PIER 2 FOOTING EXPOSED	..... CONCRETE ABUTMENT	6
61. Channel:..... SATIS - AGGREDATION	..... NATURAL AND RIPRAP	6
62. Culv/Ret:..... N/A	..... N/A	N
65. Approach Roadway:..... SATIS - CRACKED @ BRIDGE ENDS	..... BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:..... SATIS - HL DECK CRACKS, OPEN JTS @ PIERS, PIER #2 FTG. EXP.	6	6
68. Geometry:..... BASICALLY INTOLERABLE - VERY NARROW GEOMETRY	2	2
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		8
72. Roadway Alignment:..... IN CREST VC, HORIZONTAL CURVE N, INTERSECTION SE		6
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:..... B (ALUMINUM)		
113A. Scour Critical Bridge:.....		5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100023
Facility Carried: NEW MIDDLETOWN RD

Bridge Number: 31-00036
Feature(s) Intersected: BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 004860 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, BRIDGE RAIL TRANSITIONS AND CURRENT STANDARD APPROACH RAIL WITH B.E.M'S, CLEANING THE GUTTER LINE AND DRAINS, AND INSTALLING JOINT MATERIAL IN OPEN JOINTS.

596. Total Project Cost:..... \$000013 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:..... 5 Years	SUFFICIENCY RATING	76.2	80
	B: Deck:..... 20 Years	Functionally Obsolete:	Y	Y
	C: Joints:..... 00 Years	Structurally Deficient:	N	N
	D: Superstructure:..... 25 Years			
	E: Substructure:..... 25 Years			
	F: Approach:..... 9 Years			
	G: Channel:..... 40 Years			
	H: Culvert:..... NA Years			

REMARKS

EXPANSION JOINT SEAL MISSING OVER PIERS. SHRINKAGE CRACKS IN DECK, MODERATE TO HEAVY SURFACE WEAR ON SOUTH SPAN. PIER #2 FOOTING EXPOSED, KEYED INTO ROCK. AGGREGATION AND FALLEN TREES IN CHANNEL. CRACKING AND SETTling AT BRIDGE ENDS.

THINK SAFETY FIRST



LOOKING EAST ON ROAD



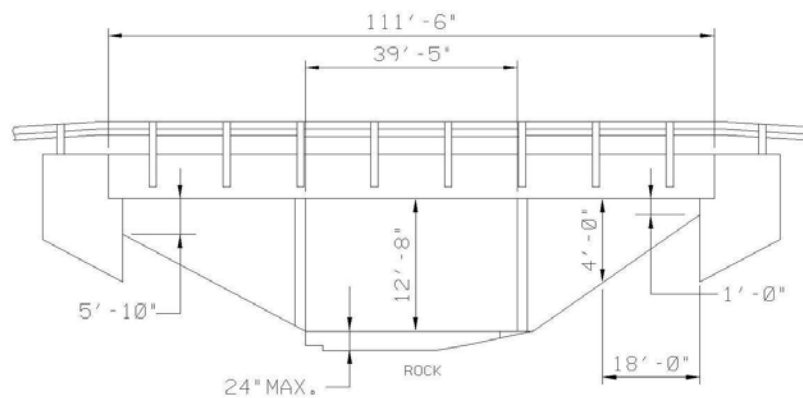
LOOKING WEST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00037
 TURLEY RD over LITTLE INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100024
Facility Carried: TURLEY RD

Bridge Number: 31-00037
Feature(s) Intersected: LITTLE INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100024	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00037	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000400	5B. Road Number On:	00040
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	LITTLE INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	TURLEY RD	9C. Map Location:	O-15
9A. Location:	00.50 N OF SR 62	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 03' 53.51"
16. Latitude:	38° 11' 59.48"		

STRUCTURE DATA

43A. Structure Type - Main Span:	605 (CPCBB - 605)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1988	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000270 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000440 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	002 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0039.4 ft.	49. Structure Length:	00111.5 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.1 ft.	52. Deck Width (O-O):	024.2 ft.
32. Approach Roadway Width:	022.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	15 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.1 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100024
 Facility Carried: TURLEY RD

Bridge Number: 31-00037
 Feature(s) Intersected: LITTLE INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - TRANSVERSE CRACKS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LT SURF. WEAR, POPOUTS	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	CONTINUOUS PCBB	8
60. Substructure:.....	GOOD - TOP OF PIER FTGS EXPOSD	CONCRETE CAP ON PILES	7
61. Channel:.....	GOOD - LIGHT SCOUR	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS	Unofficial	Official
67. Structural:.....	GOOD - MINOR CRACKS AND SCOUR	7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	ADEQUATE		7
72. Roadway Alignment:.....	HORIZONTAL CURVE EACH END, IN CREST VC		4
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....			G (STEEL)
113A. Scour Critical Bridge:.....			8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100024
Facility Carried: TURLEY RD

Bridge Number: 31-00037
Feature(s) Intersected: LITTLE INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000440 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S, PLACING RIPRAP AT PIERS, AND CLEANING DECK AND END JOINTS.

596. Total Project Cost:..... \$000019 x 1000

INSPECTION DATA

90. Date:..... 08/30/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	89.5	89.5
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	08 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	35 Years			
	F: Approach:.....	13 Years			
	G: Channel:.....	45 Years			
	H: Culvert:.....	NA Years			

REMARKS

DECK SUPERELEVATED. TRANSVERSE CRACKS IN DECK OVER PIERS, LIGHT SURFACE WEAR AND POPOUTS WITH SHRINKAGE CRACKS. 2 VERTICAL HAIRLINE CRACKS IN EAST BENT, PIER 2 FOOTING EXPOSED 9" IN CENTER SPAN, PIER 3 FOOTING EXPOSED 4" IN CENTER SPAN. AGGREDATION AND LIGHT SCOUR OF ROCK AT PIER FOOTINGS, SMALL TREES GROWING IN END SPANS. 1/2" TO 1" SETTLEMENT AT EAST END OF BRIDGE.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



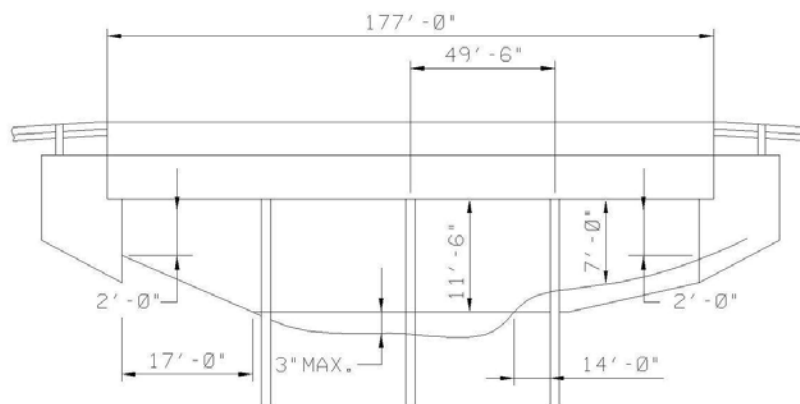
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00038
 UNION CHAPEL RD over BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100025
Facility Carried: UNION CHAPEL RD

Bridge Number: 31-00038
Feature(s) Intersected: BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100025
8L. County Bridge Number:..... 00038
8X. Structure Name:.....
5A. Inventory Route On:..... 141000170
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BUCK CREEK
7. Facility Carried:..... UNION CHAPEL RD
9A. Location:..... 00.10 N OF OTTERBEIN RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 04' 42.38"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00017
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... L-24
11B. Mile Point (under):.....
17. Longitude:..... 086° 06' 40.92"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 201 A (CRCS - 201A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 004
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1991
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000320 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000530 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 013 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0049.5 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 032.0 ft.
32. Approach Roadway Width:..... 023.0 ft.
34. Skew:..... 07 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 032.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00177.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 035.0 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100025
 Facility Carried: UNION CHAPEL RD

Bridge Number: 31-00038
 Feature(s) Intersected: BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - POPOUTS, HL CRACKS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LT. SUR. WEAR, SMALL POPOUTS	CONCRETE	7
59. Superstructure:.....	GOOD - HL CRACKS W/ LEACHING	REINF CONC SLAB	7
60. Substructure:.....	GOOD - TOP END BOTTOM FTG EXPOSED	CONCRETE CAP ON PILES	7
61. Channel:.....	GOOD - RIPRAP DAMS	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - JOINTS OPENING	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - POPOUTS & LT SCALING ON DECK, HAIRLINE CRACKS	7	7
68. Geometry:..... BETTER THAN PRESENT MINIMUM CRITERIA	7	7
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		
72. Roadway Alignment:..... IN HORIZONTAL CURVE, CREST VC TO SOUTH, SAG VC TO NORTH		
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:..... A (CONCRETE BARRIER RAIL)		
113A. Scour Critical Bridge:.....		5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100025
Facility Carried: UNION CHAPEL RD

Bridge Number: 31-00038
Feature(s) Intersected: BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000530 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, PLACING BEM'S, REMOVING RIPRAP DAMS DOWNSTREAM, AND CLEARING SMALL TEES FROM WATERWAY OPENINGS.

596. Total Project Cost:..... \$000004 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:.....	20 Years	SUFFICIENCY RATING 99.7	99.7
	B: Deck:.....	40 Years	Functionally Obsolete: N	N
	C: Joints:.....	NA Years	Structurally Deficient: N	N
	D: Superstructure:.....	40 Years		
	E: Substructure:.....	45 Years		
	F: Approach:.....	13 Years		
	G: Channel:.....	30 Years		
	H: Culvert:.....	NA Years		

REMARKS

TRANSVERSE CRACKS OVER PIERS ON DECK WITH LIGHT SURFACE WEAR AND SMALL POPOUTS. VERTICAL HAIRLINE CRACKS IN COPINGS OVER PIERS WITH EFFLORESCENCE. WATER SEEPAGE ONTO BRIDGE SEATS AT NORTH AND SOUTH BENTS. VERTICAL FULL HEIGHT HAIRLINE CRACKS AT PIERS 1 AND 2. SMALL TREES GROWING IN WATERWAY OPENING. JOINTS OPENING BETWEEN BITUMINOUS AND BRIDGE ENDS. RIPRAP DAMS DOWNSTREAM RESTRICT FLOW OF CHANNEL.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



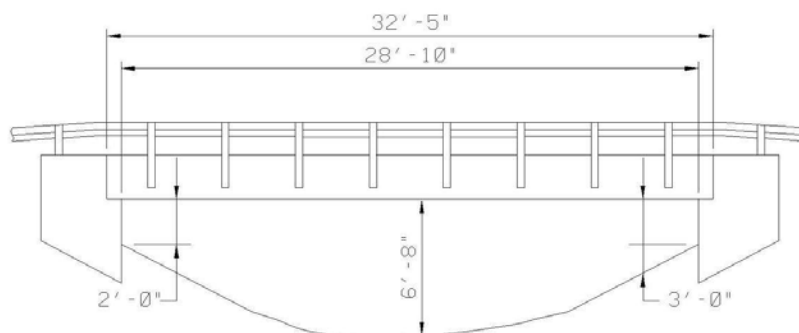
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00039
ST PETERS CHURCH R over NO NAME CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100026
Facility Carried: ST PETERS CHURCH R

Bridge Number: 31-00039
Feature(s) Intersected: NO NAME CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100026
8L. County Bridge Number:..... 00039
8X. Structure Name:.....
5A. Inventory Route On:..... 142001730
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... NO NAME CREEK
7. Facility Carried:..... ST PETERS CHURCH R
9A. Location:..... 00.10 S OF TURLEY RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 11' 42.67"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00173
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... R-16
11B. Mile Point (under):.....
17. Longitude:..... 086° 00' 51.76"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1990
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 001410 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 002320 VPD
109. Average Truck Traffic:..... 04 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 003 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0028.8 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.2 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 15 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.2 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00032.4 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100026	Bridge Number: 31-00039
Facility Carried: ST PETERS CHURCH R	Feature(s) Intersected: NO NAME CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - SMALL SPALLS @ ENDS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
59. Superstructure:.....	GOOD - LIGHT SPALLS	PCBB	7
60. Substructure:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE ON PILES	8
61. Channel:.....	GOOD - AGGREDATION	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED, CRACKS, WEDGED	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - SMALL SPALL AT BOTTOM NEAR END OF BEAM #4		7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	NEARLY TANGENT, CREST VC EACH WAY			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100026
Facility Carried: ST PETERS CHURCH R

Bridge Number: 31-00039
Feature(s) Intersected: NO NAME CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 002320 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000011 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	17 Years	SUFFICIENCY RATING	79.6	79.6
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	35 Years			
	F: Approach:.....	05 Years			
	G: Channel:.....	35 Years			
	H: Culvert:.....	NA Years			

REMARKS

LIGHT SURFACE WEAR ON DECK. BEAM 4 HAS TWO SHALLOW SPALLS NEAR THE NORTH BENT. WATER SEEPAGE ONTO BRIDGE SEATS. AGGREDATION AND SILT BUILD UP IN CHANNEL, UPSTREAM IS OVERGROWN WITH VEGETATION. APPROACHES ARE SETTLING AND CRACKING.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



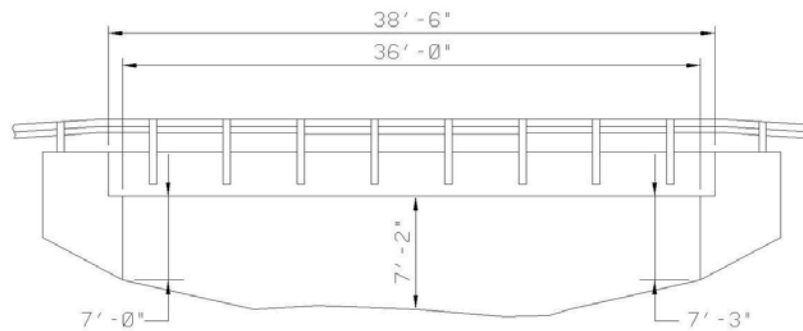
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00040
 ST PETERS CHURCH R over BRANCH OF INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100027
Facility Carried: ST PETERS CHURCH R

Bridge Number: 31-00040
Feature(s) Intersected: BRANCH OF INDIAN CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100027
8L. County Bridge Number:..... 00040
8X. Structure Name:.....
5A. Inventory Route On:..... 142001730
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BRANCH OF INDIAN CREEK
7. Facility Carried:..... ST PETERS CHURCH R
9A. Location:..... 00.10 S OF SR 62
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 13' 16.57"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00173
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... R-14
11B. Mile Point (under):.....
17. Longitude:..... 086° 00' 30.26"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1990
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 001410 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 002320 VPD
109. Average Truck Traffic:..... 04 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 007 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0036.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.2 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 30 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.2 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00038.5 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.3 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100027	Bridge Number: 31-00040
Facility Carried: ST PETERS CHURCH R	Feature(s) Intersected: BRANCH OF INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - CRACKED OVER BEAM JOINTS	.....CONCRETE	7
58.01 Wearing Surface:.....GOOD - LIGHT SURFACE WEAR	.....CONCRETE	7
59. Superstructure:.....GOOD - EXPOSED STRAP	.....PCBB	7
60. Substructure:.....SATIS - HAIRLINE CRACKS	.....CONCRETE ABUTMENT	6
61. Channel:.....SATIS - AGGREDATION	.....RIPRAP	6
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....SATIS - CRACKED & SETTLED	.....BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....SATIS - TOP OF NORTH FOOTING EXPOSED, HAIRLINE CRACKS	6	6
68. Geometry:.....MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE	4	4
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		7
72. Roadway Alignment:.....CREST VC TO S, HORIZONTAL CURVE S, DRIVE NE		6
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100027
Facility Carried: ST PETERS CHURCH R

Bridge Number: 31-00040
Feature(s) Intersected: BRANCH OF INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 002320 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S AND BRIDGE AND APPROACH GUARDRAIL.

596. Total Project Cost:..... \$000012 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:..... 11 Years	SUFFICIENCY RATING	79.1	79.2
	B: Deck:..... 20 Years	Functionally Obsolete:	N	N
	C: Joints:..... NA Years	Structurally Deficient:	N	N
	D: Superstructure:..... 40 Years			
	E: Substructure:..... 40 Years			
	F: Approach:..... 05 Years			
	G: Channel:..... 30 Years			
	H: Culvert:..... NA Years			

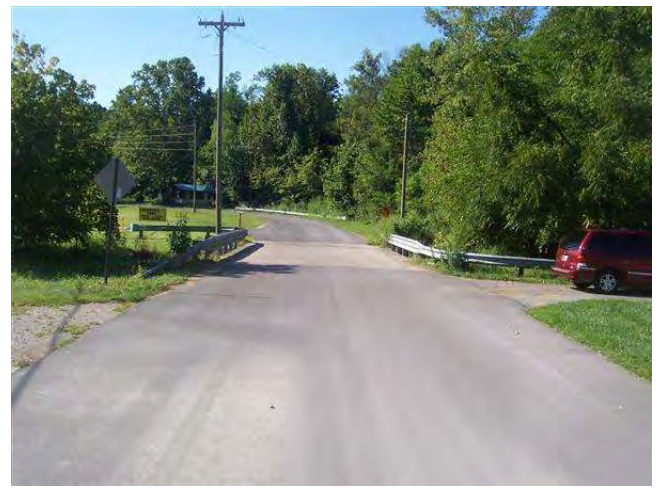
REMARKS

POPOUTS AND SMALL SPALLS WITH LONGITUDNAL HAIRLINE CRACKS IN DECK. TRANSVERSE REINFORCEMENT VISIBLE AT MIDSPAN OF BEAM 3. 5 VERTICAL HAIRLINE CRACKS IN SOUTH BENT, 7 VERTICAL HAIRLINE CRACKS IN NORTH BENT. TOP OF FOOTING EXPOSED AT NORTH BENT. AGGREDATION AND FALLEN TREES IN CHANNEL. APPROACHES SETTLED AT BOTH ENDS OF BRIDGE.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



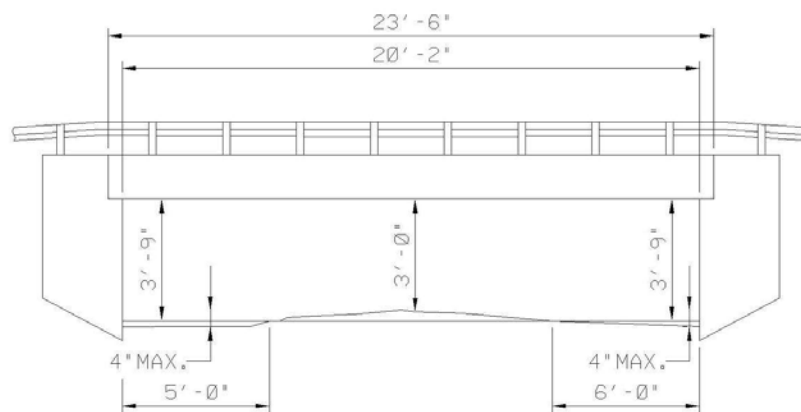
LOOKING SOUTH ON ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00041
SANDY BRANCH RD over BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100079
Facility Carried: SANDY BRANCH RD

Bridge Number: 31-00041
Feature(s) Intersected: BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100079
8L. County Bridge Number:..... 00041
8X. Structure Name:.....
5A. Inventory Route On:..... 142000280
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BUCK CREEK
7. Facility Carried:..... SANDY BRANCH RD
9A. Location:..... 00.10 S OF SR 11
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 07' 11.96"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00028
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... T-21
11B. Mile Point (under):.....
17. Longitude:..... 085° 58' 18.99"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 101 A (RCS - 101A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1997
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000670 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 001100 VPD
109. Average Truck Traffic:..... 04 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 005 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0020.2 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 023.9 ft.
32. Approach Roadway Width:..... 024.0 ft.
34. Skew:..... 20 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 023.9 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00023.5 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.4 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100079
 Facility Carried: SANDY BRANCH RD

Bridge Number: 31-00041
 Feature(s) Intersected: BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE	8
58.01 Wearing Surface:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE	8
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	REINF CONC SLAB	8
60. Substructure:.....	GOOD - HAIRLINE CRACKS	CONCRETE	7
61. Channel:.....	GOOD - AGGREDATION	RIPRAP AND GABIONS	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE/BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - NO PROBLEMS NOTED		7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	HORIZONTAL CURVE S, IN SLIGHT CREST VC			7
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)		
36B. Traffic Safety Features (Transitions):.....		0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)		
36D. Traffic Safety Features (Approach Guardrail Ends):.....		1 (MEETS CURRENT SAFETY STANDARDS)		
36X. Bridge Rail Type:.....				Q (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100079
Facility Carried: SANDY BRANCH RD

Bridge Number: 31-00041
Feature(s) Intersected: BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 001100 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING BRIDGE RAIL TRANSITIONS, B.E.M. AT NORTHEAST CORNER, AND REMOVING ROCK SILT BUILD UP IN EAST WATERWAY OPENING.

596. Total Project Cost:..... \$000002 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	22 Years	SUFFICIENCY RATING	88.8	88.8
	B: Deck:.....	40 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	40 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

TWO SMALL SPALLS AT NORTH END OF BRIDGE AT JOINT WITH APPROACH SLAB. LIGHT HONEYCOMBING OF CONCRETE SLAB. TOPS OF FOOTINGS EXPOSED. HAIRLINE VERTICAL CRACKS ON BOTH BENTS AND NORTH AND SOUTH ABUTMENTS. AGGREGATION PUSHES FLOW AGAINST BENT FOOTINGS. NEW BITUMINOUS APPROACHES SINCE LAST INSPECTION.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



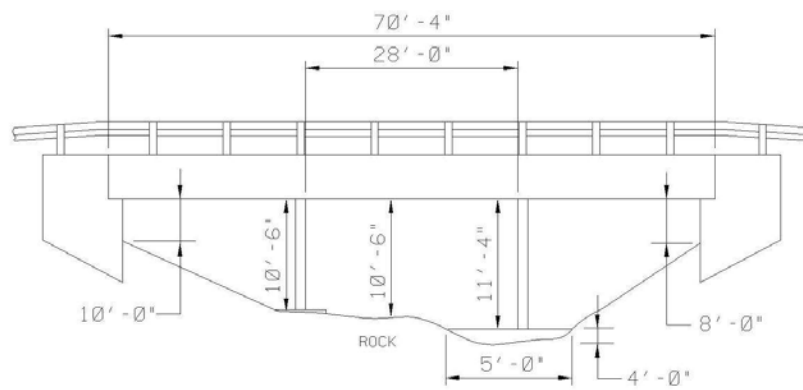
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00042
 ROSEWOOD RD over MOSQUITO CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100028
Facility Carried: ROSEWOOD RD

Bridge Number: 31-00042
Feature(s) Intersected: MOSQUITO CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100028
8L. County Bridge Number:..... 00042
8X. Structure Name:.....
5A. Inventory Route On:..... 142001330
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... MOSQUITO CREEK
7. Facility Carried:..... ROSEWOOD RD
9A. Location:..... 00.50 N OF BUENA VISTA RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 03' 47.05"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00133
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... T-25
11B. Mile Point (under):.....
17. Longitude:..... 085° 57' 57.35"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 201 A (CRCS - 201A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 003
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1983
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000430 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000710 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 007 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0028.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.2 ft.
32. Approach Roadway Width:..... 022.0 ft.
34. Skew:..... 25 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.2 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00070.3 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 026.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100028
 Facility Carried: ROSEWOOD RD

Bridge Number: 31-00042
 Feature(s) Intersected: MOSQUITO CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - POPOUTS, MOD. SURF. WEAR	.....CONCRETE	7
58.01 Wearing Surface:.....SATIS - MOD. SURF. WEAR	.....CONCRETE	6
59. Superstructure:.....GOOD - DELAMS @ COPINGS	.....CONTINUOUS REINF CONC SLAB	7
60. Substructure:.....GOOD - HAIRLINE VERTICAL CRACKS	.....CONCRETE ABUTMENT	7
61. Channel:.....GOOD - AGGREDATION	.....NATURAL	7
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....GOOD - CRACKING @ BRIDGE	.....BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....GOOD - HAIRLINE CRACKS, DELAMINATIONS UNDER COPINGS	7	7
68. Geometry:.....BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	4	5
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		7
72. Roadway Alignment:.....IN SAG VC, HORIZONTAL CURVE NORTH		6
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100028
Facility Carried: ROSEWOOD RD

Bridge Number: 31-00042
Feature(s) Intersected: MOSQUITO CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000710 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000014 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	13 Years	SUFFICIENCY RATING	85.8	86.8
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	30 Years			
	F: Approach:.....	10 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

MODERATE SURFACE WEAR IN DECK. DELAMINATIONS UNDER COPINGS INSIDE OF DRIP BEAD IN WEST SPAN AND CENTER SPAN. TRANSVERSE CRACKS IN SURFACE OVER PIERS. HAIRLINE VERTICAL CRACKS IN EAST AND WEST BENTS. TOPS OF FOOTINGS EXPOSED AT PIER 2 AND 3. PIER FOOTINGS KEYED INTO ROCK. DEBRIS AND LIMB BUILD UP AT PIER 2, FALLEN TREES IN CHANNEL. TREES GROWING IN WATERWAY OPENINGS.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



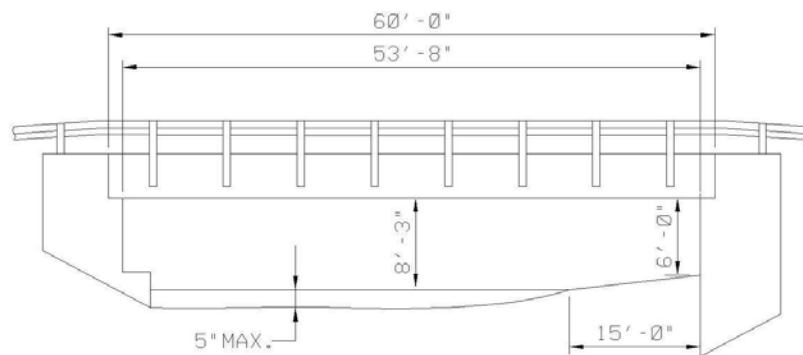
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00043
 ST JOHN CHURCH RD over BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100030
Facility Carried: ST JOHN CHURCH RD

Bridge Number: 31-00043
Feature(s) Intersected: BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100030
8L. County Bridge Number:..... 00043
8X. Structure Name:.....
5A. Inventory Route On:..... 142000450
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... BUCK CREEK
7. Facility Carried:..... ST JOHN CHURCH RD
9A. Location:..... 00.10 N OF BLACK CREEK RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 10' 53.39"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00045
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... T-17
11B. Mile Point (under):.....
17. Longitude:..... 085° 58' 39.60"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 2 (CONCRETE PRECAST)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1988
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000140 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000230 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 016 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0053.7 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.3 ft.
32. Approach Roadway Width:..... 021.0 ft.
34. Skew:..... 30 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.3 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00060.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.3 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100030
 Facility Carried: ST JOHN CHURCH RD

Bridge Number: 31-00043
 Feature(s) Intersected: BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - TOP BEAM MOD. WEAR	CONCRETE	6
58.01 Wearing Surface:.....	SATIS - MOD SURF. WEAR @ ENDS	CONCRETE	6
59. Superstructure:.....	GOOD - SMALL DELAM. AND CRACKS	PCBB	7
60. Substructure:.....	GOOD - HL VERTICAL CRACKS	CONCRETE ABUTMENT	7
61. Channel:.....	SATIS - AGGREDATION	NATURAL	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - MODERATE WEAR AND CRACKS ON TOP OF BEAMS		7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	IN CREST VC, HORIZONTAL CURVE N, "T" INTERSECTION			6
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100030
Facility Carried: ST JOHN CHURCH RD

Bridge Number: 31-00043
Feature(s) Intersected: BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000230 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND PLACING A PROTECTIVE WEARING SURFACE.

596. Total Project Cost:..... \$000035 x 1000

INSPECTION DATA

90. Date:..... 08/20/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:..... 6 Years	SUFFICIENCY RATING	91.3	91.3
	B: Deck:..... 20 Years	Functionally Obsolete:	N	N
	C: Joints:..... NA Years	Structurally Deficient:	N	N
	D: Superstructure:..... 20 Years			
	E: Substructure:..... 40 Years			
	F: Approach:..... 15 Years			
	G: Channel:..... 45 Years			
	H: Culvert:..... NA Years			

REMARKS

NO PROTECTIVE WEARING SURFACE OVER BEAMS. BEAMS ARE SHOWING WEAR FROM TRAFFIC. TRANSVERSE HAIRLINE CRACKS ON TOPS OF BEAMS. BEAM 1 HAS SMALL DELAMINATION AND HAIRLINE CRACKS ON EAST EDGE 13' FROM NORTH BENT. VERTICAL FULL HEIGHT HAIRLINE CRACKS IN NORTH AND SOUTH BENTS. AGGREDATION AND MODERATE BANK EROSION IN THE CHANNEL. APPROACHES ARE CRACKING AND SETTLING AT BRIDGE ENDS.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



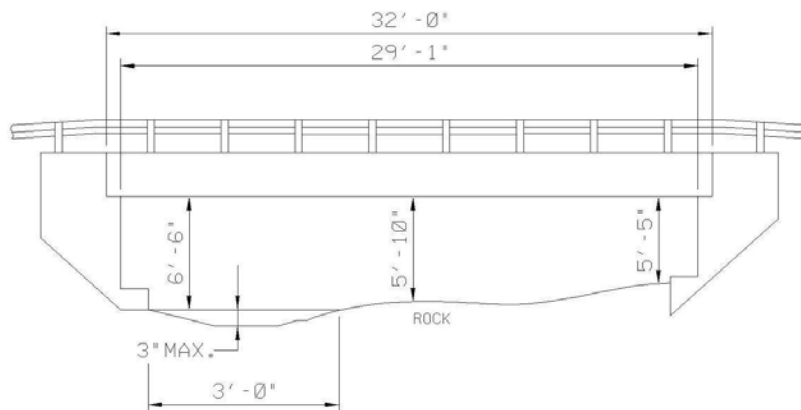
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00046
 BUENA VISTA RD over MOSQUITO CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100029
Facility Carried: BUENA VISTA RD

Bridge Number: 31-00046
Feature(s) Intersected: MOSQUITO CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100029
8L. County Bridge Number:..... 00046
8X. Structure Name:.....
5A. Inventory Route On:..... 142000240
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... MOSQUITO CREEK
7. Facility Carried:..... BUENA VISTA RD
9A. Location:..... 01.30 W OF ROSEWOOD RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 03' 27.22"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00024
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... S-25
11B. Mile Point (under):.....
17. Longitude:..... 085° 58' 44.00"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 101 A (RCS - 101A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1960
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000100 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000160 VPD
109. Average Truck Traffic:..... 00 % Trucks
106A. Reconstructed:..... 1991
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 008 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0029.1 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.0 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 45 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00032.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.0 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100029	Bridge Number: 31-00046
Facility Carried: BUENA VISTA RD	Feature(s) Intersected: MOSQUITO CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
59. Superstructure:.....	GOOD - NO PROBLEMS NOTED	REINF CONC SLAB	7
60. Substructure:.....	GOOD - HAIRLINE VERTICAL CRACKS	CONCRETE ABUTMENT	7
61. Channel:.....	GOOD - AGGREGATION	NATURAL AND GABIONS	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - UNEVEN	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - HAIRLINE VERTICAL ABUTMENT CRACKS		7	7
68. Geometry:.....	EQUAL TO PRESENT MINIMUM CRITERIA		6	6
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	HORIZONTAL CURVE EACH WAY, IN CREST VC TO E			6
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100029
Facility Carried: BUENA VISTA RD

Bridge Number: 31-00046
Feature(s) Intersected: MOSQUITO CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000160 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, CURVE WARNING SIGNS AND NARROW BRIDGE SIGNS.

596. Total Project Cost:..... \$000012 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	97.0	97
	B: Deck:.....	45 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	45 Years			
	E: Substructure:.....	45 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

SMALL POPOUTS IN DECK WITH LIGHT SURFACE WEAR. VERTICAL HAIRLINE CRACKS IN EAST AND WEST BENTS. FOOTINGS EXPOSED AND KEYED INTO ROCK AT EAST AND WEST BENTS. VERTICAL CRACKS IN NORTHEAST WINGWALL. AGGREGATION AND SMALL TREES IN CHANNEL. JOINT OPENING AT ENDS OF BRIDGE.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



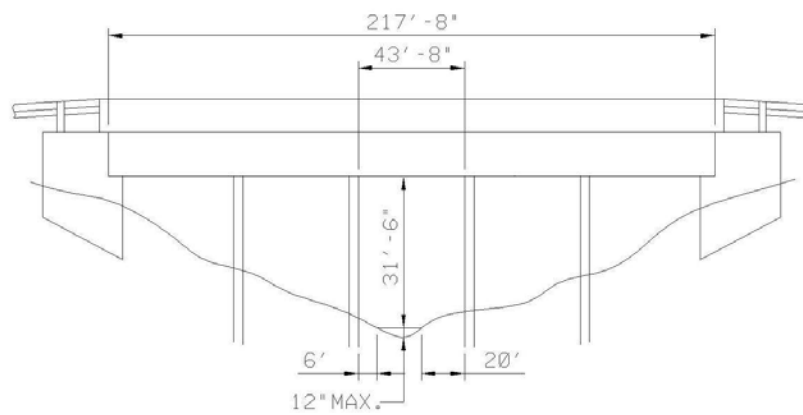
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING N AT SPALLS, DELAMS ON PIER 3 COLUMNS



HARRISON COUNTY - BRIDGE NO. 00050
RIVER RD over LICK RUN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100031
Facility Carried: RIVER RD

Bridge Number: 31-00050
Feature(s) Intersected: LICK RUN CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100031
8L. County Bridge Number:..... 00050
8X. Structure Name:.....
5A. Inventory Route On:..... 141000710
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... LICK RUN CREEK
7. Facility Carried:..... RIVER RD
9A. Location:..... 00.10 E OF WALNUT ST
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 01' 18.59"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00071
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... F-28
11B. Mile Point (under):.....
17. Longitude:..... 086° 12' 00.05"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 204 (CCTB - 204)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 005
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1955
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000500 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000820 VPD
109. Average Truck Traffic:..... 06 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 004 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0043.7 ft.
50A. Sidewalk/Curb Left:..... 01.9 ft.
51. Bridge Roadway Width:..... 028.0 ft.
32. Approach Roadway Width:..... 022.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 028.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00217.7 ft.
50B. Sidewalk/Curb Right:..... 01.9 ft.
52. Deck Width (O-O):..... 033.8 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100031
 Facility Carried: RIVER RD

Bridge Number: 31-00050
 Feature(s) Intersected: LICK RUN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - PATCHES DELAMINATING	CONCRETE	6
58.01 Wearing Surface:.....	SATIS - JOINTS OPEN	CONCRETE	6
59. Superstructure:.....	SATIS - EFFL., RUST STAINS, DELAMS	CONC TEE BEAM	6
60. Substructure:.....	SATIS - CRACKS, SPALLS	CONCRETE CAP ON PILES	6
61. Channel:.....	SATIS - SCOUR AT PIERS	NATURAL	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKING	CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 0 (UNKNOWN)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 42	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 29	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 16 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	STATIS - BOTTOM DECK AND PILE ENCASEMENT SPALLS		6	6
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			6
72. Roadway Alignment:.....	IN HORIZONTAL CURVE, NEARLY ON GRADE, SUPERELEVATED			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....	F (MISC. CONCRETE RAILING)			
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100031
Facility Carried: RIVER RD

Bridge Number: 31-00050
Feature(s) Intersected: LICK RUN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000820 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL, INSTALLING JOINT MATERIAL OVER PIERS, PATCHING SPALLS AND DELAMINATIONS IN PIER COLUMNS, AND BACKFILLING AND PROTECTING NORTHEAST CORNER OF EAST BENT AND APPROACH.

596. Total Project Cost:..... \$000011 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:.....	12 Years	SUFFICIENCY RATING 91.0	90.7
	B: Deck:.....	15 Years	Functionally Obsolete: N	N
	C: Joints:.....	10 Years	Structurally Deficient: N	N
	D: Superstructure:.....	15 Years		
	E: Substructure:.....	25 Years		
	F: Approach:.....	20 Years		
	G: Channel:.....	15 Years		
	H: Culvert:.....	NA Years		

REMARKS

MONITOR DELAMINATION IN DECK PATCHES. SPALLS AND POPOUTS ON SURFACE OF DECK. DIAPHRAGMS DETERIORATED OVER PIER #1. DELAM ON BOTTOM OF BEAM #5 AT PIER #2. DELAMINATIONS AND SPALLS ON PIERS #2, #4, AND #5 WITH SOME EXPOSED REINFORCEMENT. RIPRAP IS SILTED IN, SLOPE EROSION AT BENT #6 AT NORTHEAST CORNER. EROSION AT NORTHEAST CORNER OF BRIDGE.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



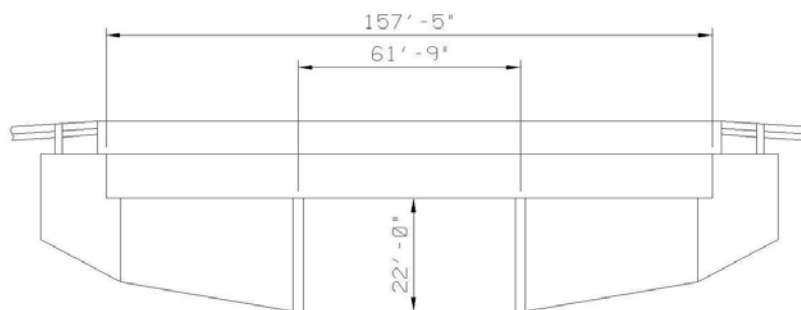
LOOKING EAST ON ROAD



LOOKING NORTH FROM ROAD



LOOKING SOUTH FROM ROAD



STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100081
Facility Carried: RIVER RD

Bridge Number: 31-00051
Feature(s) Intersected: PRIVATE HAUL RD

IDENTIFICATION

1. State:.....	185 (INDIANA)	8S. INDOT Bridge Number:.....	
8. NBI Number:.....	3100081	8SD. INDOT Bridge Desig:.....	
8L. County Bridge Number:.....	00051	8C. Old Bridge No:.....	
8X. Structure Name:.....		8E. New Bridge No:.....	
5A. Inventory Route On:.....	141000710	5B. Road Number On:.....	00071
5A. Inventory Route Under:.....	286000000	5B. Road Number Under:.....	00000
2. District:.....	05 (SEYMOUR)	4. City/Town:.....	00000 (N/A)
3. County:.....	031 (HARRISON)	98. Border Bridge:.....	
6. Feat Intersected:.....	PRIVATE HAUL RD	99. Border Bridge Number:.....	
7. Facility Carried:.....	RIVER RD	9C. Map Location:.....	C-25
9A. Location:.....	00.60 N OF WESLEY CHAPEL RD	11B. Mile Point (under):.....	0000.000
11A. Mile Point (over):.....	0000.000	17. Longitude:.....	086° 15' 43.73"
16. Latitude:.....	38° 03' 43.02"		

STRUCTURE DATA

43A. Structure Type - Main Span:.....	606 (CPCBB - 605)	44A. Structure Type - Approach:.....	000
43C. Main Span Widening Type:.....		44C. Other Approach Types:.....	N
45. Number of Spans - Main:.....	003	46. Number of Spans - Approach:.....	0000
107. Deck Structure Type:.....	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:.....	NONE
108A. Wearing Surface:.....	1 (CONCRETE)	108D. Thickness of Asphalt:.....	00.00 Inches
108C. Protection:.....	0 (NONE)		

AGE OF SERVICE

27A. Year Built:.....	1999	106A. Reconstructed:.....	0000
27B. Paint Date:.....		106B. Repaired:.....	0000
59B. Paint Rating:.....	N	59C. Tons Steel:.....	
42A. Type of Service Over:.....	1 (HIGHWAY)	42B. Type of Service Under:.....	1 (HIGHWAY)
28A. Lanes on Structure:.....	02	28B. Lanes Under Structure:.....	02
29A. ADT - Over:.....	000190 VPD	30A. ADT Year Over:.....	2013
29B. ADT - Under:.....	000010 VPD	30B. ADT Year Under:.....	2006
114. Future ADT:.....	000310 VPD	115. Future ADT Year:.....	2033
109. Average Truck Traffic:.....	05 % Trucks	19. Bypass Detour Length:.....	009 mi.

GEOMETRIC DATA

48. Maximum Span Length:.....	0061.7 ft.	49. Structure Length:.....	00157.4 ft.
50A. Sidewalk/Curb Left:.....	00.0 ft.	50B. Sidewalk/Curb Right:.....	00.0 ft.
51. Bridge Roadway Width:.....	027.8 ft.	52. Deck Width (O-O):.....	030.8 ft.
32. Approach Roadway Width:.....	020.0 ft.	33. Bridge Median:.....	0 (NO MEDIAN)
34. Skew:.....	00 Degree(s)	35. Structure Flared:.....	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:.....	15' 00"	10B. Defense Vertical Clearance - Under:.....	22' 03"
47A. Total Horiz. Clearance Over East/North:.....	027.8 ft.	47B. Total Horiz. Clearance Over West/South:.....	ft.
47C. Total Horiz. Clearance Over East/North (First Underf	059.7 ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):..	ft.
53. Vertical Clearance/Deck:.....	15' 00"		
55B. Lateral Right:.....	018.3 ft.	54B. Underclearance:.....	22' 03"
55A. Min Latr. Cl. Right - Code:.....	H	54A. Min Vert Clear Code:.....	H
56. Lateral Left:.....	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100081	Bridge Number: 31-00051
Facility Carried: RIVER RD	Feature(s) Intersected: PRIVATE HAUL RD

NAVIGATION

38. Navigational Control:..... N	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:..... 0
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:..... 09	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - GRAVEL IN GUTTERS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LONG. SURFACE CRACKS	CONCRETE	7
59. Superstructure:.....	GOOD - PATCHED SPALLS	CONTINUOUS PCBB	7
60. Substructure:.....	GOOD - HONEYCOMBED	CONCRETE	7
61. Channel:.....	N/A	N/A	N
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	SATIS - CRACKS	CONCRETE/BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

		Unofficial	Official
67. Structural:.....	GOOD - SMALL SPALLS ON RAILING, BEAM, & COPINGS	7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	6	6
69. Underclearance:.....	SUPERIOR TO PRESENT DESIREABLE CRITERIA	9	9
71. Waterway Adequacy:.....	NOT APPLICABLE		N
72. Roadway Alignment:.....	TANGENT, IN CREST VC		7
36A. Traffic Safety Features (Bridge Railings):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36C. Traffic Safety Features (Approach Guardrail):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:.....	A (CONCRETE BARRIER RAIL)		
113A. Scour Critical Bridge:.....			N (N/A)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100081
Facility Carried: RIVER RD

Bridge Number: 31-00051
Feature(s) Intersected: PRIVATE HAUL RD

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000310 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND UNDERPINNING THE APPROACH SLABS WHERE FILL HAS SETTLED, AND INSTALLING B.E.M'S.

596. Total Project Cost:..... \$000002 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING	99.9	99.9
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	55 Years			
	E: Substructure:.....	55 Years			
	F: Approach:.....	10 Years			
	G: Channel:.....	NA Years			
	H: Culvert:.....	NA Years			

REMARKS

ADDITIONAL STONE WAS PLACED AT CORNERS OF APPROACH SLABS. DOES NOT APPEAR THAT ANY FILL WAS PLACED UNDER THE APPROACH SLABS TO FILL THE GAPS. POPOUTS AND HAIRLINE CRACKS WITH EFFLORESCENCE UNDER COPINGS ON DECK. IMPACT DAMAGE ON S COPING SPAN 2 WITH NO EXPOSED REINFORCEMENT. TWO PATCHED SPALLS ON BEAM 4 AT CENTER SPAN FROM VEHICLE DAMAGE, ONE SPALL ON BEAM 1 AT SPAN 2.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



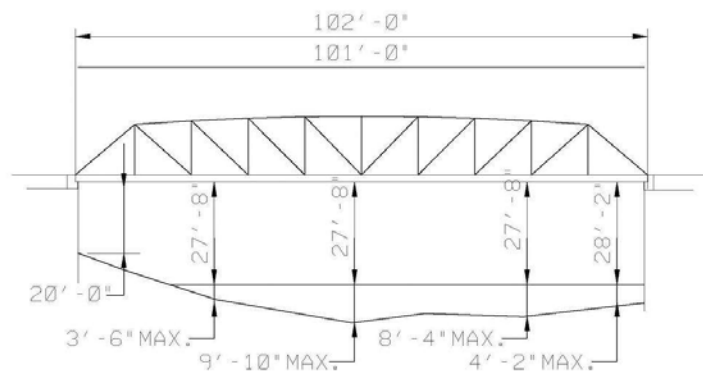
LOOKING SOUTH ON ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00055
 LICKFORD BRIDGE RD over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100034
Facility Carried: LICKFORD BRIDGE RD

Bridge Number: 31-00055
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100034
8L. County Bridge Number:..... 00055
8X. Structure Name:.....
5A. Inventory Route On:..... 142000200
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... INDIAN CREEK
7. Facility Carried:..... LICKFORD BRIDGE RD
9A. Location:..... 00.10 NW OF BLUE SPRING RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 07' 32.85"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00020
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... D-21
11B. Mile Point (under):.....
17. Longitude:..... 086° 14' 50.73"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 310 A (SPT - 310A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 3 (OPEN GRATING)
108A. Wearing Surface:..... 9 (OTHER)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1920
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 01
29A. ADT - Over:..... 000030 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000050 VPD
109. Average Truck Traffic:..... 00 % Trucks
106A. Reconstructed:..... 2008
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 199 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0101.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 012.2 ft.
32. Approach Roadway Width:..... 012.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 012.2 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00102.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 012.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100034	Bridge Number: 31-00055
Facility Carried: LICKFORD BRIDGE RD	Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 3 (ONE LANE BRIDGE FOR 2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	VERY GOOD - NO PROBLEMS NOTED	STEEL GRID (OPEN)	8
58.01 Wearing Surface:.....	VERY GOOD - NO PROBLEMS NOTED	STEEL GRID	8
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	STEEL PONY TRUSS	8
60. Substructure:.....	SATIS - MINOR CRACKS IN STONE/MORTAR	STONE ABUTMENT	6
61. Channel:.....	SATIS - SCOUR @ S. ABUTMENT	NATURAL	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	SATIS - UNEVEN	CONCRETE/BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:.. R (POSTED FOR OTHER THAN LOAD)	
66C. Tons Posted:.....	66D. Date Posted/Closed:..... 09/01/2008
Restriction Signage:.....	

APPRAISAL

	COMMENTS	Unofficial	Official
67. Structural:.....	GOOD - NO PROBLEMS NOTED	6	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE	4	4
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	ADEQUATE		6
72. Roadway Alignment:.....	SAG VC & HORIZONTAL CURVE N, "T" INT & CREST VC S		4
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....	H (MISC. STEEL RAILINGS)		
113A. Scour Critical Bridge:.....	3 (SCOUR CRITICAL)		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100034
Facility Carried: LICKFORD BRIDGE RD

Bridge Number: 31-00055
Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000050 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND PLACING A ONE LANE BRIDGE SIGN AT END, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL.

596. Total Project Cost:..... \$000016 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... Y 24 B:..... Y 60 C:..... N
93. Date: A:..... 12/05/2012 B:..... 11/04/2010 C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	25 Years	SUFFICIENCY RATING	67.6	67.7
	B: Deck:.....	25 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	20 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	10 Years			
	H: Culvert:.....	NA Years			

REMARKS

SCOUR AT EAST ABUTMENT IS PROTECTED WITH RIPRAP AND WILL CONTINUE TO BE MONITORED. NEW SUPERSTRUCTURE CONSTRUCTED ON EXISTING ABUTMENTS SPRING 2008.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



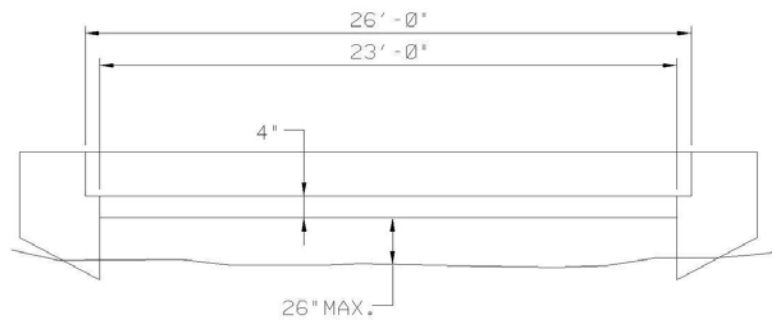
LOOKING SOUTH ON ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00056
ROCKY HOLLOW RD over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100065
Facility Carried: ROCKY HOLLOW RD

Bridge Number: 31-00056
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100065	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00056	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142004510	5B. Road Number On:	00451
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	ROCKY HOLLOW RD	9C. Map Location:	D-20
9A. Location:	00.50 W OF LICKFORD BR. RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 13' 53.54"
16. Latitude:	38° 07' 40.40"		

STRUCTURE DATA

43A. Structure Type - Main Span:	302 D (SB - 302D)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1950	106A. Reconstructed:	1990
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	8	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	01	28B. Lanes Under Structure:	00
29A. ADT - Over:	000070 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000120 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	00 % Trucks	19. Bypass Detour Length:	199 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0023.0 ft.	49. Structure Length:	00026.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	015.3 ft.	52. Deck Width (O-O):	016.3 ft.
32. Approach Roadway Width:	016.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	015.3 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100065	Bridge Number: 31-00056
Facility Carried: ROCKY HOLLOW RD	Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 3 (ONE LANE BRIDGE FOR 2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - TRANSVERSE CRACKS	CONCRETE SLAB	6
58.01 Wearing Surface:.....	SATIS - TRANSVERSE CRACKS	CONCRETE	6
59. Superstructure:.....	SATIS - HEAVY PITTING	SIMPLE STEEL BEAM	6
60. Substructure:.....	SATIS - SURFACE DETERIORATION	CONCRETE	6
61. Channel:.....	FAIR - DRIFT UNDER BRIDGE	NATURAL	5
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	SERIOUS - CRACKED, SETTLING	CONCRETE/BITUMINOUS	3

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... R (POSTED FOR OTHER THAN LOAD)	
66C. Tons Posted:.....	66D. Date Posted/Closed:..... 06/01/2008
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	SATIS - SLIGHT BEAM DEFLECTION, HEAVY PITTING ON TOP FLANGES	.....	6	6
68. Geometry:.....	BETTER THAN PRESENT MINIMUM CRITERIA	.....	7	7
69. Underclearance:.....	NOT APPLICABLE	.....	N	N
71. Waterway Adequacy:.....	INADEQUATE	.....		3
72. Roadway Alignment:.....	HORIZONTAL CURVE & CREST VC EACH END	.....		4
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				N (NO RAILING)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100065
Facility Carried: ROCKY HOLLOW RD

Bridge Number: 31-00056
Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000120 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND CLEARING DEBRIS FROM BRIDGE WATERWAY OPENING, STABILIZING EDGE OF CONCRETE APPROACH SLABS, INSTALLING STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND PLACING ONE LANE BRIDGE SIGNS AND CURVE WARNING SIGNS.

596. Total Project Cost:..... \$000013 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	75.2	75.3
	B: Deck:.....	18 Years	Functionally Obsolete:	Y	Y
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	23 Years			
	E: Substructure:.....	15 Years			
	F: Approach:.....	02 Years			
	G: Channel:.....	04 Years			
	H: Culvert:.....	NA Years			

REMARKS

TRANSVERSE CRACKS IN DECK WITH HEAVY RUST ON CORRUGATED METAL. PATCHES OF HEAVY PITTING ON STEEL BEAMS, HEAVY PITTING RUST ON TOP FLANGES, SLIGHT DEFLECTION IN BEAMS. TOPS OF FOOTINGS EXPOSED, LARGE SPALL WITH EXPOSED REINFORCEMENT AT NORTHEAST CORNER OF NORTH ABUTMENT. HEAVY AGGREGATION IN CHANNEL, LOGS AND DEBRIS RESTRICT MOST OF EAST WATERWAY OPENING. APPROACHES ARE CRACKING AND SETTLING WITH LOSS OF FILL. MONITOR APPROACHES FOR UNDERMINING AND SETTLEMENT.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



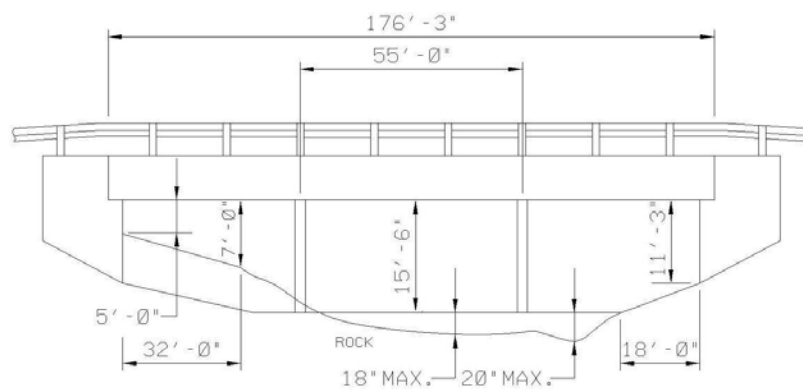
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00057
 MATHIS RD over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100035
Facility Carried: MATHIS RD

Bridge Number: 31-00057
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100035	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00057	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142001780	5B. Road Number On:	00178
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	MATHIS RD	9C. Map Location:	H-16
9A. Location:	00.10 W OF HOTTEL RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 10' 54.65"
16. Latitude:	38° 11' 25.91"		

STRUCTURE DATA

43A. Structure Type - Main Span:	606 (CPCBB-606-Spread)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2003	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000090 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000150 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	00 % Trucks	19. Bypass Detour Length:	008 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0055.0 ft.	49. Structure Length:	00176.2 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	025.2 ft.	52. Deck Width (O-O):	025.9 ft.
32. Approach Roadway Width:	018.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	20 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	025.2 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100035
 Facility Carried: MATHIS RD

Bridge Number: 31-00057
 Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE SLAB	8
58.01 Wearing Surface:..... VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE	8
59. Superstructure:.....VERY GOOD - NO PROBLEMS NOTED	.....PCBB	8
60. Substructure:.....VERY GOOD - HL CRACKS E ABUTMENT	.....CONCRETE ABUTMENT	8
61. Channel:.....VERY GOOD - NO PROBLEMS NOTED	.....RIPRAP	8
62. Culv/Ret:..... N/A	.....N/A	N
65. Approach Roadway:.....VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE/BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....VERY GOOD - NO PROBLEMS NOTED	8	8
68. Geometry:.....EQUAL TO PRESENT MINIMUM CRITERIA	6	6
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		8
72. Roadway Alignment:.....IN CREST VC, HORIZONTAL CURVE W AND E		7
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:.....		Q (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100035
Facility Carried: MATHIS RD

Bridge Number: 31-00057
Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000150 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, AND BRIDGE TRANSITIONS.

596. Total Project Cost:..... \$000002 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	25 Years	SUFFICIENCY RATING	100.0	100
	B: Deck:.....	45 Years	Functionally Obsolete:	N	N
	C: Joints:.....	12 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	55 Years			
	E: Substructure:.....	55 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	50 Years			
	H: Culvert:.....	NA Years			

REMARKS

SS JOINTS ARE FILLED WITH SAND. VERTICAL FULL HEIGHT HAIRLINE CRACK AT PIER 2 AND BENT 4, LIGHT SURFACE SCALING ON PIERS AND WEST BENT. AGGREGATION IN CHANNEL WITH DEBRIS AND FALLEN TREES AT PIER 2.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



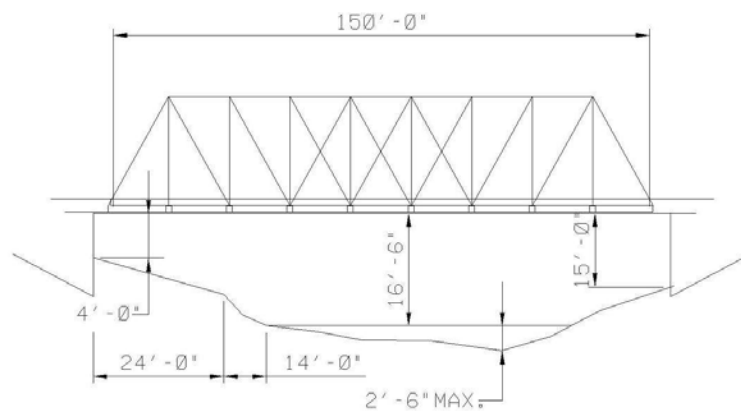
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00058
PEDESTRIAN TRAIL over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100087
Facility Carried: Pedestrian Trail

Bridge Number: 31-00058
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:.....	185 (INDIANA)	8S. INDOT Bridge Number:.....	
8. NBI Number:.....	3100087	8SD. INDOT Bridge Desig:.....	
8L. County Bridge Number:.....	00058	8C. Old Bridge No:.....	
8X. Structure Name:.....		8E. New Bridge No:.....	
5A. Inventory Route On:.....		5B. Road Number On:.....	
5A. Inventory Route Under:.....		5B. Road Number Under:.....	
2. District:.....	05 (SEYMOUR)	4. City/Town:.....	00000 (N/A)
3. County:.....	031 (HARRISON)	98. Border Bridge:.....	
6. Feat Intersected:.....	INDIAN CREEK	99. Border Bridge Number:.....	
7. Facility Carried:.....	Pedestrian Trail	9C. Map Location:.....	G-17
9A. Location:.....	00.80 SE OF BUSSABARGER RD	11B. Mile Point (under):.....	
11A. Mile Point (over):.....	0000.000	17. Longitude:.....	086° 11' 52.39"
16. Latitude:.....	38° 10' 41.42"		

STRUCTURE DATA

43A. Structure Type - Main Span:.....	310 B (STT - 310B)	44A. Structure Type - Approach:.....	000
43C. Main Span Widening Type:.....		44C. Other Approach Types:.....	N
45. Number of Spans - Main:.....	001	46. Number of Spans - Approach:.....	0000
107. Deck Structure Type:.....	3 (OPEN GRATING)	108B. Membrane:.....	NONE
108A. Wearing Surface:.....	9 (OTHER)	108D. Thickness of Asphalt:.....	00.00 Inches
108C. Protection:.....	0 (NONE)		

AGE OF SERVICE

27A. Year Built:.....	1899	106A. Reconstructed:.....	0000
27B. Paint Date:.....		106B. Repaired:.....	1993
59B. Paint Rating:.....	2	59C. Tons Steel:.....	
42A. Type of Service Over:.....	3 (PEDESTRIAN/BICYCLE)	42B. Type of Service Under:.....	5 (WATERWAY)
28A. Lanes on Structure:.....	00	28B. Lanes Under Structure:.....	00
29A. ADT - Over:.....	000000 VPD	30A. ADT Year Over:.....	2013
29B. ADT - Under:.....	VPD	30B. ADT Year Under:.....	
114. Future ADT:.....	000000 VPD	115. Future ADT Year:.....	2033
109. Average Truck Traffic:.....	00 % Trucks	19. Bypass Detour Length:.....	008 mi.

GEOMETRIC DATA

48. Maximum Span Length:.....	0150.0 ft.	49. Structure Length:.....	00150.0 ft.
50A. Sidewalk/Curb Left:.....	00.0 ft.	50B. Sidewalk/Curb Right:.....	00.0 ft.
51. Bridge Roadway Width:.....	013.7 ft.	52. Deck Width (O-O):.....	013.7 ft.
32. Approach Roadway Width:.....	020.0 ft.	33. Bridge Median:.....	0 (NO MEDIAN)
34. Skew:.....	00 Degree(s)	35. Structure Flared:.....	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:.....	17' 00"	10B. Defense Vertical Clearance - Under:.....	
47A. Total Horiz. Clearance Over East/North:.....	013.7 ft.	47B. Total Horiz. Clearance Over West/South:.....	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):.....	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):..	ft.
53. Vertical Clearance/Deck:.....	17' 00"		
55B. Lateral Right:.....	000.0 ft.	54B. Underclearance:.....	00' 00"
55A. Min Latr. Cl. Right - Code:.....	N	54A. Min Vert Clear Code:.....	N
56. Lateral Left:.....	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100087	Bridge Number: 31-00058
Facility Carried: Pedestrian Trail	Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:.....	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 0 (HIGHWAY TRAFFIC NOT CARRIED)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 3 (MAY BE ELIGIBLE FOR NATIONAL REGISTER)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - LIGHTLY WORN	.....STEEL GRID (OPEN)	7
58.01 Wearing Surface:.....GOOD - LIGHT RUST	.....STEEL GRID (OPEN)	7
59. Superstructure:.....FAIR - PACK RUST AND SECTION LOSS (TYP.)	.....STEEL THRU TRUSS	5
60. Substructure:.....GOOD - NO PROBLEMS NOTED	.....CONCRETE CAP ON STONE ABUTMENT	7
61. Channel:.....FAIR - TREES & BRUSH @ BRIDGE	.....NATURAL	5
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....VERY GOOD - NEW ASPHALT	.....BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 0 (UNKNOWN)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 23	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 15	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 09 Tons	
70. Bridge Posting:..... 3 (10.0)	
41. Open, Posted, or Closed:..... R (POSTED FOR OTHER THAN LOAD)	
66C. Tons Posted:.....	66D. Date Posted/Closed:..... 03/04/2013
Restriction Signage:.....	BOLLARDS HAVE BEEN PLACED RESTRICTING VEHICULAR TRAFFIC

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....POOR - PACK RUST AT LOWER CHORD/VERTICAL CONNECTIONS	4	4
68. Geometry:.....PEDESTRIAN BRIDGE - CLOSED TO TRAFFIC	N/A	2
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		6
72. Roadway Alignment:.....PEDESTRIAN TRAIL		N
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:..... H (MISC. STEEL RAILINGS)		
113A. Scour Critical Bridge:.....		5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100087
 Facility Carried: Pedestrian Trail

Bridge Number: 31-00058
 Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:..... 2013
 75. Type of Work:..... 35 (REHABILITATION) 1 (CONTRACT)

Describe Item 75:

RECOMMEND REINFORCING THE DETERIORATED TRUSS AND FLOOR SYSTEM MEMBERS, REPAIRING LOWER CHORD CONNECTIONS, AND PAINTING SUPERSTRUCTURE MEMBERS.

76. Improvement Length:..... 000150 ft.
 94. Bridge Improvement Costs:..... \$000070 x 1000
 95. Roadway Improvement Costs:..... \$000000 x 1000
 96. Total Project Cost:..... \$000070 x 1000
 97. Year of Cost Estimate:..... 2011
 114. Future ADT:..... 000230 VPD
 115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:.....

Describe Item 575:

NO WORK NEEDED.

596. Total Project Cost:..... \$000000 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
 92. Critical Feature Inspection: A:..... N B:..... N C:..... N
 93. Date: A:..... 09/17/2010 B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING	42.2	40
	B: Deck:.....	15 Years	Functionally Obsolete:	Y	Y
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	11 Years			
	E: Substructure:.....	20 Years			
	F: Approach:.....	10 Years			
	G: Channel:.....	20 Years			
	H: Culvert:.....	NA Years			

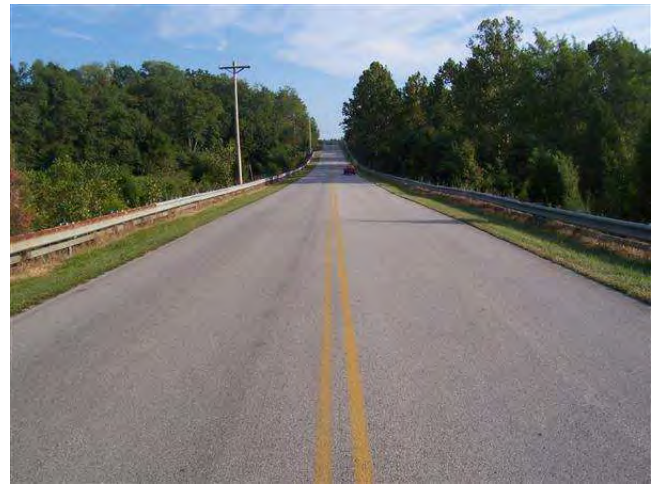
REMARKS

PACK RUST ON LOWER CHORD/VERTICAL CONNECTIONS, WEBS OF VERTICAL TRUSS MEMBERS RUSTED THRU, HOLES IN FLOOR BEAMS AND SOUTH UPPER CHORD. BYPASS BRIDGE HAS BEEN CONSTRUCTED TO NORTH. REHABILITATION PLANS IN PLACE FOR PAINTING AND REPAIRS. PUT BACK IN SERVICE AS A PEDESTRIAN BRIDGE.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



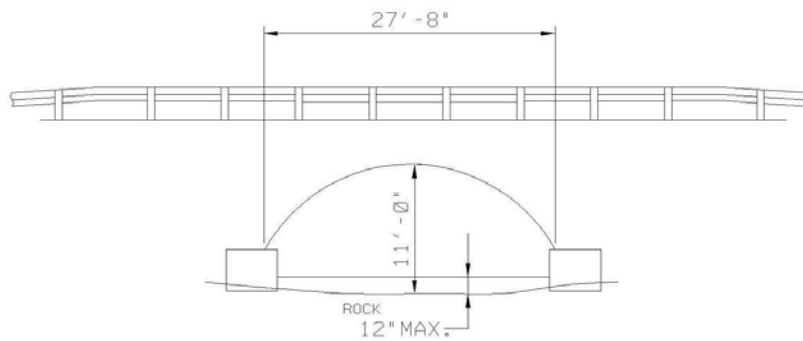
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00061
 CRANDALL-LANESVL R over LAZY CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100039
Facility Carried: CRANDALL-LANESVL R

Bridge Number: 31-00061
Feature(s) Intersected: LAZY CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100039
8L. County Bridge Number:..... 00061
8X. Structure Name:.....
5A. Inventory Route On:..... 141000470
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... LAZY CREEK
7. Facility Carried:..... CRANDALL-LANESVL R
9A. Location:..... 00.30 N OF CRESTVIEW AVE
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 14' 33.95"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00047
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... S-12
11B. Mile Point (under):.....
17. Longitude:..... 085° 59' 37.79"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 319 A (MPAUF - 319A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... N (N/A)
108A. Wearing Surface:..... N (NOT APPLICABLE)
108C. Protection:..... N (NOT APPLICABLE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NOT APPLICABLE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1979
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 004480 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 007360 VPD
109. Average Truck Traffic:..... 08 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 001 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0027.7 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 040.0 ft.
32. Approach Roadway Width:..... 025.0 ft.
34. Skew:..... 30 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 040.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00027.7 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 040.0 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100039	Bridge Number: 31-00061
Facility Carried: CRANDALL-LANESVL R	Feature(s) Intersected: LAZY CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	N/A	N/A	N
58.01 Wearing Surface:.....	N/A	N/A	N
59. Superstructure:.....	N/A	N/A	N
60. Substructure:.....	N/A	N/A	N
61. Channel:.....	GOOD - FALLEN TREES IN CHANNEL	NATURAL	7
62. Culv/Ret:.....	GOOD - LIGHT RUST	MULTIPLATE ARCH	7
65. Approach Roadway:.....	VERY GOOD - LIGHT RUTTING	BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - LIGHT RUST ON PIPE, HAIRLINE CRACKS IN FOOTINGS	7	7
68. Geometry:..... NOT APPLICABLE	6	N
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		7
72. Roadway Alignment:..... TANGENT, CREST VC EACH WAY, DRIVE NW		7
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100039
Facility Carried: CRANDALL-LANESVL R

Bridge Number: 31-00061
Feature(s) Intersected: LAZY CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 007360 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING B.E.M'S.

596. Total Project Cost:..... \$000001 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	NA Years	SUFFICIENCY RATING	99.6	99.6
	B: Deck:.....	NA Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	NA Years			
	E: Substructure:.....	NA Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	20 Years			

REMARKS

HAIRLINE CRACKS IN FOOTINGS WITH LIGHT EFFLORESCENCE. VERY LIGHT RUST AT BASE OF ARCH. SOME AREAS OF WATER SEEPAGE AT BOLT CONNECTIONS. SMALL FALLEN TREES CAUGHT AT EAST END OF STRUCTURE. LIGHT AGGREDATION IN PIPE. WEST GUARDRAIL DAMAGE AT 3 LOCATIONS.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



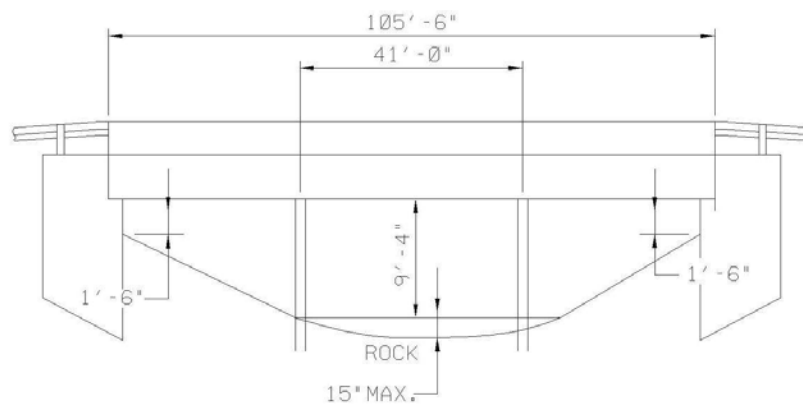
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00062
 PUMPING STATION RD over SOUTH FORK BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100040
Facility Carried: PUMPING STATION RD

Bridge Number: 31-00062
Feature(s) Intersected: SOUTH FORK BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100040
8L. County Bridge Number:..... 00062
8X. Structure Name:.....
5A. Inventory Route On:..... 141000230
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... SOUTH FORK BUCK CREEK
7. Facility Carried:..... PUMPING STATION RD
9A. Location:..... 00.40 S SMITH CAMPGROUND RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 06' 50.56"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00023
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... P-22
11B. Mile Point (under):.....
17. Longitude:..... 086° 00' 01.14"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 201 A (CRCS - 201A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 003
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1991
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000540 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000890 VPD
109. Average Truck Traffic:..... 03 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 007 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0041.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 025.5 ft.
32. Approach Roadway Width:..... 021.0 ft.
34. Skew:..... 40 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 025.5 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00105.5 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 028.5 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100040	Bridge Number: 31-00062
Facility Carried: PUMPING STATION RD	Feature(s) Intersected: SOUTH FORK BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	<u>CONDITION</u>	<u>MATERIAL</u>	<u>RATING</u>
58. Deck:.....	GOOD - POPOUTS, HAIRLINE CRACKS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
59. Superstructure:.....	GOOD - NO PROBLEMS NOTED	CONTINUOUS REINF CONC SLAB	7
60. Substructure:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE CAP ON PILES	8
61. Channel:.....	GOOD - BRUSHY, CONCRETE WEIR	RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - NEW BITUMINOUS	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	<u>COMMENTS</u>	<u>Unofficial</u>	<u>Official</u>
67. Structural:.....	VERY GOOD - NO PROBLEMS NOTED	7	8
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE	4	4
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	ADEQUATE		8
72. Roadway Alignment:.....	IN CREST VC, HORIZONTAL CURVE EACH WAY		7
36A. Traffic Safety Features (Bridge Railings):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36B. Traffic Safety Features (Transitions):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36C. Traffic Safety Features (Approach Guardrail):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36D. Traffic Safety Features (Approach Guardrail Ends):.....	1 (MEETS CURRENT SAFETY STANDARDS)		
36X. Bridge Rail Type:.....	A (CONCRETE BARRIER RAIL)		
113A. Scour Critical Bridge:.....			8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100040
Facility Carried: PUMPING STATION RD

Bridge Number: 31-00062
Feature(s) Intersected: SOUTH FORK BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000890 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING A CURVE WARNING SIGN TO THE SOUTH, PLACING B.E.M'S, AND REPAIRING EROSION AND WATERWAY DAMAGE AT SOUTH END OF DAM.

596. Total Project Cost:..... \$000004 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING	91.7	91.7
	B: Deck:.....	40 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	40 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	38 Years			
	H: Culvert:.....	NA Years			

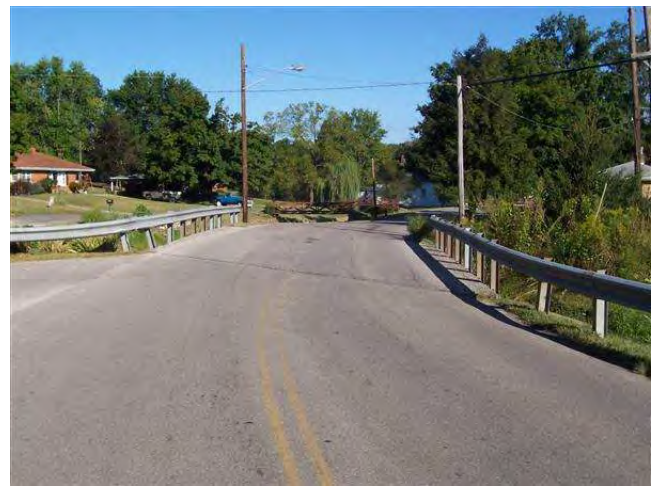
REMARKS

GRAVEL ON DECK EDGES IMPEDES DRAINAGE. TRANSVERSE HAIRLINE CRACKS OVER PIERS. HAIRLINE CRACKS WITH EFFLORESCENCE OVER PIERS AT COPINGS OF SLAB. LIGHT HONEYCOMBING AND REINFORCEMENT CHAIRS VISIBLE ON BOTTOM OF SLAB. FULL HEIGHT VERTICAL HAIRLINE CRACK AT PIER 3. DEBRIS BUILD UP AT DAM, WATER HAS WASHED OUT AROUND SOUTH END OF DAM, RIPRAP IS MISSING WITH EXPOSED GEOTEXTILES.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



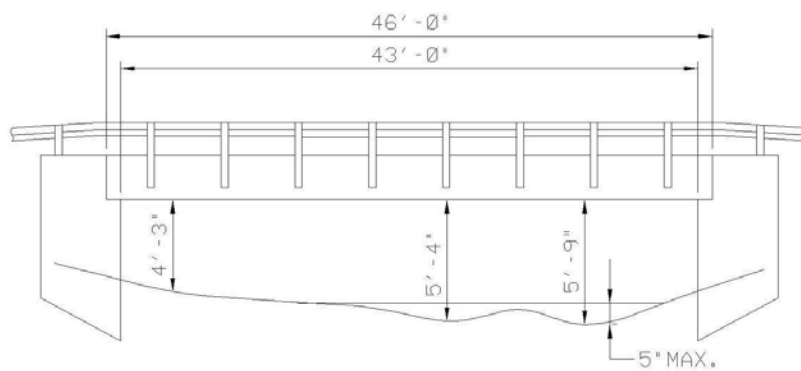
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00063
 ST JOHN CHURCH RD over PANTHER CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100004
Facility Carried: ST JOHN CHURCH RD

Bridge Number: 31-00063
Feature(s) Intersected: PANTHER CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100004	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00063	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	152000000	5B. Road Number On:	0000
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	42048 (LANESVILLE)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	PANTHER CREEK	99. Border Bridge Number:	
7. Facility Carried:	ST JOHN CHURCH RD	9C. Map Location:	S-13
9A. Location:	00.20 S OF MAIN ST LANESVLE	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	085° 59' 03.06"
16. Latitude:	38° 14' 05.96"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	2 (CONCRETE PRECAST)	108B. Membrane:	NONE
108A. Wearing Surface:	6 (BITUMINOUS)	108D. Thickness of Asphalt:	01.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1985	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	003080 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	005060 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	06 % Trucks	19. Bypass Detour Length:	001 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0043.0 ft.	49. Structure Length:	00046.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.1 ft.	52. Deck Width (O-O):	024.2 ft.
32. Approach Roadway Width:	027.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	45 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.1 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100004
 Facility Carried: ST JOHN CHURCH RD

Bridge Number: 31-00063
 Feature(s) Intersected: PANTHER CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 19	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - NO PROBLEMS NOTED	PRESTRESSED CONCRETE BOX BEAMS	6
58.01 Wearing Surface:.....	SATIS - LONG. CRACKS OVER BEAMS	BITUMINOUS	6
59. Superstructure:.....	GOOD - SPALL @ SW RAIL POST	PCBB	7
60. Substructure:.....	GOOD - HAIRLINE CRACKS	CONCRETE ABUTMENT	7
61. Channel:.....	GOOD - AGGREDATION	NATURAL	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - UNEVEN	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - HAIRLINE ABUTMENT CRACKS, COPING SPALL	7	7
68. Geometry:..... BASICALLY INTOLERABLE - VERY NARROW GEOMETRY	2	2
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		7
72. Roadway Alignment:..... IN HORIZONTAL CURVE, SLIGHT CREST VC, INTERSECTION SW		6
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100004
Facility Carried: ST JOHN CHURCH RD

Bridge Number: 31-00063
Feature(s) Intersected: PANTHER CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 005060 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND PATCHING WEST COPING BEAM, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S AND CURVE WARNING SIGNS.

596. Total Project Cost:..... \$000014 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	02 Years	SUFFICIENCY RATING	77.6	77.7
	B: Deck:.....	30 Years	Functionally Obsolete:	Y	Y
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	30 Years			
	F: Approach:.....	10 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL CRACKS OVER BEAM LINES IN WEARING SURFACE WITH PATCHES. WATER SEEPAGE BETWEEN BEAMS. BEAM #1 DAMAGED AT GUARDRAIL CONNECTION NEAR SOUTH END. SPALL WITH EXPOSED PRESTRESSING STRAND AT SOUTH BEARING OF BEAM #4. WEST BRIDGE GUARDRAIL DAMAGED. HAIRLINE CRACKS IN ABUTMENTS. AGGREGATION IN CHANNEL. CRACKING AND SETTLING AT BRIDGE ENDS.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



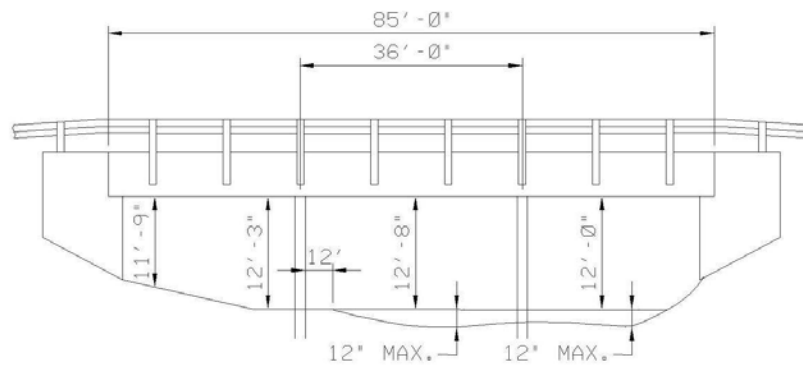
LOOKING EAST ON ROAD



LOOKING SOUTH IN CHANNEL



LOOKING NORTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00064
 MCPHILLIPS RD over MIDDLE FORK BUCK CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100041
Facility Carried: MCPHILLIPS RD

Bridge Number: 31-00064
Feature(s) Intersected: MIDDLE FORK BUCK CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100041
8L. County Bridge Number:..... 00064
8X. Structure Name:.....
5A. Inventory Route On:..... 142000270
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... MIDDLE FORK BUCK CREEK
7. Facility Carried:..... MCPHILLIPS RD
9A. Location:..... 00.30 S OF NEEDMORE LN
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 08' 15.02"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00027
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... R-20
11B. Mile Point (under):.....
17. Longitude:..... 086° 00' 43.01"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 201 A (CRCS - 201A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 003
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1987
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000240 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000390 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 005 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0036.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.0 ft.
32. Approach Roadway Width:..... 019.0 ft.
34. Skew:..... 20 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00085.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.0 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100041
 Facility Carried: MCPHILLIPS RD

Bridge Number: 31-00064
 Feature(s) Intersected: MIDDLE FORK BUCK CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - SMALL SPALLS, HL CRACKS	CONCRETE	7
58.01 Wearing Surface:.....	SATIS - MODERATE SURFACE WEAR	CONCRETE	6
59. Superstructure:.....	GOOD - NO PROBLEMS NOTED	CONTINUOUS REINF CONC SLAB	7
60. Substructure:.....	GOOD - TOP OF FTGS EXPOSED	CONCRETE ABUTMENT	7
61. Channel:.....	GOOD - DRIFT JAM ON PIER	NATURAL	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - SURFACE WEAR, CRACKS, SMALL SPALLS, LIGHT SCALING		7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			8
72. Roadway Alignment:.....	IN CREST VC TO S			6
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100041
Facility Carried: MCPHILLIPS RD

Bridge Number: 31-00064
Feature(s) Intersected: MIDDLE FORK BUCK CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000390 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL, AND REMOVING DEBRIS AND FALLEN TREES FROM PIERS.

596. Total Project Cost:..... \$000017 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	11 Years	SUFFICIENCY RATING	91.4	91.4
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	13 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

HAIRLINE CRACKS OVER PIERS AND POPOUTS ON SURFACE OF DECK. VERTICAL FULL HEIGHT HAIRLINE CRACKS AT EAST AND WEST BENTS. FOOTINGS ARE EXPOSED AT PIER #2 AND #3. AGGREGATION IN CHANNEL WITH FALLEN TREES AND DEBRIS BUILD-UP AT PIERS. CRACKING AND SETTLING AT BRIDGE ENDS.

THINK SAFETY FIRST



LOOKING NORTHEAST ON ROAD



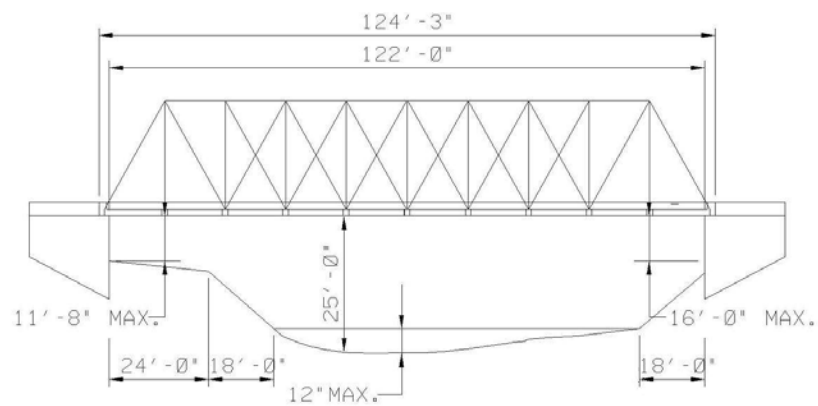
LOOKING SOUTHWEST ON ROAD



LOOKING NORTHWEST IN CHANNEL



LOOKING SOUTHEAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00065
 PEDESTRIAN TRAIL over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100042
Facility Carried: Pedestrian Trail

Bridge Number: 31-00065
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100042	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00065	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:		5B. Road Number On:	
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	Pedestrian Trail	9C. Map Location:	M-9
9A. Location:	00.70 SE OF IN-135	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 05' 43.29"
16. Latitude:	38° 17' 22.32"		

STRUCTURE DATA

43A. Structure Type - Main Span:	310 B (STT - 310B)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	8 (TIMBER)	108B. Membrane:	NONE
108A. Wearing Surface:	7 (TIMBER)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1899	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	0	59C. Tons Steel:	
42A. Type of Service Over:	3 (PEDESTRIAN/BICYCLE)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	00	28B. Lanes Under Structure:	00
29A. ADT - Over:	000000 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000000 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	00 % Trucks	19. Bypass Detour Length:	003 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0122.0 ft.	49. Structure Length:	00124.2 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	014.0 ft.	52. Deck Width (O-O):	014.0 ft.
32. Approach Roadway Width:	000.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	15' 09"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	014.0 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	15' 09"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100042	Bridge Number: 31-00065
Facility Carried: Pedestrian Trail	Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:.....	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 0 (HIGHWAY TRAFFIC NOT CARRIED)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 3 (MAY BE ELIGIBLE FOR NATIONAL REGISTER)	

CONDITION

	<u>CONDITION</u>	<u>MATERIAL</u>	<u>RATING</u>
58. Deck:.....	SATIS - MISSING RUNNING BOARDS	TIMBER	6
58.01 Wearing Surface:.....	SATIS - MISSING RUNNING BOARDS	TIMBER	6
59. Superstructure:.....	SATIS - LIGHT RUST OVERALL	STEEL THRU TRUSS	6
60. Substructure:.....	SATIS - NO PROBLEMS NOTED	STONE ABUTMENT	6
61. Channel:.....	SATIS - TREES OVERHANG BRIDGE	NATURAL	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	FAILED - APPROACHES REMOVED	N/A	0

LOAD RATING AND POSTING

31. Design Load:..... 0 (UNKNOWN)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 00	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 00	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 00 Tons	
70. Bridge Posting:..... 0 (MORE THAN 39.9% BELOW LEGAL LOADS (0 TONS))	
41. Open, Posted, or Closed:.. R (POSTED FOR OTHER THAN LOAD)	
66C. Tons Posted:.....	66D. Date Posted/Closed:..... 03/04/2013
Restriction Signage:.....	BOLLARDS HAVE BEEN PLACED RESTRICTING VEHICULAR TRAFFIC

APPRAISAL

	<u>COMMENTS</u>	<u>Unofficial</u>	<u>Official</u>
67. Structural:.....	PEDESTRIAN BRIDGE - APPROACH ROADWAY REMOVED	0	0
68. Geometry:.....	PEDESTRIAN BRIDGE - CLOSED TO TRAFFIC	N/A -	0
69. Underclearance:.....	NOT APPLICABLE	N	N
71. Waterway Adequacy:.....	ADEQUATE		6
72. Roadway Alignment:.....	APPROACHES REMOVED WITH BRIDGE LEFT IN PLACE		N
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....	H (MISC. STEEL RAILINGS)		
113A. Scour Critical Bridge:.....	8 (STABLE)		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100042
 Facility Carried: Pedestrian Trail

Bridge Number: 31-00065
 Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
 75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS A PEDESTRIAN BRIDGE. NO MAJOR WORK IS NEEDED.

76. Improvement Length:..... 000000 ft.
 94. Bridge Improvement Costs:..... \$000000 x 1000
 95. Roadway Improvement Costs:..... \$000000 x 1000
 96. Total Project Cost:..... \$000000 x 1000
 97. Year of Cost Estimate:.....
 114. Future ADT:..... 000000 VPD
 115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:.....

Describe Item 575:

NO WORK NEEDED.

596. Total Project Cost:..... \$000000 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
 92. Critical Feature Inspection: A:..... N B:..... N C:..... N
 93. Date: A:..... 09/09/2010 B:..... C:.....

REMAINING LIFE

		Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:..... 12 Years	SUFFICIENCY RATING	21.6	17.2
	B: Deck:..... 12 Years	Functionally Obsolete:	N	N
	C: Joints:..... NA Years	Structurally Deficient:	Y	Y
	D: Superstructure:..... 15 Years			
	E: Substructure:..... 15 Years			
	F: Approach:..... 00 Years			
	G: Channel:..... 20 Years			
	H: Culvert:..... NA Years			

REMARKS

THIS BRIDGE WAS LEFT IN PLACE BUT REPLACED BY A NEW BRIDGE ON NEW ALIGNMENT. ROADWAY ACCESS TO BRIDGE HAS BEEN REMOVED. A FULL FRACTURE CRITICAL INSPECTION WILL BE PERFORMED PRIOR TO BRIDGE BEING PUT BACK IN SERVICE IF THIS IS DESIRED. THE BRIDGE IS CURRENTLY CLASSIFIED AS A PEDESTRIAN BRIDGE.

THINK SAFETY FIRST



LOOKING EAST ON ROAD



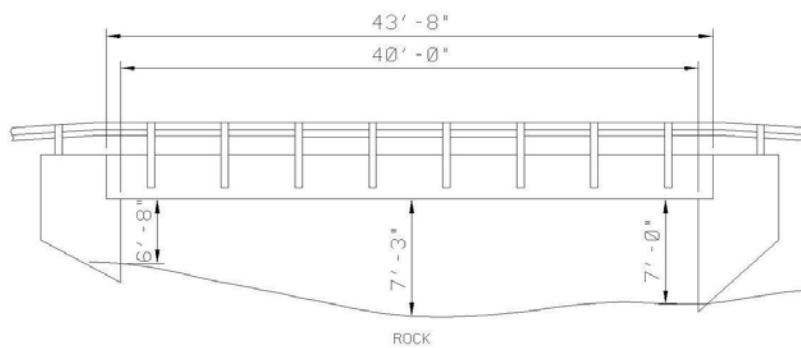
LOOKING WEST ON ROAD



LOOKING SOUTH IN CHANNEL



LOOKING NORTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00066
CRANDALL BRANCH RD over CRANDALL BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100066
Facility Carried: CRANDALL BRANCH RD

Bridge Number: 31-00066
Feature(s) Intersected: CRANDALL BRANCH

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100066
8L. County Bridge Number:..... 00066
8X. Structure Name:.....
5A. Inventory Route On:..... 142002780
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... CRANDALL BRANCH
7. Facility Carried:..... CRANDALL BRANCH RD
9A. Location:..... 00.30 W OF EMILY RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 16' 53.96"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00278
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... P-10
11B. Mile Point (under):.....
17. Longitude:..... 086° 02' 53.81"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1991
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000150 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000250 VPD
109. Average Truck Traffic:..... 01 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 003 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0040.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 023.9 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 45 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 023.9 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00043.7 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100066	Bridge Number: 31-00066
Facility Carried: CRANDALL BRANCH RD	Feature(s) Intersected: CRANDALL BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LONG. CRACKS	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCBB	8
60. Substructure:.....	VERY GOOD - HAIRLINE CRACKS	CONCRETE ABUTMENT	8
61. Channel:.....	GOOD - AGGREDATION	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED, CRACKING	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	VERY GOOD - HAIRLINE CRACKS IN ABUTMENTS		8	8
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			7
72. Roadway Alignment:.....	IN CREST VC, HORIZONTAL CURVE EACH WAY, DRIVE SW CORNER			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100066
Facility Carried: CRANDALL BRANCH RD

Bridge Number: 31-00066
Feature(s) Intersected: CRANDALL BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000250 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL, AND REMOVING VINES GROWING ALONG BEAMS AND ABUTMENTS.

596. Total Project Cost:..... \$000013 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING	91.5	91.5
	B: Deck:.....	25 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	30 Years			
	E: Substructure:.....	35 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL HAIRLINE CRACKS AT CENTERLINE OF DECK WITH LIGHT SURFACE WEAR. VINES GROWING ACROSS BOTTOM OF BEAMS. VERTICAL FULL HEIGHT HAIRLINE CRACKS AT EAST AND WEST ABUTMENTS. AGGREGATION AND FALLEN TREES IN CHANNEL. SHOULDER EROSION BEHIND THE SOUTHWEST WINGWALL. APPROACHES SETTLED.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



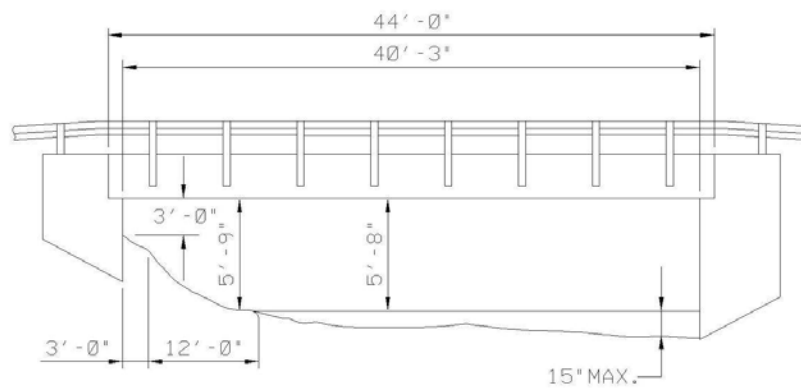
LOOKING EAST ON ROAD



LOOKING SOUTH IN CHANNEL



LOOKING NORTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00067
CRANDALL BRANCH RD over CRANDALL BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100067
Facility Carried: CRANDALL BRANCH RD

Bridge Number: 31-00067
Feature(s) Intersected: CRANDALL BRANCH

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100067
8L. County Bridge Number:..... 00067
8X. Structure Name:.....
5A. Inventory Route On:..... 142002780
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... CRANDALL BRANCH
7. Facility Carried:..... CRANDALL BRANCH RD
9A. Location:..... 00.20 W OF EMILY RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 16' 53.84"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00278
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... P-10
11B. Mile Point (under):.....
17. Longitude:..... 086° 02' 45.74"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1991
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000150 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000250 VPD
109. Average Truck Traffic:..... 03 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 003 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0040.2 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.0 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 45 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00044.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100067	Bridge Number: 31-00067
Facility Carried: CRANDALL BRANCH RD	Feature(s) Intersected: CRANDALL BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - LONG. HAIRLINE CRACKS	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCBB	8
60. Substructure:.....	VERY GOOD - HAIRLINE CRACKS	CONCRETE ABUTMENT	8
61. Channel:.....	SATIS - AGGREDATION, SCOUR	RIPRAP	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - UNEVEN, SETTLED	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	VERY GOOD - HAIRLINE ABUTMENT CRACKS		8	8
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			6
72. Roadway Alignment:.....	NEARLY TANGENT, IN SLIGHT CREST VC			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100067
Facility Carried: CRANDALL BRANCH RD

Bridge Number: 31-00067
Feature(s) Intersected: CRANDALL BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000250 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000012 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	18 Years	SUFFICIENCY RATING	91.5	91.5
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	35 Years			
	E: Substructure:.....	35 Years			
	F: Approach:.....	11 Years			
	G: Channel:.....	25 Years			
	H: Culvert:.....	NA Years			

REMARKS

MONITOR SCOUR HOLE AT WEST ABUTMENT

THINK SAFETY FIRST



LOOKING EAST ON ROAD



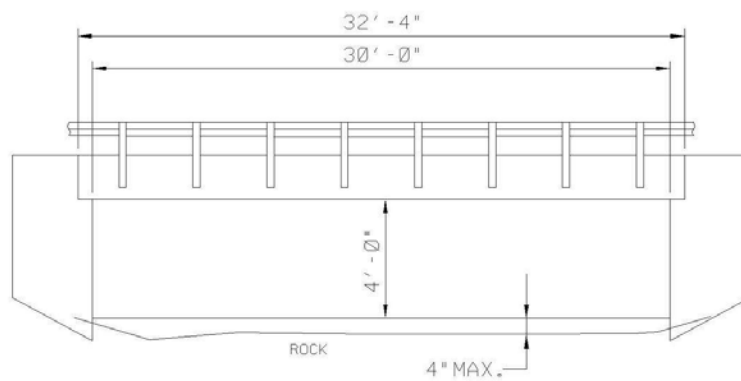
LOOKING WEST ON ROAD



LOOKING SOUTH IN CHANNEL



LOOKING NORTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00068
ZOLLMAN RD over PANTHER CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100090
Facility Carried: ZOLLMAN RD

Bridge Number: 31-00068
Feature(s) Intersected: PANTHER CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100090	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00068	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	152000000	5B. Road Number On:	00000
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	42048 (LANESVILLE)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	PANTHER CREEK	99. Border Bridge Number:	
7. Facility Carried:	ZOLLMAN RD	9C. Map Location:	S-13
9A. Location:	00.10 N OF MAIN ST(LANESVL)	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	085° 59' 00.33"
16. Latitude:	38° 14' 05.24"		

STRUCTURE DATA

43A. Structure Type - Main Span:	101 B (PCS - 101B)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	2 (CONCRETE PRECAST)	108B. Membrane:	UNKNOWN
108A. Wearing Surface:	6 (BITUMINOUS)	108D. Thickness of Asphalt:	02.00 Inches
108C. Protection:	8 (UNKNOWN)		

AGE OF SERVICE

27A. Year Built:	2008	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000050 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000080 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	00 % Trucks	19. Bypass Detour Length:	199 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0030.0 ft.	49. Structure Length:	00032.3 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	026.5 ft.	52. Deck Width (O-O):	027.0 ft.
32. Approach Roadway Width:	022.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	026.5 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100090	Bridge Number: 31-00068
Facility Carried: ZOLLMAN RD	Feature(s) Intersected: PANTHER CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 19	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	VERY GOOD - NO PROBLEMS NOTED	.....PRECAST CONCRETE SLAB	8
58.01 Wearing Surface:.....	VERY GOOD - NO PROBLEMS NOTED	.....BITUMINOUS	8
59. Superstructure:.....	VERY GOOD - VERTICAL HL CRACKS	.....PRECAST CONC SLAB	8
60. Substructure:.....	VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE ABUTMENT	8
61. Channel:.....	VERY GOOD - NO PROBLEMS NOTED	.....NATURAL AND RIPRAP	8
62. Culv/Ret:.....	N/A	.....N/A	N
65. Approach Roadway:.....	VERY GOOD - NO PROBLEMS NOTED	.....BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:.....	8	8
68. Geometry:.....	6	6
69. Underclearance:.....	N	N
71. Waterway Adequacy:.....		7
72. Roadway Alignment:.....		5
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....		0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)
36C. Traffic Safety Features (Approach Guardrail):.....		0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)
36D. Traffic Safety Features (Approach Guardrail Ends):.....		1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:.....		Q (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100090
Facility Carried: ZOLLMAN RD

Bridge Number: 31-00068
Feature(s) Intersected: PANTHER CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000080 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING ADDITIONAL APPROACH GUARDRAIL, TRANSITIONS, CURVE WARNING SIGNS AND B.E.M AT NORTHWEST CORNER.

596. Total Project Cost:..... \$000005 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	15 Years	SUFFICIENCY RATING	92.5	92.6
	B: Deck:.....	40 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	40 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

HAIRLINE CRACKS IN COPING SPANS, SOME EXTEND ACROSS BOTTOM OF SLAB. ISOLATED AREAS OF SEEPAGE BETWEEN SPAN JOINTS.

THINK SAFETY FIRST



LOOKING EAST ON ROAD



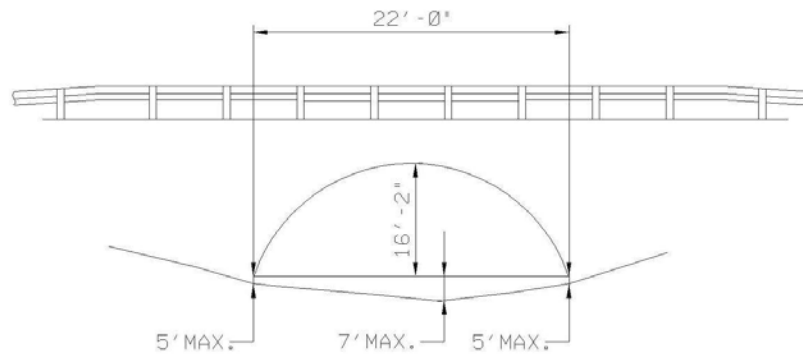
LOOKING WEST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00070
OLD DAM 43 RD over MOSQUITO CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100044
Facility Carried: Old DAM 43 RD

Bridge Number: 31-00070
Feature(s) Intersected: MOSQUITO CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100044
8L. County Bridge Number:..... 00070
8X. Structure Name:.....
5A. Inventory Route On:..... 141000030
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... MOSQUITO CREEK
7. Facility Carried:..... Old DAM 43 RD
9A. Location:..... 00.40 N OF EVANS KNOBS RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 00' 51.16"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00003
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... Q-28
11B. Mile Point (under):.....
17. Longitude:..... 086° 00' 41.35"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 319 A (MPAUF - 319A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... N (N/A)
108A. Wearing Surface:..... N (NOT APPLICABLE)
108C. Protection:..... N (NOT APPLICABLE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NOT APPLICABLE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1998
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000400 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000660 VPD
109. Average Truck Traffic:..... 03 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 016 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0022.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.2 ft.
32. Approach Roadway Width:..... 024.0 ft.
34. Skew:..... 30 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.2 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00022.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 024.2 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100044
 Facility Carried: Old DAM 43 RD

Bridge Number: 31-00070
 Feature(s) Intersected: MOSQUITO CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	N/A	N/A	N
58.01 Wearing Surface:.....	N/A	N/A	N
59. Superstructure:.....	N/A	MULTI-PLATE ARCH - UNDER FILL	N
60. Substructure:.....	N/A	N/A - UNDER FILL	N
61. Channel:.....	SATIS - SCOUR HOLE	RIPRAP	6
62. Culv/Ret:.....	GOOD - NO PROBLEMS NOTED	MULTIPLATE	7
65. Approach Roadway:.....	GOOD - NO PROBLEMS NOTED	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - NO PROBLEMS NOTED		7	7
68. Geometry:.....	NOT APPLICABLE		5	N
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			6
72. Roadway Alignment:.....	HORIZONTAL CURVE, IN CREST VC			5
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100044
Facility Carried: Old DAM 43 RD

Bridge Number: 31-00070
Feature(s) Intersected: MOSQUITO CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000660 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL.

596. Total Project Cost:..... \$000011 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

				Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:.....	NA Years	SUFFICIENCY RATING	85.4	95.6
	B: Deck:.....	NA Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	NA Years			
	E: Substructure:.....	NA Years			
	F: Approach:.....	30 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	40 Years			

REMARKS

MINOR DAMAGE AT NE CORNER OF PIPE OPENING. MINOR DEFLECTION. LARGE SCOUR HOLE AT UPSTREAM OPENING. MONITOR SCOUR. SMALL TREES GROWING AROUND ENDS OF PIPES. MINOR GUARDRAIL DAMAGE.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



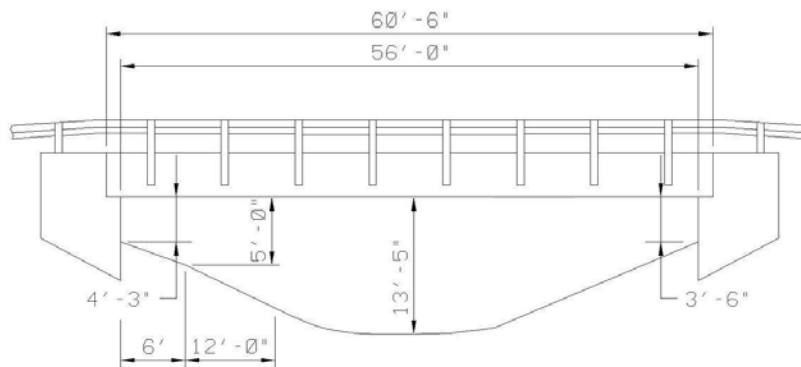
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00071
BLUE SPRINGS RD over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100045
Facility Carried: BLUE SPRINGS RD

Bridge Number: 31-00071
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:.....	185 (INDIANA)	8S. INDOT Bridge Number:.....	
8. NBI Number:.....	3100045	8SD. INDOT Bridge Desig:.....	
8L. County Bridge Number:.....	00071	8C. Old Bridge No:.....	
8X. Structure Name:.....		8E. New Bridge No:.....	
5A. Inventory Route On:.....	142001390	5B. Road Number On:.....	00139
5A. Inventory Route Under:.....		5B. Road Number Under:.....	
2. District:.....	05 (SEYMOUR)	4. City/Town:.....	00000 (N/A)
3. County:.....	031 (HARRISON)	98. Border Bridge:.....	
6. Feat Intersected:.....	INDIAN CREEK	99. Border Bridge Number:.....	
7. Facility Carried:.....	BLUE SPRINGS RD	9C. Map Location:.....	C-22
9A. Location:.....	00.10 N OF BILL TROUBAUGH R	11B. Mile Point (under):.....	
11A. Mile Point (over):.....	0000.000	17. Longitude:.....	086° 15' 33.94"
16. Latitude:.....	38° 06' 33.87"		

STRUCTURE DATA

43A. Structure Type - Main Span:.....	505 (PCBB - 506)	44A. Structure Type - Approach:.....	000
43C. Main Span Widening Type:.....		44C. Other Approach Types:.....	N
45. Number of Spans - Main:.....	001	46. Number of Spans - Approach:.....	0000
107. Deck Structure Type:.....	2 (CONCRETE PRECAST)	108B. Membrane:.....	NONE
108A. Wearing Surface:.....	1 (CONCRETE)	108D. Thickness of Asphalt:.....	00.00 Inches
108C. Protection:.....	0 (NONE)		

AGE OF SERVICE

27A. Year Built:.....	1983	106A. Reconstructed:.....	0000
27B. Paint Date:.....		106B. Repaired:.....	0000
59B. Paint Rating:.....	N	59C. Tons Steel:.....	
42A. Type of Service Over:.....	1 (HIGHWAY)	42B. Type of Service Under:.....	5 (WATERWAY)
28A. Lanes on Structure:.....	02	28B. Lanes Under Structure:.....	00
29A. ADT - Over:.....	000120 VPD	30A. ADT Year Over:.....	2013
29B. ADT - Under:.....	VPD	30B. ADT Year Under:.....	
114. Future ADT:.....	000200 VPD	115. Future ADT Year:.....	2030
109. Average Truck Traffic:.....	00 % Trucks	19. Bypass Detour Length:.....	010 mi.

GEOMETRIC DATA

48. Maximum Span Length:.....	0056.0 ft.	49. Structure Length:.....	00060.5 ft.
50A. Sidewalk/Curb Left:.....	00.0 ft.	50B. Sidewalk/Curb Right:.....	00.0 ft.
51. Bridge Roadway Width:.....	020.0 ft.	52. Deck Width (O-O):.....	020.1 ft.
32. Approach Roadway Width:.....	018.0 ft.	33. Bridge Median:.....	0 (NO MEDIAN)
34. Skew:.....	15 Degree(s)	35. Structure Flared:.....	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:.....	99' 99"	10B. Defense Vertical Clearance - Under:.....	
47A. Total Horiz. Clearance Over East/North:.....	020.0 ft.	47B. Total Horiz. Clearance Over West/South:.....	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):.....	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):..	ft.
53. Vertical Clearance/Deck:.....	99' 99"	54B. Underclearance:.....	00' 00"
55B. Lateral Right:.....	000.0 ft.	54A. Min Vert Clear Code:.....	N
55A. Min Latr. Cl. Right - Code:.....	N		
56. Lateral Left:.....	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100045	Bridge Number: 31-00071
Facility Carried: BLUE SPRINGS RD	Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - LIGHT SURF. WEAR	PRESTRESSED CONCRETE BOX BEAMS	6
58.01 Wearing Surface:.....	SATIS - LIGHT SURF. WEAR & SCALING	TOP OF BEAMS	6
59. Superstructure:.....	GOOD - COPING SPALL @ SW	PCBB	7
60. Substructure:.....	GOOD - LEAKS OVER CAP	CONCRETE	7
61. Channel:.....	SATIS - STEEP BANKS	NATURAL AND RIPRAP	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - CRACKED @ BRIDGE ENDS	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - COPING SPALL AT DAMAGED RAIL POST		7	7
68. Geometry:.....	MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE		4	4
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	INADEQUATE			4
72. Roadway Alignment:.....	IN CREST VC & HORIZONTAL CURVE S, INTERSECTION N			6
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100045
Facility Carried: BLUE SPRINGS RD

Bridge Number: 31-00071
Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000200 VPD
115. Year of Future ADT:..... 2030

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, NARROW BRIDGE SIGN AT SOUTH, AND CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL, PLACING A PROTECTIVE WEARING SURFACE, AND REPAIRING DAMAGE TO WEST COPING BEAM AT SOUTH END OF BEAM.

596. Total Project Cost:..... \$000032 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	14 Years	SUFFICIENCY RATING	79.4	79.4
	B: Deck:.....	15 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	45 Years			
	E: Substructure:.....	50 Years			
	F: Approach:.....	13 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

WEST COPING BEAM DAMAGED BY GUARDRAIL PULLING OUT OF BEAM AT CONNECTION. LIGHT SURFACE WEAR AND SCALING OF WEARING SURFACE. WATER SEEPAGE BETWEEN BEAMS, BEAM 1 HAS LARGE SPALL AT SOUTHERN MOST GUARDRAIL POST CONNECTION. BEAMS CHIPPING AT ENDS DUE TO TRAFFIC IMPACT. FALLEN TREES IN CHANNEL. SETTLING AND CRACKING AT BRIDGE ENDS.

THINK SAFETY FIRST



LOOKING WEST ON ROAD



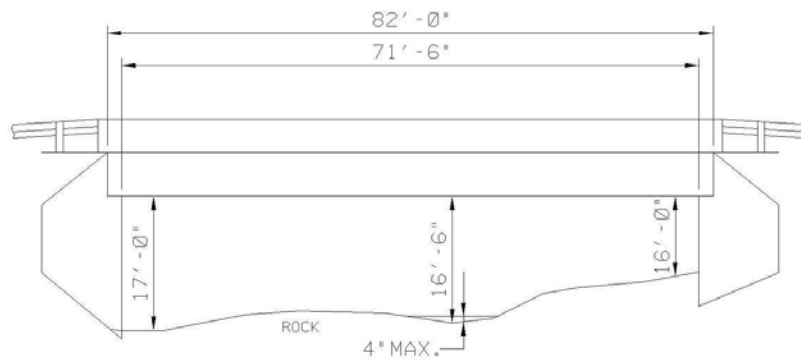
LOOKING EAST ON ROAD



LOOKING NORTH IN CHANNEL



LOOKING SOUTH IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00072
 PONDEROSA RD over LAZY CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100046
Facility Carried: PONDEROSA RD

Bridge Number: 31-00072
Feature(s) Intersected: LAZY CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100046	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00072	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142004100	5B. Road Number On:	00410
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	LAZY CREEK	99. Border Bridge Number:	
7. Facility Carried:	PONDEROSA RD	9C. Map Location:	S-13
9A. Location:	00.20 W CRANDALL LANESVLE R	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	085° 59' 43.94"
16. Latitude:	38° 14' 18.75"		

STRUCTURE DATA

43A. Structure Type - Main Span:	502 A (PCIB - 502A)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2000	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000200 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000330 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	005 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0071.5 ft.	49. Structure Length:	00082.0 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	023.5 ft.	52. Deck Width (O-O):	026.5 ft.
32. Approach Roadway Width:	022.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	45 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	023.5 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100046	Bridge Number: 31-00072
Facility Carried: PONDEROSA RD	Feature(s) Intersected: LAZY CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - TRANSVERSE HL CRACKS	CONCRETE SLAB	7
58.01 Wearing Surface:.....	GOOD - LIGHT SURFACE WEAR	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	PCIB	8
60. Substructure:.....	VERY GOOD - HAIRLINE CRACKS	CONCRETE	8
61. Channel:.....	GOOD - BANK EROSION	RIPRAP AND GABIONS	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED	CONCRETE/BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official	
67. Structural:.....	8	8	
68. Geometry:.....	4	4	
69. Underclearance:.....	N	N	
71. Waterway Adequacy:.....			8
72. Roadway Alignment:.....			7
36A. Traffic Safety Features (Bridge Railings):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36B. Traffic Safety Features (Transitions):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36C. Traffic Safety Features (Approach Guardrail):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36D. Traffic Safety Features (Approach Guardrail Ends):.....			1 (MEETS CURRENT SAFETY STANDARDS)
36X. Bridge Rail Type:.....			A (CONCRETE BARRIER RAIL)
113A. Scour Critical Bridge:.....			8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100046
Facility Carried: PONDEROSA RD

Bridge Number: 31-00072
Feature(s) Intersected: LAZY CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000330 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS.

596. Total Project Cost:..... \$000001 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	23 Years	SUFFICIENCY RATING	91.9	91.9
	B: Deck:.....	40 Years	Functionally Obsolete:	N	N
	C: Joints:.....	05 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	50 Years			
	F: Approach:.....	10 Years			
	G: Channel:.....	50 Years			
	H: Culvert:.....	NA Years			

REMARKS

EAST END OF DECK HAS BEEN MILLED FOR SMOOTHNESS, LIGHT SURFACE WEAR. VERTICAL HAIRLINE CRACKS IN WINGWALLS. WATER SEEPAGE ONTO BRIDGE SEATS. ONE VERTICAL FULL HEIGHT HAIRLINE CRACK AT EAST AND WEST ABUTMENTS. AGGREGATION AND BANK EROSION OF CHANNEL WITH SMALL TREES GROWING IN CHANNEL. A SHOULDER SLIDE HAS OCCURRED IN THE SOUTHWEST APPROACH SLOPE APPROXIMATELY 8' BEHIND THE GUARDRAIL, APPEARS TO BE STABLE.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



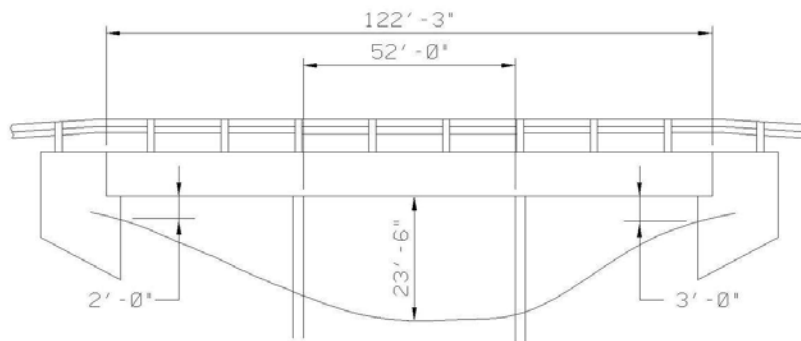
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00073
 RIVER RD over BRANCH OF OHIO RIVER

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100082
Facility Carried: RIVER RD

Bridge Number: 31-00073
Feature(s) Intersected: BRANCH OF OHIO RIVER

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100082	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00073	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000710	5B. Road Number On:	00071
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	52398 (NEW AMSTERDAM)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	BRANCH OF OHIO RIVER	99. Border Bridge Number:	
7. Facility Carried:	RIVER RD	9C. Map Location:	B-22
9A. Location:	00.10 S OF MAIN(NEW AMSTER)	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 16' 34.84"
16. Latitude:	38° 06' 00.96"		

STRUCTURE DATA

43A. Structure Type - Main Span:	302 D (SB - 302D)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	003	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	2 (CONCRETE PRECAST)	108B. Membrane:	UNKNOWN
108A. Wearing Surface:	6 (BITUMINOUS)	108D. Thickness of Asphalt:	02.00 Inches
108C. Protection:	8 (UNKNOWN)		

AGE OF SERVICE

27A. Year Built:	1999	106A. Reconstructed:	2000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	6	59C. Tons Steel:	000006
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000190 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000310 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	008 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0052.0 ft.	49. Structure Length:	00122.2 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	028.1 ft.	52. Deck Width (O-O):	031.2 ft.
32. Approach Roadway Width:	019.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	028.1 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100082
 Facility Carried: RIVER RD

Bridge Number: 31-00073
 Feature(s) Intersected: BRANCH OF OHIO RIVER

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 07	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	SATIS - SMALL SPALLS, EFFL.	CONCRETE	6
58.01 Wearing Surface:.....	SATIS - TRANSVERSE CRACKS	BITUMINOUS	6
59. Superstructure:.....	GOOD - LIGHT RUST	SIMPLE STEEL BEAM	7
60. Substructure:.....	GOOD - FOOTINGS SCOURED	CONCRETE	7
61. Channel:.....	SATIS - EROSION @ PIER COLUMN	RIPRAP	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	SATIS - SETTLED	BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - LIGHT RUST ON BEAMS, COLUMN EROSION		7	7
68. Geometry:.....	EQUAL TO PRESENT MINIMUM CRITERIA		6	6
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			8
72. Roadway Alignment:.....	NEARLY LEVEL, HORIZONTAL CURVE EACH WAY			6
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100082
Facility Carried: RIVER RD

Bridge Number: 31-00073
Feature(s) Intersected: BRANCH OF OHIO RIVER

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000310 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL, PLACING RIPRAP AROUND COLUMNS OF BOTH PIERS, AND BACKFILLING SHOULDER EROSION AT THE NORTHEAST.

596. Total Project Cost:..... \$000022 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	10 Years	SUFFICIENCY RATING	96.9	96.9
	B: Deck:.....	18 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	43 Years			
	E: Substructure:.....	43 Years			
	F: Approach:.....	8 Years			
	G: Channel:.....	26 Years			
	H: Culvert:.....	NA Years			

REMARKS

SPALLS AND EFFLORESCENCE AT PANEL JOINTS, TRANSVERSE CRACKS OVER JOINTS. SLIGHT DEFLECTION IN CENTER SPAN BEAMS. PATCHES OF LIGHT FLAKING RUST ESPECIALLY AT BEARING AREAS. AREAS OF EXPOSED FOOTINGS AT PIER 2 AND 3. SCOURING AT PIER COLUMNS. SETTLING PATCHED APPROACHES AT BRIDGE ENDS, SHOULDER EROSION AT NORTHEAST.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



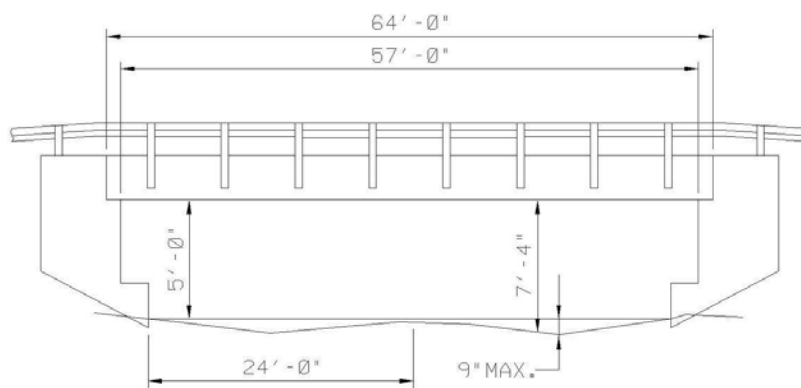
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00074
 CRANDALL-LANESVL R over CRANDALL BRANCH

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100001
Facility Carried: CRANDALL-LANESVL R

Bridge Number: 31-00074
Feature(s) Intersected: CRANDALL BRANCH

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100001
8L. County Bridge Number:..... 00074
8X. Structure Name:.....
5A. Inventory Route On:..... 151000000
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... CRANDALL BRANCH
7. Facility Carried:..... CRANDALL-LANESVL R
9A. Location:..... 00.10 S OF SR 335
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 17' 13.70"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00000
5B. Road Number Under:.....
4. City/Town:..... 15634 (CRANDALL)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... O-10
11B. Mile Point (under):.....
17. Longitude:..... 086° 03' 49.55"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 505 (PCBB - 506)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1990
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000600 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000990 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 003 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0057.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 033.3 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 50 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 033.5 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00064.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 033.3 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100001	Bridge Number: 31-00074
Facility Carried: CRANDALL-LANESVL R	Feature(s) Intersected: CRANDALL BRANCH

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 17	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - HL CRACKS, LIGHT SCALING	.....CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LONG. CRACKS, LT. SURF. WEAR	.....CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	.....PCBB	8
60. Substructure:.....	GOOD - HL CRACKS, FTGS EXPOSED	.....CONCRETE ABUTMENT	7
61. Channel:.....	SATIS - SCOUR HOLE	.....NATURAL	6
62. Culv/Ret:.....	N/A	.....N/A	N
65. Approach Roadway:.....	GOOD - SETTLED @ SOUTH END	.....BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 3 (LOAD AND RESISTANCE FACTOR (LRFD))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - HL CRACKS, EXPOSED TOPS OF FOOTINGS	7	7
68. Geometry:..... EQUAL TO PRESENT MINIMUM CRITERIA	6	6
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		7
72. Roadway Alignment:..... IN HORIZONTAL CURVE, CREST VC TO N, DRIVE SW & NW		6
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100001
Facility Carried: CRANDALL-LANESVL R

Bridge Number: 31-00074
Feature(s) Intersected: CRANDALL BRANCH

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000990 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, B.E.M'S, CURRENT STANDARD BRIDGE AND APPROACH RAIL, AND REPAIRING ROADWAY EROSION AT NORTHEAST CORNER OF BRIDGE.

596. Total Project Cost:..... \$000014 x 1000

INSPECTION DATA

90. Date:..... 08/29/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	20 Years	SUFFICIENCY RATING	96.9	96.9
	B: Deck:.....	30 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	40 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	10 Years			
	G: Channel:.....	35 Years			
	H: Culvert:.....	NA Years			

REMARKS

LONGITUDNAL HAIRLINE CRACKS AND LIGHT SURFACE WEAR ON DECK. 6 FULL HEIGHT VERTICAL HAIRLINE CRACKS AT N ABUTMENT, 7 AT S ABUTMENT. WATER SEEPAGE ONTO BRIDGE SEATS. FOOTINGS EXPOSED AT BOTH ABUTMENTS. AGGREDATION IN CHANNEL WITH FALLEN TREES. SCOUR HOLE UNDER BRIDGE. 4'X4' AREA OF SETTLEMENT/EROSION OF ROADWAY AND SHOULDER AT NE CORNER OF BRIDGE.

THINK SAFETY FIRST



LOOKING NORTH FROM ROAD



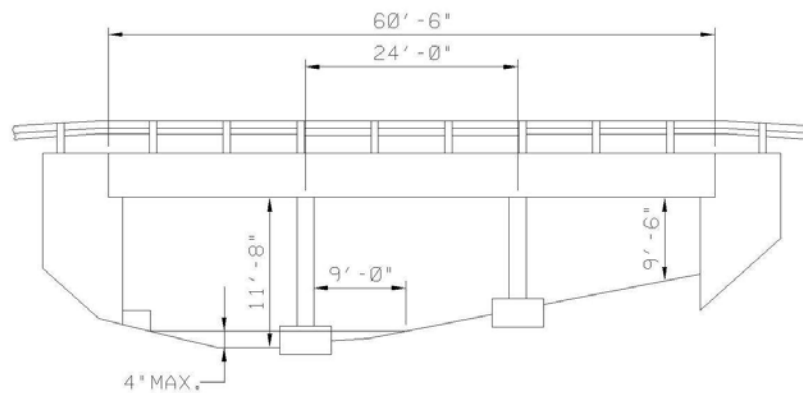
LOOKING SOUTH FROM ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00075
 CRESTVIEW AVE over LITTLE INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100003
Facility Carried: CRESTVIEW AVE

Bridge Number: 31-00075
Feature(s) Intersected: LITTLE INDIAN CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100003
8L. County Bridge Number:..... 00075
8X. Structure Name:.....
5A. Inventory Route On:..... 152000000
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... LITTLE INDIAN CREEK
7. Facility Carried:..... CRESTVIEW AVE
9A. Location:..... 00.10 N OF SR 62
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 14' 16.38"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00000
5B. Road Number Under:.....
4. City/Town:..... 42048 (LANESVILLE)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... S-13
11B. Mile Point (under):.....
17. Longitude:..... 085° 59' 15.10"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 201 A (CRCS - 201A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 003
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1980
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 5 (HIGHWAY/PEDESTRIAN)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000140 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000230 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 001 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0024.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 028.1 ft.
32. Approach Roadway Width:..... 028.0 ft.
34. Skew:..... 30 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 028.1 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00060.5 ft.
50B. Sidewalk/Curb Right:..... 04.0 ft.
52. Deck Width (O-O):..... 035.7 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100003
 Facility Carried: CRESTVIEW AVE

Bridge Number: 31-00075
 Feature(s) Intersected: LITTLE INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 19	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - POPOUTS, SCALING	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - LT. SURF. WEAR, POPOUTS	CONCRETE	7
59. Superstructure:.....	GOOD - HAIRLINE CRACKS	CONTINUOUS REINF CONC SLAB	7
60. Substructure:.....	GOOD - FTG TOPS EXPOSED	CONCRETE ABUTMENT	7
61. Channel:.....	GOOD - AGGREDATION	NATURAL AND RIPRAP	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	SATIS - CRACKS, SETTLING	CONCRETE/BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - TOPS OF FOOTINGS EXPOSED		7	7
68. Geometry:.....	EQUAL TO PRESENT MINIMUM CRITERIA		6	6
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			8
72. Roadway Alignment:.....	HORIZONTAL CURVE EACH END, CREST VC TO S			7
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				B (ALUMINUM)
113A. Scour Critical Bridge:.....				5 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100003
Facility Carried: CRESTVIEW AVE

Bridge Number: 31-00075
Feature(s) Intersected: LITTLE INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000230 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL WITH B.E.M'S, AND REPAIRING SETTLED SIDEWALK AT NORTHEAST CORNER.

596. Total Project Cost:..... \$000010 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official
63X. Estimated Remaining Life:	A: Wearing Surface:..... 9 Years	SUFFICIENCY RATING	97.0	98
	B: Deck:..... 30 Years	Functionally Obsolete:	N	N
	C: Joints:..... NA Years	Structurally Deficient:	N	N
	D: Superstructure:..... 30 Years			
	E: Substructure:..... 30 Years			
	F: Approach:..... 10 Years			
	G: Channel:..... 30 Years			
	H: Culvert:..... NA Years			

REMARKS

CONCRETE SIDEWALK AT NORTHEAST CORNER HAS SETTLED 1" AND PRESENTS A TRIPPING HAZARD. END JOINTS ARE FILLED WITH SAND. HAIRLINE CRACKS ON BOTTOM OF SLAB AT NORTH, CENTER, AND SOUTH SPANS. VERTICAL HAIRLINE CRACKS IN COPINGS OVER PIERS. FOOTINGS EXPOSED AT ABUTMENT 1 AND PIER 2. VERTICAL FULL HEIGHT HAIRLINE CRACK AT CENTER OF PIER 2. AGGREGATION IN CHANNEL. SIDEWALK SETTLED AT NORTHEAST CORNER.

THINK SAFETY FIRST



LOOKING NORTH FROM ROAD



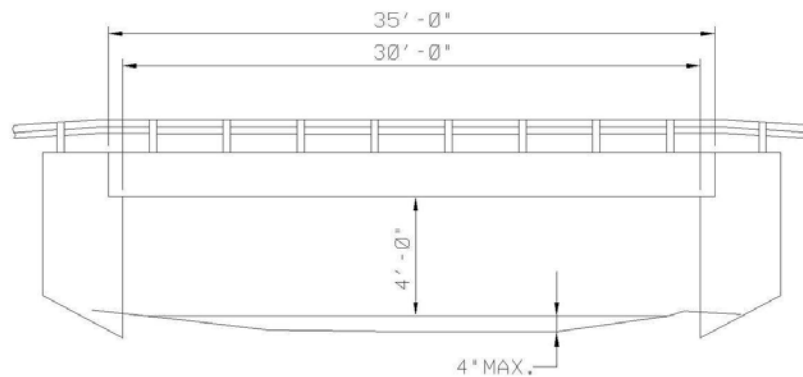
LOOKING SOUTH FROM ROAD



LOOKING WEST IN CHANNEL



LOOKING EAST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00076
PARK DR over LITTLE INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100002
Facility Carried: PARK DR

Bridge Number: 31-00076
Feature(s) Intersected: LITTLE INDIAN CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100002	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00076	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	152000000	5B. Road Number On:	0000
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	42048 (LANESVILLE)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	LITTLE INDIAN CREEK	99. Border Bridge Number:	
7. Facility Carried:	PARK DR	9C. Map Location:	S-13
9A. Location:	00.10 N OF SR 62	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	085° 58' 57.54"
16. Latitude:	38° 14' 22.38"		

STRUCTURE DATA

43A. Structure Type - Main Span:	101 A (RCS - 101A)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2002	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	5 (HIGHWAY/PEDESTRIAN)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000140 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000230 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	001 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0030.0 ft.	49. Structure Length:	00035.0 ft.
50A. Sidewalk/Curb Left:	08.0 ft.	50B. Sidewalk/Curb Right:	01.1 ft.
51. Bridge Roadway Width:	024.9 ft.	52. Deck Width (O-O):	034.0 ft.
32. Approach Roadway Width:	025.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.9 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100002
 Facility Carried: PARK DR

Bridge Number: 31-00076
 Feature(s) Intersected: LITTLE INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 19	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - HAIRLINE CRACKS	.....CONCRETE	7
58.01 Wearing Surface:.....GOOD - LIGHT SURFACE WEAR	.....CONCRETE	7
59. Superstructure:.....GOOD - NO PROBLEMS NOTED	.....REINF CONC SLAB	7
60. Substructure:.....VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE	8
61. Channel:.....GOOD - AGGREGATION	.....NATURAL AND RIPRAP	7
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....GOOD - CRACKED, SETTLING	.....BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....VERY GOOD - NO PROBLEMS NOTED	7	8
68. Geometry:.....BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		6
72. Roadway Alignment:....."T" INTERSECTION N END, NEARLY ON GRADE, DRIVE SW		4
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		K (OTHER)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100002
Facility Carried: PARK DR

Bridge Number: 31-00076
Feature(s) Intersected: LITTLE INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000230 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, UNDERPINNING THE CURB AT SOUTHEAST CORNER, REPAIRING DAMAGED GUARDRAIL POST, BACKFILLING AND PROTECTING SHOULDERS AT SOUTHEAST, SOUTHWEST, AND NORTHWEST CORNERS OF BRIDGE.

596. Total Project Cost:..... \$000014 x 1000

INSPECTION DATA

90. Date:..... 08/23/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	28 Years	SUFFICIENCY RATING	91.0	91
	B: Deck:.....	50 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	50 Years			
	F: Approach:.....	09 Years			
	G: Channel:.....	40 Years			
	H: Culvert:.....	NA Years			

REMARKS

TRANSVERSE CRACKS IN SLAB WITHIN 3 FEET OF EACH END OF BRIDGE. GUARDRAIL POST DAMAGED AT NORTHWEST CORNER. VERTICAL HAIRLINE CRACKS IN COPINGS OF SLAB, HORIZONTAL CRACK BETWEEN SLAB TOP AND CURB. DIAGONAL HAIRLINE CRACKS EXTEND 8 FEET FROM BOTH ABUTMENTS WITH LIGHT EFFLORESCENCE. AGGREGATION IN CHANNEL. SIDEWALK/CURB IS UNDERCUT AT SOUTHEAST CORNER. APPROACHES ARE SETTLING AT BRIDGE ENDS.

THINK SAFETY FIRST



LOOKING NORTH ON ROAD



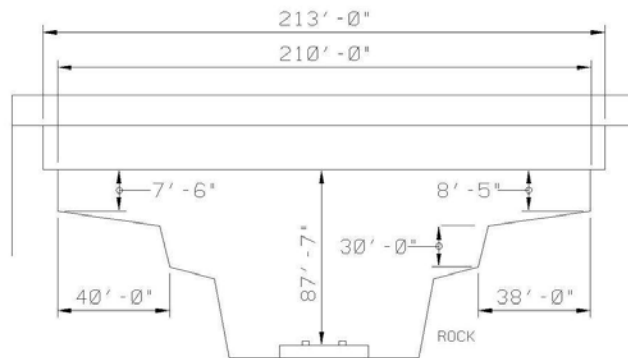
LOOKING SOUTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING NORTH AT BOTTOM OF SUPERSTRUCTURE



STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100047
Facility Carried: TUNNEL RD

Bridge Number: 31-00081
Feature(s) Intersected: N&W RR

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100047
8L. County Bridge Number:..... 00081
8X. Structure Name:.....
5A. Inventory Route On:..... 142002480
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... N&W RR
7. Facility Carried:..... TUNNEL RD
9A. Location:..... 00.30 S OF SR 64
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 19' 26.88"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00248
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... G-7
11B. Mile Point (under):.....
17. Longitude:..... 086° 11' 36.19"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 302 E (SG - 302E)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 001
107. Deck Structure Type:..... 1 (CONCRETE CAST-IN-PLACE)
108A. Wearing Surface:..... 1 (CONCRETE)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1982
27B. Paint Date:.....
59B. Paint Rating:..... N
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000220 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000360 VPD
109. Average Truck Traffic:..... 05 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 0000
59C. Tons Steel:.....
42B. Type of Service Under:..... 2 (RAILROAD)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 003 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0210.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 024.0 ft.
32. Approach Roadway Width:..... 020.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 024.0 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 030.0 ft.
55A. Min Latr. Cl. Right - Code:..... R
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00213.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 027.3 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 87' 07"
54A. Min Vert Clear Code:..... R

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100047
 Facility Carried: TUNNEL RD

Bridge Number: 31-00081
 Feature(s) Intersected: N&W RR

NAVIGATION

38. Navigational Control:..... N	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - HAIRLINE CRACKS W/ EFFL.	CONCRETE	7
58.01 Wearing Surface:.....	GOOD - TRANS. HAIRLINE CRACKS	CONCRETE	7
59. Superstructure:.....	GOOD - WEATHERING STEEL	SIMPLE STEEL GIRDER	7
60. Substructure:.....	GOOD - HAIRLINE CRACKS	CONCRETE	7
61. Channel:.....	N/A	N/A	N
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - SETTLED	BITUMINOUS	7

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	GOOD - NO PROBLEMS NOTED		7	7
68. Geometry:.....	BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE		5	5
69. Underclearance:.....	NOT APPLICABLE		9	9
71. Waterway Adequacy:.....	NOT APPLICABLE			N
72. Roadway Alignment:.....	HORIZONTAL CURVE & DOWNGRADE EACH END			7
36A. Traffic Safety Features (Bridge Railings):.....		1 (MEETS CURRENT SAFETY STANDARDS)		
36B. Traffic Safety Features (Transitions):.....		1 (MEETS CURRENT SAFETY STANDARDS)		
36C. Traffic Safety Features (Approach Guardrail):.....		1 (MEETS CURRENT SAFETY STANDARDS)		
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....		A (CONCRETE BARRIER RAIL)		
113A. Scour Critical Bridge:.....				N (N/A)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100047
Facility Carried: TUNNEL RD

Bridge Number: 31-00081
Feature(s) Intersected: N&W RR

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000360 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING END TREATMENTS, B.E.M'S, AND CURVE WARNING SIGNS, REPLACING SOUTH END JOINT, CLEANING THE NORTH JOINT, AND REMOVING TREES FROM UNDER THE BRIDGE.

596. Total Project Cost:..... \$000008 x 1000

INSPECTION DATA

90. Date:..... 08/20/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	16 Years	SUFFICIENCY RATING	94.5	94.5
	B: Deck:.....	40 Years	Functionally Obsolete:	N	N
	C: Joints:.....	00 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	12 Years			
	G: Channel:.....	NA Years			
	H: Culvert:.....	NA Years			

REMARKS

SOUTH END JOINT MISSING, NORTH END JOINT FILLED WITH SAND. TRANSVERSE HAIRLINE CRACKS OVER PANEL JOINTS AND SHRINKAGE CRACKS THROUGHOUT WEARING SURFACE. HAIRLINE CRACKS WITH EFFLORESCENCE IN CONCRETE RAILING AND COPINGS. SURFACE RUST TO LIGHT PITTING RUST ON STEEL BEAMS WITH PATCHES OF VERY LIGHT FLAKING. RUST ABOVE BEARING AREAS ON BEAM WEBS. HAIRLINE VERTICAL CRACKS IN ABUTMENTS. TREES GROWING UNDER AND AROUND BRIDGE ENDS. CRACKING BITUMINOUS AND SETTLING AT ENDS OF CONCRETE APPROACH SLABS.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



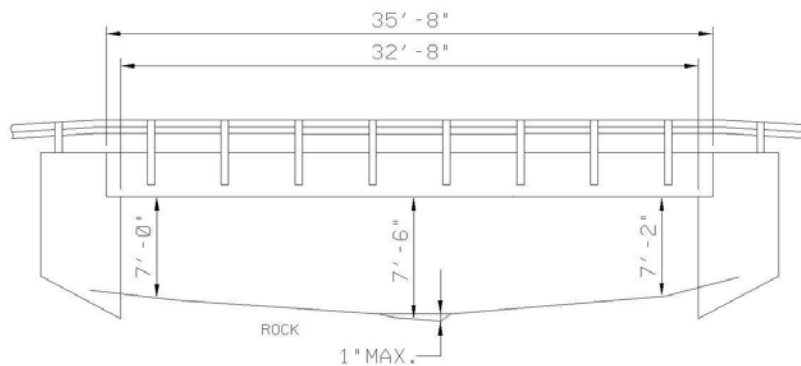
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00082
 SEVEN SPRINGS RD over UNION CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100049
Facility Carried: SEVEN SPRINGS RD

Bridge Number: 31-00082
Feature(s) Intersected: UNION CREEK

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100049	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00082	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142000290	5B. Road Number On:	00029
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	UNION CREEK	99. Border Bridge Number:	
7. Facility Carried:	SEVEN SPRINGS RD	9C. Map Location:	T-18
9A. Location:	00.10 N OF MORGAN'S LN	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	085° 58' 35.65"
16. Latitude:	38° 09' 16.75"		

STRUCTURE DATA

43A. Structure Type - Main Span:	302 D (SB - 302D)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	2002	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	8	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000630 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	001040 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	005 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0032.7 ft.	49. Structure Length:	00035.7 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.2 ft.	52. Deck Width (O-O):	024.7 ft.
32. Approach Roadway Width:	023.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	00 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.0 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Cl. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100049	Bridge Number: 31-00082
Facility Carried: SEVEN SPRINGS RD	Feature(s) Intersected: UNION CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 08	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	VERY GOOD - NO PROBLEMS NOTED	CONCRETE SLAB	8
58.01 Wearing Surface:.....	GOOD - LOOSE STONE CHIPS AT EDGES	CONCRETE	7
59. Superstructure:.....	VERY GOOD - NO PROBLEMS NOTED	SIMPLE STEEL BEAM	8
60. Substructure:.....	GOOD - HONEYCOMB, CRACKS	CONCRETE	7
61. Channel:.....	GOOD - AGGREDATION	NATURAL	7
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	VERY GOOD - NO PROBLEMS NOTED	BITUMINOUS	8

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	Unofficial	Official
67. Structural:..... GOOD - MINOR CRACKS	7	7
68. Geometry:..... MEETS MIN. TOLERABLE LIMITS TO LEAVE IN PLACE	4	4
69. Underclearance:..... NOT APPLICABLE	N	N
71. Waterway Adequacy:..... ADEQUATE		7
72. Roadway Alignment:..... CREST VC & SLIGHT HORIZONTAL CURVE EACH END, INTERSECTION SE		6
36A. Traffic Safety Features (Bridge Railings):..... 1 (MEETS CURRENT SAFETY STANDARDS)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):..... 1 (MEETS CURRENT SAFETY STANDARDS)		
36X. Bridge Rail Type:..... Q (STEEL)		
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100049
Facility Carried: SEVEN SPRINGS RD

Bridge Number: 31-00082
Feature(s) Intersected: UNION CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 001040 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURRENT STANDARD APPROACH GUARDRAIL WITH B.E.M'S.

596. Total Project Cost:..... \$000005 x 1000

INSPECTION DATA

90. Date:..... 08/22/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	22 Years	SUFFICIENCY RATING	87.8	87.8
	B: Deck:.....	45 Years	Functionally Obsolete:	N	N
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	50 Years			
	E: Substructure:.....	50 Years			
	F: Approach:.....	14 Years			
	G: Channel:.....	50 Years			
	H: Culvert:.....	NA Years			

REMARKS

TOPS OF BOTH FOOTINGS ARE EXPOSED. VERTICAL FULL HEIGHT HAIRLINE CRACKS WITH EFFLORESCENCE ON NORTH AND SOUTH BENTS. AGGREGATION IN CHANNEL WITH LIGHT BANK EROSION.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



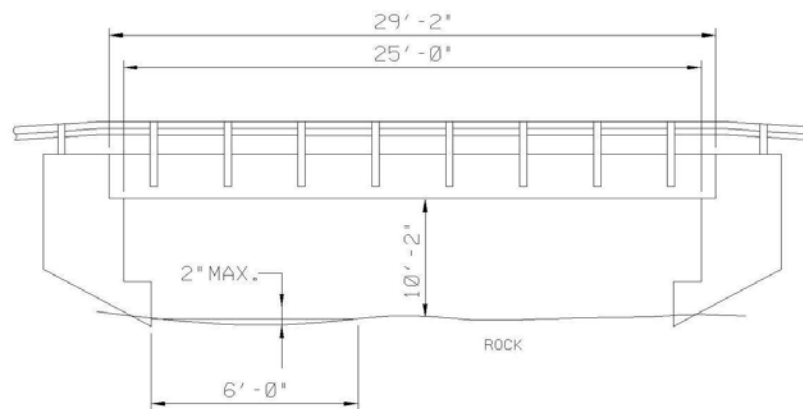
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00083
 HILLVIEW RD over BRANCH OF BLUE RIVER

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100060
Facility Carried: HILLVIEW RD

Bridge Number: 31-00083
Feature(s) Intersected: BRANCH OF BLUE RIVER

IDENTIFICATION

1. State:	185 (INDIANA)	8S. INDOT Bridge Number:	
8. NBI Number:	3100060	8SD. INDOT Bridge Desig:	
8L. County Bridge Number:	00083	8C. Old Bridge No:	
8X. Structure Name:		8E. New Bridge No:	
5A. Inventory Route On:	142003030	5B. Road Number On:	00303
5A. Inventory Route Under:		5B. Road Number Under:	
2. District:	05 (SEYMOUR)	4. City/Town:	00000 (N/A)
3. County:	031 (HARRISON)	98. Border Bridge:	
6. Feat Intersected:	BRANCH OF BLUE RIVER	99. Border Bridge Number:	
7. Facility Carried:	HILLVIEW RD	9C. Map Location:	B-7
9A. Location:	00.20 S OF HUGGINS RD	11B. Mile Point (under):	
11A. Mile Point (over):	0000.000	17. Longitude:	086° 16' 23.70"
16. Latitude:	38° 19' 31.58"		

STRUCTURE DATA

43A. Structure Type - Main Span:	505 (PCBB - 506)	44A. Structure Type - Approach:	000
43C. Main Span Widening Type:		44C. Other Approach Types:	N
45. Number of Spans - Main:	001	46. Number of Spans - Approach:	0000
107. Deck Structure Type:	1 (CONCRETE CAST-IN-PLACE)	108B. Membrane:	NONE
108A. Wearing Surface:	1 (CONCRETE)	108D. Thickness of Asphalt:	00.00 Inches
108C. Protection:	0 (NONE)		

AGE OF SERVICE

27A. Year Built:	1987	106A. Reconstructed:	0000
27B. Paint Date:		106B. Repaired:	0000
59B. Paint Rating:	N	59C. Tons Steel:	
42A. Type of Service Over:	1 (HIGHWAY)	42B. Type of Service Under:	5 (WATERWAY)
28A. Lanes on Structure:	02	28B. Lanes Under Structure:	00
29A. ADT - Over:	000240 VPD	30A. ADT Year Over:	2013
29B. ADT - Under:	VPD	30B. ADT Year Under:	
114. Future ADT:	000390 VPD	115. Future ADT Year:	2033
109. Average Truck Traffic:	05 % Trucks	19. Bypass Detour Length:	009 mi.

GEOMETRIC DATA

48. Maximum Span Length:	0025.5 ft.	49. Structure Length:	00029.2 ft.
50A. Sidewalk/Curb Left:	00.0 ft.	50B. Sidewalk/Curb Right:	00.0 ft.
51. Bridge Roadway Width:	024.4 ft.	52. Deck Width (O-O):	024.4 ft.
32. Approach Roadway Width:	023.0 ft.	33. Bridge Median:	0 (NO MEDIAN)
34. Skew:	15 Degree(s)	35. Structure Flared:	0 (NO FLARE)
10A. Defense Vertical Clearance - Over:	99' 99"	10B. Defense Vertical Clearance - Under:	
47A. Total Horiz. Clearance Over East/North:	024.4 ft.	47B. Total Horiz. Clearance Over West/South:	ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):	ft.	47D. Total Horiz. Clearance Over West/South (First UnderRec):	ft.
53. Vertical Clearance/Deck:	99' 99"		
55B. Lateral Right:	000.0 ft.	54B. Underclearance:	00' 00"
55A. Min Latr. Right - Code:	N	54A. Min Vert Clear Code:	N
56. Lateral Left:	000.0 ft.		

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100060
 Facility Carried: HILLVIEW RD

Bridge Number: 31-00083
 Feature(s) Intersected: BRANCH OF BLUE RIVER

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

CONDITION	MATERIAL	RATING
58. Deck:.....GOOD - POPOUTS, HAIRLINE CRACKS	.....CONCRETE	7
58.01 Wearing Surface:..... GOOD - LT. SURF. WEAR, POPOUTS	.....CONCRETE	7
59. Superstructure:.....VERY GOOD - NO PROBLEMS NOTED	.....PCBB	8
60. Substructure:.....VERY GOOD - NO PROBLEMS NOTED	.....CONCRETE ABUTMENT	8
61. Channel:.....GOOD - DEBRIS IN CHANNEL	.....NATURAL AND RIPRAP	7
62. Culv/Ret:.....N/A	.....N/A	N
65. Approach Roadway:.....SATIS - EROSION @ NW CORNER	.....BITUMINOUS	6

LOAD RATING AND POSTING

31. Design Load:..... 5 (HS 20)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:.. 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 5 (NO RATING ANALYSIS OR EVALUATION PERFORMED)
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

COMMENTS	Unofficial	Official
67. Structural:.....VERY GOOD - SURFACE WEAR & POPOUTS IN DECK	8	8
68. Geometry:.....BETTER THAN MIN. ADEQUACY TO LEAVE IN PLACE	5	5
69. Underclearance:.....NOT APPLICABLE	N	N
71. Waterway Adequacy:.....ADEQUATE		8
72. Roadway Alignment:.....CREST VC & HORIZONTAL CURVE EACH END		5
36A. Traffic Safety Features (Bridge Railings):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36B. Traffic Safety Features (Transitions):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36C. Traffic Safety Features (Approach Guardrail):..... 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36D. Traffic Safety Features (Approach Guardrail Ends):.. 0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)		
36X. Bridge Rail Type:.....		G (STEEL)
113A. Scour Critical Bridge:.....		8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100060
Facility Carried: HILLVIEW RD

Bridge Number: 31-00083
Feature(s) Intersected: BRANCH OF BLUE RIVER

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN VERY GOOD CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000390 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARNING SIGNS, AND CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH B.E.M'S, AND REPAIRING SHOULDER EROSION AT NORTHWEST CORNER OF BRIDGE.

596. Total Project Cost:..... \$000012 x 1000

INSPECTION DATA

90. Date:..... 08/20/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... N B:..... N C:..... N
93. Date: A:..... B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	14 Years	SUFFICIENCY RATING	90.3	90.4
	B: Deck:.....	25 Years	Functionally Obsolete:	N	N
	C: Joints:.....	15 Years	Structurally Deficient:	N	N
	D: Superstructure:.....	35 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	12 Years			
	G: Channel:.....	50 Years			
	H: Culvert:.....	NA Years			

REMARKS

SMALL POPOUTS WITH LIGHT SURFACE WEAR ON DECK. FOOTINGS EXPOSED AND KEYED INTO ROCK. LIGHT WATER SEEPAGE STAINS AT BRIDGE SEATS. DEBRIS IN CHANNEL AND UNDERCUT TREES ON BANKS. APPROACHES CRACKING AND SETTLING AT BRIDGE ENDS WITH SHOULDER EROSION AT NORTHWEST EFFECTING EDGE OF ROADWAY.

THINK SAFETY FIRST



LOOKING SOUTH FROM ROAD



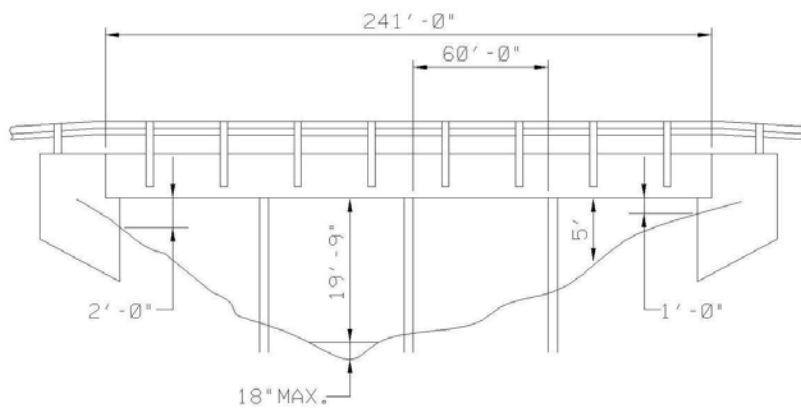
LOOKING NORTH FROM ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00084
ROCKY HOLLOW RD over INDIAN CREEK

STRUCTURE INVENTORY AND APPRAISAL REPORT - 1

NBI Number: 3100061
Facility Carried: ROCKY HOLLOW RD

Bridge Number: 31-00084
Feature(s) Intersected: INDIAN CREEK

IDENTIFICATION

1. State:..... 185 (INDIANA)
8. NBI Number:..... 3100061
8L. County Bridge Number:..... 00084
8X. Structure Name:.....
5A. Inventory Route On:..... 142001430
5A. Inventory Route Under:.....
2. District:..... 05 (SEYMOUR)
3. County:..... 031 (HARRISON)
6. Feat Intersected:..... INDIAN CREEK
7. Facility Carried:..... ROCKY HOLLOW RD
9A. Location:..... 00.70 S OF FIVE OAKS RD
11A. Mile Point (over):..... 0000.000
16. Latitude:..... 38° 08' 41.51"
8S. INDOT Bridge Number:.....
8SD. INDOT Bridge Desig:.....
8C. Old Bridge No:.....
8E. New Bridge No:.....
5B. Road Number On:..... 00143
5B. Road Number Under:.....
4. City/Town:..... 00000 (N/A)
98. Border Bridge:.....
99. Border Bridge Number:.....
9C. Map Location:..... E-19
11B. Mile Point (under):.....
17. Longitude:..... 086° 13' 27.79"

STRUCTURE DATA

43A. Structure Type - Main Span:..... 300 A (SRRFC - 300A)
43C. Main Span Widening Type:.....
45. Number of Spans - Main:..... 004
107. Deck Structure Type:..... 3 (OPEN GRATING)
108A. Wearing Surface:..... 9 (OTHER)
108C. Protection:..... 0 (NONE)
44A. Structure Type - Approach:..... 000
44C. Other Approach Types:..... N
46. Number of Spans - Approach:..... 0000
108B. Membrane:..... NONE
108D. Thickness of Asphalt:..... 00.00 Inches

AGE OF SERVICE

27A. Year Built:..... 1985
27B. Paint Date:.....
59B. Paint Rating:..... 0
42A. Type of Service Over:..... 1 (HIGHWAY)
28A. Lanes on Structure:..... 02
29A. ADT - Over:..... 000120 VPD
29B. ADT - Under:..... VPD
114. Future ADT:..... 000230 VPD
109. Average Truck Traffic:..... 00 % Trucks
106A. Reconstructed:..... 0000
106B. Repaired:..... 2003
59C. Tons Steel:.....
42B. Type of Service Under:..... 5 (WATERWAY)
28B. Lanes Under Structure:..... 00
30A. ADT Year Over:..... 2013
30B. ADT Year Under:.....
115. Future ADT Year:..... 2033
19. Bypass Detour Length:..... 199 mi.

GEOMETRIC DATA

48. Maximum Span Length:..... 0060.0 ft.
50A. Sidewalk/Curb Left:..... 00.0 ft.
51. Bridge Roadway Width:..... 019.3 ft.
32. Approach Roadway Width:..... 017.0 ft.
34. Skew:..... 00 Degree(s)
10A. Defense Vertical Clearance - Over:..... 99' 99"
47A. Total Horiz. Clearance Over East/North:..... 019.3 ft.
47C. Total Horiz. Clearance Over East/North (First UnderRec):..... ft.
53. Vertical Clearance/Deck:..... 99' 99"
55B. Lateral Right:..... 000.0 ft.
55A. Min Latr. Cl. Right - Code:..... N
56. Lateral Left:..... 000.0 ft.
49. Structure Length:..... 00241.0 ft.
50B. Sidewalk/Curb Right:..... 00.0 ft.
52. Deck Width (O-O):..... 020.0 ft.
33. Bridge Median:..... 0 (NO MEDIAN)
35. Structure Flared:..... 0 (NO FLARE)
10B. Defense Vertical Clearance - Under:.....
47B. Total Horiz. Clearance Over West/South:..... ft.
47D. Total Horiz. Clearance Over West/South (First UnderRec):... ft.
54B. Underclearance:..... 00' 00"
54A. Min Vert Clear Code:..... N

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 2

NBI Number: 3100061	Bridge Number: 31-00084
Facility Carried: ROCKY HOLLOW RD	Feature(s) Intersected: INDIAN CREEK

NAVIGATION

38. Navigational Control:..... 0	40. Navigation Horizontal Clearance:..... 0000.0 ft.
39. Navigation Vertical Clearance:..... 000.0 ft.	116. Vertical Clearance - Lift Bridge:.....
111. Pier/Abutment Protection:.....	

CLASSIFICATION

112. NBIS Bridge Length:..... Y	12. Base Highway Network:..... 0
104A. Highway System - Over:..... 0	104B. Highway System - Under:.....
26A. Func. Class - Over:..... 09	13A. LRS Inventory Route:.....
26B. Func. Class - Under:.....	13B. LRS Inventory Subroute:.....
100. Defense Highway Des:..... 0	101. Parallel Structure Des:..... N
102. Direction of Traffic:..... 2 (2-WAY TRAFFIC)	103. Temporary Structure Des:.....
110. Des. Nat. Network:..... 0	20. Toll:..... 3 (ON FREE ROAD)
21. Maint. Responsibility:..... 02 (COUNTY HIGHWAY AGENCY)	22. Owner:..... 02 (COUNTY HIGHWAY AGENCY)
37. Historical Significance:..... 5 (NOT ELIGIBLE)	

CONDITION

	CONDITION	MATERIAL	RATING
58. Deck:.....	GOOD - NO PROBLEMS NOTED	STEEL GRID (OPEN)	7
58.01 Wearing Surface:.....	GOOD - PATCHES OF SURF. RUST	STEEL GRID (OPEN)	7
59. Superstructure:.....	SATIS - MEDIUM RUST OVERALL	STEEL RAILROAD FLAT CAR	6
60. Substructure:.....	GOOD - NO PROBLEMS NOTED	CONCRETE CAP ON PILES	7
61. Channel:.....	SATIS - BRUSHY, DRIFT	NATURAL	6
62. Culv/Ret:.....	N/A	N/A	N
65. Approach Roadway:.....	GOOD - NEW BITUMINOUS	BITUMINOUS/GRAVEL	7

LOAD RATING AND POSTING

31. Design Load:..... 0 (UNKNOWN)	64B. Year of Rating:..... 2010
64. Operating Rating:..... 45	63. Oper Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66. Inventory Rating:..... 36	65. Inv Rating Method:..... 2 (ALLOWABLE STRESS (AS))
66B. Gross Tons or H Rating:..... 20 Tons	
70. Bridge Posting:..... 5 (EQUAL TO OR ABOVE LEGAL LOADS)	
41. Open, Posted, or Closed:..... A (OPEN)	
66C. Tons Posted:.....	66D. Date Posted/Closed:.....
Restriction Signage:.....	

APPRAISAL

	COMMENTS		Unofficial	Official
67. Structural:.....	SATIS - RUST ON RAILROAD FLAT CARS		6	6
68. Geometry:.....	BASICALLY INTOLERABLE - NARROW DECK GEOMETRY		3	3
69. Underclearance:.....	NOT APPLICABLE		N	N
71. Waterway Adequacy:.....	ADEQUATE			6
72. Roadway Alignment:.....	NEARLY ON GRADE, SHARP HORIZONTAL CURVE N			3
36A. Traffic Safety Features (Bridge Railings):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36B. Traffic Safety Features (Transitions):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36C. Traffic Safety Features (Approach Guardrail):.....	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36D. Traffic Safety Features (Approach Guardrail Ends):..	0 (DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED)			
36X. Bridge Rail Type:.....				G (STEEL)
113A. Scour Critical Bridge:.....				8 (STABLE)

THINK SAFETY FIRST

STRUCTURE INVENTORY AND APPRAISAL REPORT - 3

NBI Number: 3100061
Facility Carried: ROCKY HOLLOW RD

Bridge Number: 31-00084
Feature(s) Intersected: INDIAN CREEK

PROPOSED IMPROVEMENTS

73. Year Needed:.....
75. Type of Work:.....

Describe Item 75:

THIS STRUCTURE IS IN SATISFACTORY CONDITION. NO MAJOR WORK NEEDED.

76. Improvement Length:..... 000000 ft.
94. Bridge Improvement Costs:..... \$000000 x 1000
95. Roadway Improvement Costs:..... \$000000 x 1000
96. Total Project Cost:..... \$000000 x 1000
97. Year of Cost Estimate:.....
114. Future ADT:..... 000230 VPD
115. Year of Future ADT:..... 2033

INDIANA AND LOCAL MAINTENANCE NEEDS

573. Year Needed:..... 2012

Describe Item 575:

RECOMMEND INSTALLING CURVE WARINGING SIGNS, NARROW BRIDGE SIGNS, CURRENT STANDARD BRIDGE AND APPROACH GUARDRAIL WITH B.E.M'S, AND CLEANING BRIDGE SEATS AND METAL GRATING OVER R/R CARS.

596. Total Project Cost:..... \$000025 x 1000

INSPECTION DATA

90. Date:..... 08/21/2012 91.Des. Inspection Frequency:..... 24 Months
92. Critical Feature Inspection: A:..... Y 24 B:..... N C:..... N
93. Date: A:..... 09/17/2012 B:..... C:.....

REMAINING LIFE

			Unofficial	Official	
63X. Estimated Remaining Life:	A: Wearing Surface:.....	20 Years	SUFFICIENCY RATING	67.5	67.7
	B: Deck:.....	20 Years	Functionally Obsolete:	Y	Y
	C: Joints:.....	NA Years	Structurally Deficient:	N	N
	D: Superstructure:.....	33 Years			
	E: Substructure:.....	40 Years			
	F: Approach:.....	15 Years			
	G: Channel:.....	30 Years			
	H: Culvert:.....	NA Years			

REMARKS

OPEN METAL GRATE HAS PATCHES OF SURFACE RUST AND ARE PACKED WITH GRAVEL AT BRIDGE ENDS. BENT SECONDARY MEMBERS ON SUPERSTRUCTURE. PEELING PAINT AND FLAKING RUST ON NORTH TWO SPANS. WATER SEEPAGE ONTO BEARING SEATS. MODERATE TO HEAVY AGGREDATION IN CHANNEL WITH LARGE LOG JAMS AND FALLEN TREES DOWNSTREAM. DEBRIS CAUGHT IN RR CARS. NEW BITUMINOUS ON NORTH AND SOUTH APPROACHES.

THINK SAFETY FIRST



LOOKING SOUTH ON ROAD



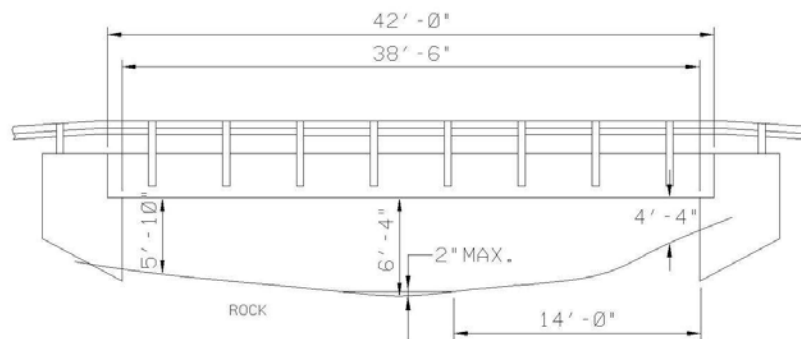
LOOKING NORTH ON ROAD



LOOKING EAST IN CHANNEL



LOOKING WEST IN CHANNEL



HARRISON COUNTY - BRIDGE NO. 00085
 COEN TUSH RD over CORN CREEK