

**HARRISON COUNTY
BRIDGE INSPECTION
PROJECT NO. BR-NBIS(570)
DES. NO. 0600225
PHASE 2, 2008
FINAL REPORT**



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INTRODUCTION AND SCOPE OF PHASE II BRIDGE INSPECTION REPORT

Phase II is the second two-year period of the four-year contract between the consultant and the county to provide inspection services for all bridges in the county's jurisdiction. At the beginning of this two-year period the consultant will conduct on-site, visual inspections of each bridge and update the phase I report as appropriate.

The on-site field inspection will be conducted by an INDOT certified team leader and other qualified personnel as needed. The field report form, which will include the phase I findings and appraisals, will be reviewed and updated at each bridge site. Measurements of all new, rehabilitated, or repaired bridges will be taken and recorded. New digital photographs will be taken wherever a bridge or condition has changed since the phase I inspection.

The load rating calculations will be reviewed and revised as necessary.

The final report will include individual Structure Inventory and Appraisal Sheets of each bridge along with appropriate photographs and sketches, all required summary reports, maps showing bridge locations, and the complete report on CD.

Additional In-depth inspection reports will be conducted as necessary and documented in the final bridge inspection report.

NARRATIVE / INTRODUCTION

This report was prepared in accordance with the following publications:

Federal Highway Administration, Bridge Inspector's Training Manual 90. 1991;

AASHTO, Manual for Condition Evaluation of Bridges, 1994;

Federal Highway Administration, Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges, December 1995.

INDOT County Bridge Inspection Guide. 1991.

The Structure Inventory and Appraisal Sheets for each bridge were prepared utilizing Microsoft Access '97. The format used is the same as the County Bridge Inspection program developed by INDOT.

LISTING OF PERSONNEL AND QUALIFICATIONS

Name/Title: Kevin R. Loisel, P.E., Senior Project Manager

Qualifications: Professional Engineer with over 20 years experience in bridge design and inspection. Project Manager for thirteen Indiana County bridge inspection contracts. Completed NHI Course, Safety Inspection of In-Service Bridges and Fracture Critical Inspection Techniques for Steel Bridges Course.

Responsibilities: Supervised field data collection. Performed fracture critical inspections. Reviewed final report.

Name/Title: Robert D. Chandler II, P.E., Project Engineer

Qualifications: B.S.C.E. 2000, Purdue University. Associate Engineer responsible for inspection of county bridges and data analysis. Completed NHI Course, Safety Inspection of In-Service Bridges and Fracture Critical Inspection Techniques for Steel Bridges course. Inspected, rated, and prepared reports for bridge inspections in eight counties.

Responsibilities: Prepared rating calculations.

Name/Title: James E. Evans, Inspection Team Leader

Qualifications: Completed NHI Courses, Safety Inspection of In-Service Bridges and Fracture Critical Inspection Techniques for Steel Bridges. Attended Lain Technical Institute and completed several IUPUI civil engineering classes. Performed field inspections and report preparation for sixteen other counties. Thirty plus years experience in preparation of bridge plans. Spent two years as member of INDOT bridge inspection group. Five years bridge and road construction inspection experience.

Responsibilities: Performed field inspections and data collection. Prepared cost estimates, priority schedules and bridge reports.

Name/Title: Rick Yoder

Qualifications: Computer Programmer

Responsibilities: Design & development of software used in preparation and creation of the bridge inspection report.

SIGNATURES OF TEAM LEADERS

One of the following Team Leaders was present and was actively involved in the field inspections of all bridges in Harrison County. This includes all biennial, fracture critical and special detail inspections.

Kevin R. Loiselle, P.E.

Robert D. Chandler II, P.E.

James E. Evans