

Infrasense Completes Condition Surveys of 41 Bridge Decks in Northcentral Wisconsin

Infrasense recently evaluated the condition of 41 bridge decks located in northcentral Wisconsin. The deck evaluations utilized vehicle-based infrared thermography, high-resolution video, and ground penetrating radar. These NDE scanning methods provide accurate, comprehensive, quantitative deck condition information at a relatively low-cost.

APPLETON, Wis. ([PRWEB](#)) January 05, 2021 -- Infrasense recently evaluated the condition of 41 bridge decks located in northcentral Wisconsin. The deck evaluations utilized vehicle-based infrared thermography, high-resolution video, and ground penetrating radar. All testing was carried out at a rolling speed, which allowed for spot verification via hammer sounding.

Following the field surveys, the data was transferred to Infrasense's headquarters in Woburn, Massachusetts for quality assurance (QA) review, analysis, and reporting. The analysis was completed with the support of internally developed proprietary software. The software is specifically catered to the analysis of GPR, infrared, and visual data for bridge deck and pavement applications. The analysis of the Wisconsin bridge deck data resulted in quantities concrete delamination, deterioration, patching, and spalling for all decks surveyed, and maps for a subset of decks. This multi-level analysis approach allows for efficient use of funding for deck survey work, while providing the level of detail required for each bridge. These results are delivered in a comprehensive report with descriptions of the data collection procedures, equipment, analysis methods, and results obtained. The results are also entered into Wisconsin's bridge management system for future reference.

This past year, Infrasense evaluated the condition of over 1000 bridge decks including nondestructive testing of decks in Wisconsin, Missouri, Florida, New York, Massachusetts, Connecticut, Indiana, Pennsylvania, Rhode Island, Idaho, Louisiana, Ohio, and Washington D.C. Over the past 10 years, Infrasense has completed deck surveys of over 2000 bridge decks in Wisconsin alone. Infrasense methods have addressed a variety of bridge structure types, including asphalt, concrete, and epoxy overlays, stay-in-place forms, slab on girders, one-way slabs, and box girders. We have handled structures ranging in size from small 20-foot long stream crossings to major river crossings and viaducts up to 3 miles in length.

About Infrasense, Inc.

Since 1987, Infrasense, Inc. has applied advanced technologies to address the most difficult challenges in subsurface scanning. Infrasense engineers extract critical information using non-destructive methods from a diverse range of structures. In addition to providing ongoing subsurface evaluation services to clients across the country, the firm has also conducted numerous research programs to advance the field of subsurface detection and nondestructive evaluation. To learn more about Infrasense and the services we provide, visit our website: <http://www.infrasense.com>



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