



MD 90 Top and Underside Bridge Inspection

SUMMARY

In 2012, Nexco-West USA worked with AECOM to investigate the application of advanced mobile imaging technologies. This project involved a proof-of-concept field demonstration in two bridges: one over Assawoman Bay, and another over St. Martin River.

Both bridges have various types of deterioration and a large quantity of structural elements, and close-up inspections would require access equipment and lane closures. NEXCO performed deck top scanning from a vehicle at a speed of approximately 50 MPH, thus no lane closers were necessary during the inspection.

The final report indicated that the technologies used by NEXCO are efficient tools for condition assessment and monitoring of concrete bridges. It also recommended that these technologies should be applied to identify and quantify bridge condition changes over time through future scans or inspections.



OVERVIEW

Client: AECOM

Contact info: Dr. Y. Edward Zhou
(301-820-3539)

Contract amount: Pilot project

Quantity: The total deck area is 444,828 sqft.

Project period: Nov. 2012 - Jan. 2013



NEXCO - West USA
8300 Boone Blvd. Suite 260
Vienna, VA 22182

+1 (703) 734 - 0281
info@w-nexco-usa.com
www.w-nexco-usa.com