

UTRC-REGION II NEWSWIRE

UTRC Press Release

Tuesday, April 16, 2013

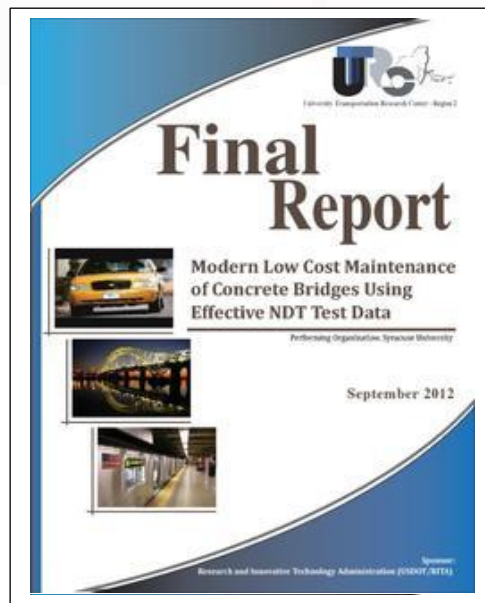
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The University Transportation Research Center Publishes the Final Report for the Research Project Titled: "Modern Low Cost Maintenance of Concrete Bridges Using Effective NDT Test Data"

UTRC has released a final report for the research titled: "**Modern Low Cost Maintenance of Concrete Bridges Using Effective NDT Test Data**", funded by the Research and Innovative Technology Administration/USDOT (RITA). The principal investigator was **Dr. Riyad S. Aboutaha**, an associate professor of Civil and Environmental Engineering at Syracuse University.

This report presents smart use of NDT data to assess the near future service life of concrete bridge components, and its utilization for cost effective maintenance policy, in a limited financial resources environment. The impact of this study enhances the followings: (1) development of better rational for setting maintenance frequency based on condition, (2) development of low-cost preventive maintenance measures for better control of deterioration rate, (3) understanding of financial consequences of delayed maintenance, and (4) reduction of the number of structurally deficient bridges. The study concludes that the most economical way to maintain existing concrete bridges is by adopting an active preventive maintenance approach, which costs just fraction of the current passive approach.

The full report is available for a free download at the UTRC website: <http://www.utrc2.org/publications/concrete-bridges-final>



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About The University Transportation Research Center

The University Transportation Research Center (UTRC) is a USDOT Regional Transportation Center addressing surface transportation operations, management, design economics and planning. The Region 2 University Transportation Research Center is one of ten original National Centers, established in 1987, in recognition that transportation plays a key role in the nation's economy and in the quality of people's lives. Located at the City University of New York, the Center is a Consortium of 17 major Academic Institutions in New York, New Jersey, and Puerto Rico. Through the Grant supporting the Center, the mission incorporates research, education and the transfer of technology in the field of transportation. Academically based, the work of Faculty and Students – graduate and undergraduate provide a critical link in resolving our national and regional transportation problems while training the future and current professionals who address our transportation system and their customers on a daily basis. For more information, visit www.utrc2.org.