

UTRC-REGION II NEWSWIRE

UTRC Press Release

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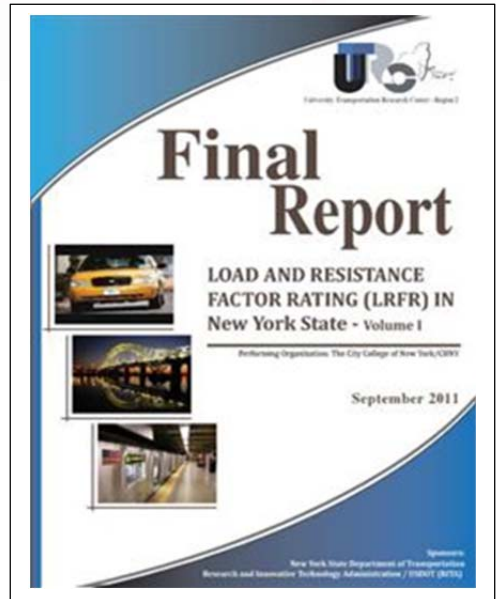
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The University Transportation Research Center (UTRC) Publishes the Final Report: "Load and Resistance Factor Rating in New York State", a NYSDOT Funded Project

UTRC has released a set of two volumes final report on the research titled: "**Load and Resistance Factor Rating in New York State**" funded by the New York State Department of Transportation (NYSDOT) and the Research and Innovative Technology Administration (RITA/USDOT). The principal investigators were Dr. Anil Agrawal, Ph.D., and Dr. Michel Ghosn, Ph.D. from the Civil Engineering Department at the City College of New York.

The report develops a Load and Resistance Factor Rating (NYS-LRFR) methodology for New York bridges. The methodology is applicable for the rating of existing bridges, the posting of under-strength bridges, and checking Permit trucks. The proposed LRFR methodology is calibrated to provide uniform reliability index values for all applications. The reliability calibration of live load factors is based on live load models developed using Truck Weigh-In-Motion (WIM) data collected from several representative New York sites. The live load models provide statistical projections of the maximum live load effects expected on New York bridges.

The full report (two volumes) is available for a free download at the UTRC website: <http://www.utrc2.org/research/projects/load-and-resistance-factor>



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About 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.