

TR202122 - Load and Resistance Factor Rating Methodology Recommendations for Missouri Bridges – RFP Questions & Answers

1. Is it required for the contractor to analyze 300 existing AASHTOWare models, or would MoDOT allow a greatly reduced number through enveloping based on criteria such as bridge type, span length, girder type, etc.? In other words, would MoDOT accept proposals to perform tasks 1-4 and 6-7 while only analyzing a select amount of bridge models in Task 5?

From RFP (page 4):

Task 5: Analyze Steel, Prestressed Concrete and Reinforced Concrete Bridges

The Contractor shall perform analyses on 100 independent models each, for steel, prestressed concrete and reinforced concrete bridges, to compare MoDOT's current process to a new process using LRFR. MoDOT will provide AASHTOWare load rating models for this activity.

From RFP Attachment (page 2):

14. For comparison of load rating methodologies and posting practices, we would desire to have an analysis done on 100 steel, 100 P/S, and 100 RC bridges to compare our current process to a new process using LRFR. AASHTOWare load rating models would be provided for these bridges. The researchers would need to run the models in the software to collect the results that would be used as part of the research. MoDOT would need to investigate whether the researchers could use our software license or be required to acquire a license for the software.

MoDOT Response:

MoDOT's opinion on performing analysis of bridges with the enveloping approach is that it results in coming up with policies that are overly conservative. We feel that a better assessment of our practices is done by doing analysis on a good sample of actual bridges that exist on our inventory. This is a more practical approach to evaluating policy updates and gives results that are based on actual bridges in service and not on theoretical bridges.

MoDOT is confirming that the requirement for Task 5 is to analyze 300 independent AASHTOWare models representing steel, prestressed concrete and reinforced concrete bridges. All 300 models will be provided by MoDOT to the awarded Contractor for this project.

2. Attached to the RFP was a list of questions/comments from MoDOT's Bridge Division that are to be addressed during the research project. Comment #14 mentioned that MoDOT's AASHTOWare BrR license might be available for use by the researchers. Would you please confirm whether or not we will be able to utilize MoDOT's license for this work?

MoDOT Response:

After further review of licensing information on the AASHTOWare website, it has been determined that the Contractor performing the rating analysis will be required to hold their own license of the AASHTOWare product. As the work is being performed for MoDOT, we will provide the awarded

Offerer with a letter indicating they are working on a research project for MoDOT and request that they be given the Special Consultant/Agency Option license. This is a single workstation only license and costs \$5,500 per license.

With this being the case, and because of the cost of an individual license, MoDOT will be adding an additional allowance of \$11,000 for the purchase of 2 licenses, on top of the previously stated not-to-exceed budget of \$175,000 for the project. The purchase of any additional licenses (beyond the two) and any incurred cost will fall upon the Contractor.

The RFP has been amended to reflect the added allowance for the purchase of two licenses.