



# RTI Research Project Statement

Form ProjStmnt  
(Rev. 8/2010)  
(RTI)

<b>RMC:</b>	P	<b>OPR: (for RTI use)</b>	RTI	<b>Project #: (for RTI use)</b>	0-6736
<b>Date:</b>		8/3/11		<b>Research Program Year:</b>	<b>2012</b>
<b>Project Title:</b>		Rider 36 OS/OW Vehicle Fees Study			
<b>Project Constraints:</b>		Project termination date is October 31, 2012			
<b>Project Description:</b>		<p><b>What is the problem?</b> There is a lack of clear understanding regarding the impacts on transportation infrastructure and related operational costs due to the state's OS/OW vehicle traffic. The transportation system must be properly funded, with cost allocation correctly aligned to each user through permit fees.</p> <p><b>Who is impacted by the problem?</b> All Texans.</p> <p><b>What is the significance / scope of the problem?</b> Texas' entire road transportation system is impacted by OS / OW traffic.</p> <p><b>What are the technical objectives of this project?</b></p> <ul style="list-style-type: none"> <li>a. The researchers should evaluate the damage that oversized and overweight vehicles, including exempt vehicles, cause on road infrastructure. Exempt vehicles are listed in the MCD attachment. Based on this evaluation the researchers should provide recommendations for permit fees and fee structure adjustments including highway maintenance fees to properly compensate for the damages caused.</li> <li>b. Calculate the percent difference in overall impacts to roadway infrastructure between freight vehicles operating within defined, legal GVW &amp; axle load limits and those the state allows to operate beyond those limits. Include indirect operating costs as well as direct maintenance costs.</li> <li>c. Define today's OS/OW activity and calculate overall costs attributable to each vehicle configuration.</li> <li>d. Define an approach for analysis of future OS/OW activity and calculation of overall costs.</li> <li>e. Define OS/OW cost elements.</li> </ul> <p><b>What benefits would this project deliver, and how would the results be used within TxDOT?</b> The results of this research will provide needed information for policy and regulatory decisions by TxDOT and the Texas Legislature.</p> <p><b>Additional Guidance:</b> There are several systems to calculate damage. The researchers should use a system that has been calibrated for the conditions in Texas and includes deterioration models that are acceptable for these types of calculations. Recently FHWA has sponsored the development of the Pavement Damage Assessment Tool (PaveDAT). This system may be one of the candidate systems. The PMC will approve the system to be used for damage assessment.</p> <p>There are various sources of OS/OW related data available from TxDOT. They will be described at the pre-proposal meeting.</p>			

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<b>Minimum Deliverables:</b>		<b>Stand-alone Products:</b> None  <b>Reports:</b> - An executive summary to include a brief common language summary of final report due September 30, 2012. - Complete documentation of work performed, methods used, and results achieved due at September 30, 2012. - Project Summary Report due at termination.			
<b>Proposal Requirements:</b>		<ol style="list-style-type: none"><li>1. Proposals will be considered non-responsive and will not be accepted for technical evaluation if they are not received by the deadline or do not meet the requirements stated in Chapters 3 and 4 of RTI's <i>University Handbook</i>.</li><li>2. Proposals should be submitted in PDF format, 1 PDF file per proposal. File name should include project number and university abbreviation.</li><li>3. All proposals should be submitted through the university's Research Liaison to RTI, as instructed in the RFP announcement.</li></ol>			
<b>Pre-proposal Meeting:</b>		Friday, August 19, 2011, 1:30pm – 3:00pm  Austin Riverside Campus 118 E. Riverside Dr RTI Conference Room, 1st Floor Austin, Texas 78704  Attendance through Teleconference or Webinar is available.			
<b>Notifying RTI of Intent to Propose:</b>		Individuals interested in proposing are encouraged to contact <b>Sandra Kaderka</b> at <a href="mailto:sandra.kaderka@txdot.gov">sandra.kaderka@txdot.gov</a> by <b>August 17, 2011</b> so you can be notified if additional project information is distributed by TxDOT, or make arrangements for teleconferencing a pre-proposal meeting.			
<b>Proposal Deadline:</b>		Proposals are due to RTI by <b>4:00 p.m. Central Time, September 7, 2011</b> . Email submissions should be sent to <a href="mailto:rtimain@txdot.gov">rtimain@txdot.gov</a> .			