

Project Title:	Mini Baja 2005
Client:	ONU Engineering Department
School Year:	2004-2005
Students:	Erin Davey and Nicholas Lockwood
Summary:	<p>The SAE Mini Baja Competition is a design project for university students. Team Olivet Mini Baja decided to take part in this design competition for a third consecutive year. The project statement, according to SAE, is “to provide SAE student members with a challenging project that involves the planning and manufacturing tasks found when introducing a new product to the consumer industrial market” (2). The vehicle will be evaluated and scored at the Midwest Competition. The following is a list of the components involved in the evaluation of the Mini Baja vehicle project:</p> <ul style="list-style-type: none"> • Technical and Safety Inspection • Static Events and Required Reports • Dynamic Events <p>To receive maximum points in specific areas Team Olivet has set the following goals:</p> <ul style="list-style-type: none"> • Manual Transmission – to receive maximum scoring in the Speed Event • Frame Analysis – to receive maximum scoring in Engineering Design, Maneuverability, and Endurance events • Suspension Analysis – to receive maximum scoring in the Suspension event <p>The team has been hard at work to accomplish these goals. The manual transmission is still in the implementation process. Frame analysis has been done on each frame design to verify that the design is suitable for the competition. Suspension analysis has been done to provide the best settings for the shocks in the competition to ensure the best results.</p>

