

<b>Project Title:</b>	<b>Team Olivet Mini Baja Frame and Safety Design</b>
<b>Client:</b>	ONU Engineering Department
<b>School Year:</b>	2002-2003
<b>Students:</b>	Lauren Gidcumb
<b>Summary:</b>	<p>The frame and safety team was in charge of finding dealers to supply the frame and safety parts that we needed. The team also had to find companies to donate materials. The team was responsible for the design of the frame and safety equipment that would last through the endurance race and keep the drivers safe.</p> <p>The beginning of the process was choosing chassis material and designing a safe frame. Once this was done other team members began to assemble their parts. Towards the end of production the safety team began to add safety features such as padding and purchasing driver safety equipment.</p> <p>The car passed the safety inspection. Like many other cars it went through inspection twice. Many of the problems during the first inspection were unforeseen. One of these was that the brake light we had was not bright enough. Another was that the threads on all of the bolts needed more threads to be showing beyond the bolts.</p> <p>The alternative designs were limited. With strict safety rules placed on the SAE competition, there were many constraints placed on frame design. The team was able to design the size of the frame. The team was also able to choose products based on cost. Since the minimum requirements for the seatbelt, helmet, and arm restraints were given, the team was in charge of finding the best deal.</p> <p>The frame sustained the testing and endurance race. All drivers were safe even in the event of a rollover. This was the team's objective and it was accomplished.</p>

