

MME 4499 – Mechanical Engineering Capstone Project Proposal Document

Name of Sponsor	Western Fair Association
Title of Project	
The Raceway at Western Fair District's New Starter Vehicle – Modification for New Vehicle, Design Review, Construction, and Documentation – Part 2	
Brief Project Description	
<p>The Raceway at Western Fair District (the Raceway) is a standardbred racetrack operating in the heart of London, Ontario. The Raceway has been part of Ontario's harness racing scene for decades and has often been a pioneer in the industry. The Raceway's starter vehicle was last replaced in 2003.</p> <p>The goal of this project is to modify the starter gate design performed by a 2023-2024 capstone project group for installation into a Chevy Silverado, perform a design review and analysis of the modified design, create a set of engineering drawings, procure components for the new design and be involved in its construction and testing, along with the creation of the accompanying reports.</p>	
Desired Project Deliverables	
<ul style="list-style-type: none">• A modified design along with comprehensive CAD files and design documentation.• A documented design review report.• Documented assembly and test reports.• A fully assembled and integrated starter gate that will be assembled in conjunction with Western Fair Association personnel.	