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Impact Statement: The 02-019 project has given me an opportunity to understand how the rail industry could be affected by the future automated and connected vehicle environment. The majority of transportation engineering courses that are provided by the university are highly focused on the roadway aspect, including “CVEN 696 – Urban Traffic Facilities,” “CVEN 635 – Street and Highway Design,” and “CVEN 766 – Highway Design.” Hence, investigating the impacts of advanced vehicle technologies on railroad systems in conjunction with roadway systems allowed me to have a broader view of multiple modes in transportation. This project also gave me an insight into the real application of how current design and operational standards could be applied to the state-of-the-art technology that the textbook does not cover to a great extent.