Teton County is home to many unique species of wildlife and a seasonally fluctuating population due to tourism. Roadways and scenic byways support tourism and also serve as local resident transportation routes. However, roads partition critical habitat for local wildlife species and increasing road use has, in turn, increased wildlife-vehicle collisions. To address concerns for wildlife-vehicle collisions, Teton County Commissioners hired Western Transportation Institute to develop a master plan that will implement strategic mitigation measures to reduce collisions. In support of this planning process, Environmental Solutions students researched a variety of ways to mitigate wildlife-vehicle collisions, such as signage, fencing, and over/underpasses. To evaluate the concerns of Teton County citizens, the students developed a survey that assessed and ranked local stakeholders’ values in various mitigation strategies. Results from the survey showed that stakeholders viewed ecological impacts, primarily to moose, to be the top priority when considering mitigation measures. The formal report provided a detailed analysis of their findings and offered recommendations, such as adapting and expanding the survey to understand the values of a broader group of stakeholders.

The students identified five categories of value and associated performance measures for each survey category. Stakeholders ranked highest (1) to lowest (5) and allocated precedence points to each value.