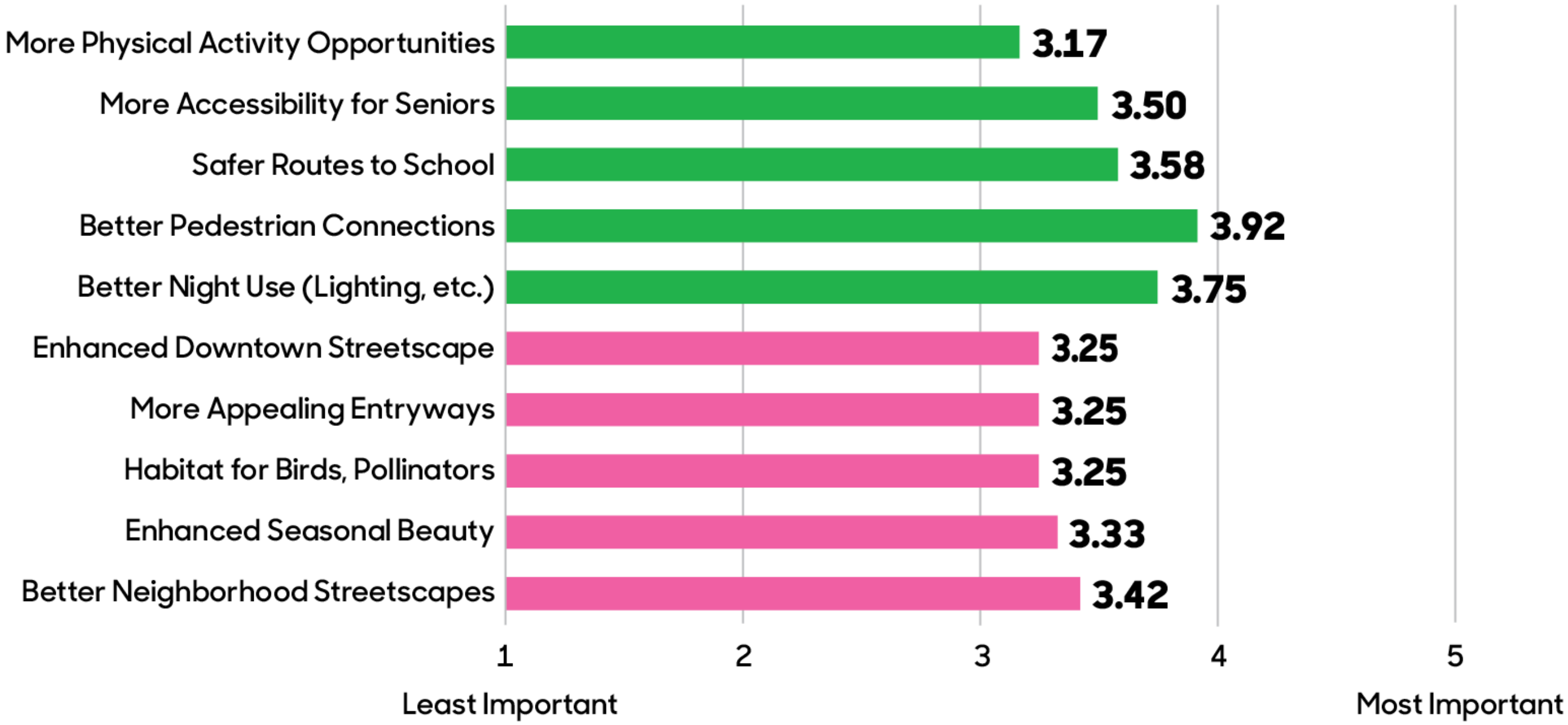


WHAT TYPES OF ENHANCEMENTS ARE IMPORTANT?

Mobility, Safety, and Health!

Transportation Enhancement Issues

- Pedestrian Mobility, Safety, and Health
- Quality of the Built Environment

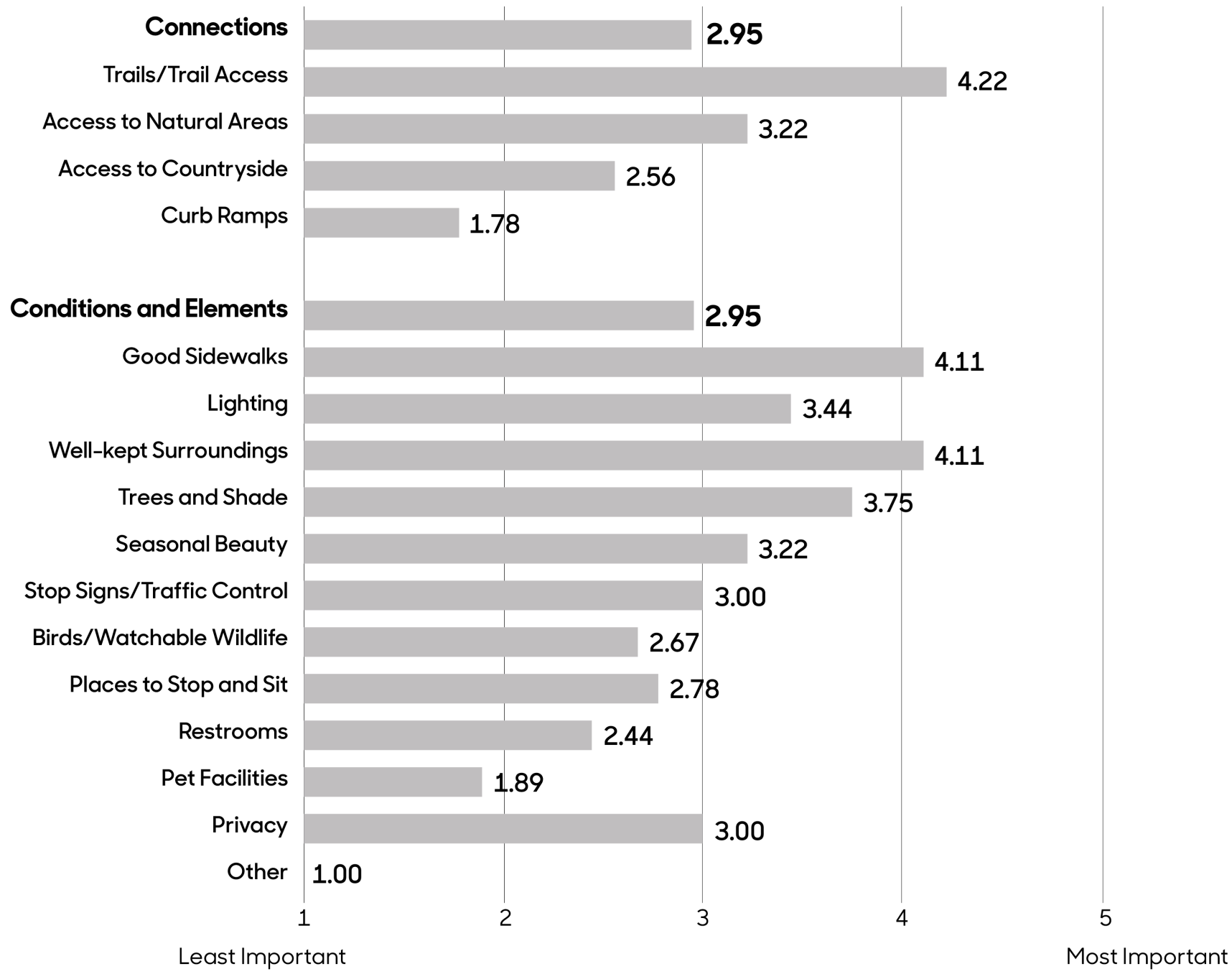


Importance of transportation enhancement by type (12 responses)

On a scale of 1 to 5, with 5 being the most important, high school survey participants ranked creating better pedestrian connections as most important, with a mean value of 3.92. Other types of transportation enhancements that address pedestrian mobility, health, and safety are also considered important, such as providing better lighting for night use (3.75), creating safer routes to school (3.58), and creating more accessibility for seniors (3.50). In terms of quality of the built environment, survey respondents consider better neighborhood streetscapes as most important (3.42). These results are similar to those of adult survey respondents and consistent with themes that emerged during the focus groups.

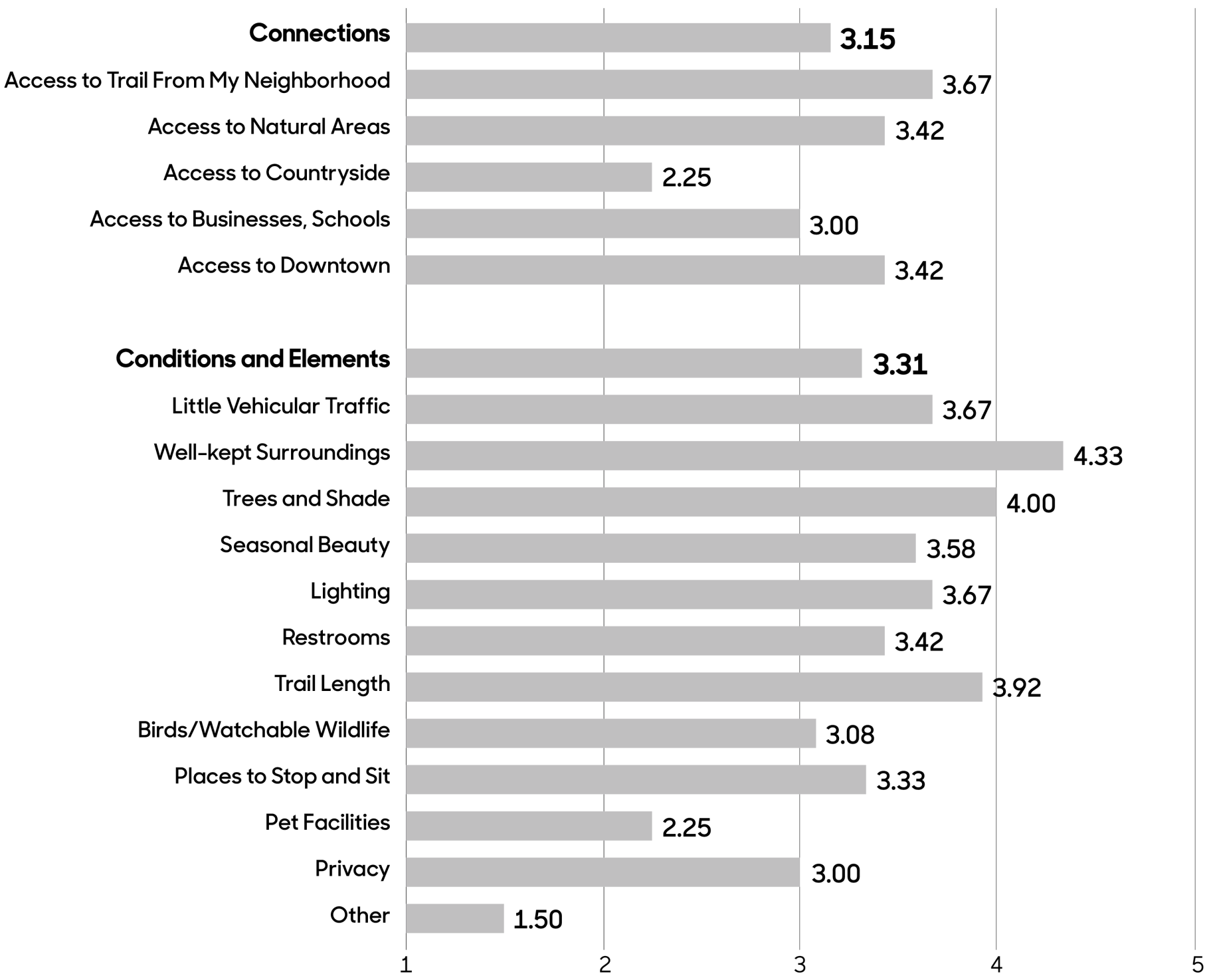
Desired Walking Route Features

High school survey respondents were asked to draw the routes that they take when walking on a map. These routes are included with the walking routes identified by Madrid residents, shown on board 4e. They were also asked to rank characteristics and features that factored into their choice of walking routes on a scale of 1 to 5, with 5 being the most important. These features are categorized as either "connections" or "conditions and elements." Among participants, connections and conditions/elements are equally important, both with a mean value of 2.95. In terms of connections, access to trails is most important with a mean value of 4.22. Good sidewalks and well-kept surroundings (4.11 each) are the most important elements to walkers, followed by trees and shade (4.00). Lighting and privacy are somewhat important, with a mean values of 3.44 and 3.00, respectively.



Desired Trail Features

On a scale of 1 to 5, with 5 being the most important, survey participants ranked the characteristics and features that made their trail experience better. Like the walking route features, they are categorized as either "connections" or "conditions and elements." Conditions/elements are more important than connections, with mean values of 3.31 and 3.15, respectively. In terms of connections, access to the trail from neighborhoods is considered most important, with a mean value of 3.67. In terms of conditions/elements, well-kept surroundings (4.33) is the most important element, followed by trees and shade (4.00).



Priorities & Desired Features

High School Transportation Survey and Focus Groups

Julia Badenhope and Sandra Oberbroeckling, Aaron Lewis, Austin Alexander, Lexi Blank, Kristian Schofield, Minni Davis, Clare Kiboko, Abby Schafer

Iowa State University | Trees Forever | Iowa Department of Transportation

