The vision for Jayhawk Boulevard provides:
- Improved transit and pedestrian safety
- Green solutions for stormwater management and irrigation
- Transit gardens for heightened and improved social, civic, and student life
- Revived historic street tree canopy and surrounding landscapes

An extensive water filtration process is being incorporated into the design of Jayhawk Boulevard. Stormwater weirs (A) are planted between the boulevard and the sidewalk. Stormwater from the sidewalks and road runs into these weirs where it is filtered through water storage and treatment layers of a coarse lightweight treatment media (B). The filtered water then flows into an underdrain system (C). Through this process, stormwater is used passively to water the trees and plants in the weirs and the amount of water reaching the larger storm sewer network is reduced.

On-street parking has been eliminated along Jayhawk Boulevard to improve the safety and efficiency of transit. The asphalt pavement is being replaced with longer life concrete pavement. With the lighter colored pavement and the increase of street tree canopy, the heat-island effect will be reduced. In addition, the old metal halide lighting is being replaced with energy efficient LED lighting.