

## Projects

**April 2025**

Prepared by Transportation Planning  
Missouri Department of Transportation

## Systemic Pedestrian Safety



The slide titled "Systemic Improvements" lists the following items:

- Traffic calming
- Sidewalk
- Curb Ramp
- Leading Pedestrian Interval
- Retroreflective Backplates
- Crosswalks

Two photographs show construction sites with orange traffic cones and yellow caution tape. The left photo shows a crosswalk area with a red brick curb ramp. The right photo shows a sidewalk area with a concrete curb ramp. At the bottom left of the slide is the logo for the "SAFETY IMPROVEMENTS PROJECT A LIFESAVING PARTNERSHIP".

### Description and Benefit

Pedestrian fatalities and serious injuries are a problem in the St. Louis District due to the urbanized characteristics of the district. Pedestrian crashes are far more random than purely vehicular crashes, so it is difficult to implement reactive solutions. As such, the Safety Improvements Design-Build project innovated and utilized a systemic approach to safety analysis and solutions to effectively improve roadway safety for pedestrians and other vulnerable road users. Roadways with similar characteristics to where pedestrian crash occur were identified and selected as locations for systemic safety improvements. Proposers for the design-build project were able to innovate and provide quality solutions to the roadways in St. Louis that are most likely to have future pedestrian crashes. This framework spreads resources over a wider area for a more effective network effect instead of overconcentrating improvements where prior pedestrian crashes occurred.

### For More Information Contact

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