

# Curb Bump Out Islands Fact Sheet



In the St. Louis area, there were **5,321 crashes** where at least one person was killed or seriously injured between 2016 and 2020. MoDOT’s goal, in partnership with St. Louis County, is to reduce those fatal and serious injury crashes in St. Louis. For more information, view the [Project Website](#).

Speeding drivers are more likely to cause a crash, and those crashes are more likely to be severe. Studies show that drivers will drive more slowly on narrower roads. Encouraging slower driving (called “traffic calming”) reduces the frequency and severity of crashes. Based on the *Highway Safety Manual’s* methodology, traffic calming is estimated to reduce crashes by one-third. Islands such as these in the shoulders or medians are a type of traffic calming improvement. They also provide a level of protection for bicyclists and pedestrians using the shoulder or sidewalk.

Ensuring roadways are safe for all users:

- Adequate Spacing: 220 feet or more between islands to leave room for vehicles to move to the shoulder
- Horizontal Distance: 2 feet from lane line, 3-5 feet from edge of pavement
- Visibility: Yellow paint as drivers approach the island, 18-inch-tall white posts to increase visibility

Based on feedback from the public, MoDOT has verified that the spacing around the island is sufficient for vehicles and bicyclists to navigate around these. MoDOT is making sure these islands are visible to roadway users. MoDOT will perform before/after studies to determine their effectiveness.



*Historical Crash Data (based on five-year study period from 2016-2020)*

	Clarkson Rd (MO 340)	Long Rd (Route CC)	New Halls Ferry (Route AC)
<b>Total Crashes</b>	600	272	1039
<b>Fatal and Serious Injury Crashes</b>	6	6	28

*Estimated Crash Reductions from all proposed improvements (over next five years)*

	Clarkson Rd (MO 340)	Long Rd (Route CC)	New Halls Ferry (Route AC)
<b>Total Crash Reduction (estimated)</b>	98	145	343
<b>Fatal and Serious Injury Crash Reduction (estimated)</b>	3	4	8

*Additional Improvements proposed on these roads:*

### Clarkson Rd (MO 340)

- Raised median island
- Curve warning signs
- Retroreflective signal backplates
- Improved right turn angle
- Leading Pedestrian Interval
- High-visibility crosswalks

### Long Rd (Route CC)

- Install raised median island
- Improved right turn angle
- Retroreflective signal backplates

### New Halls Ferry (Route AC)

- Raised median island
- Chevron signs on curve
- Leading Pedestrian Interval
- High-visibility crosswalks
- Retroreflective signal backplates
- ADA curb ramps
- Offset left turn lanes
- Improved right turn angle
- Hardened centerline
- LED stop sign (on Mehl Rd)

