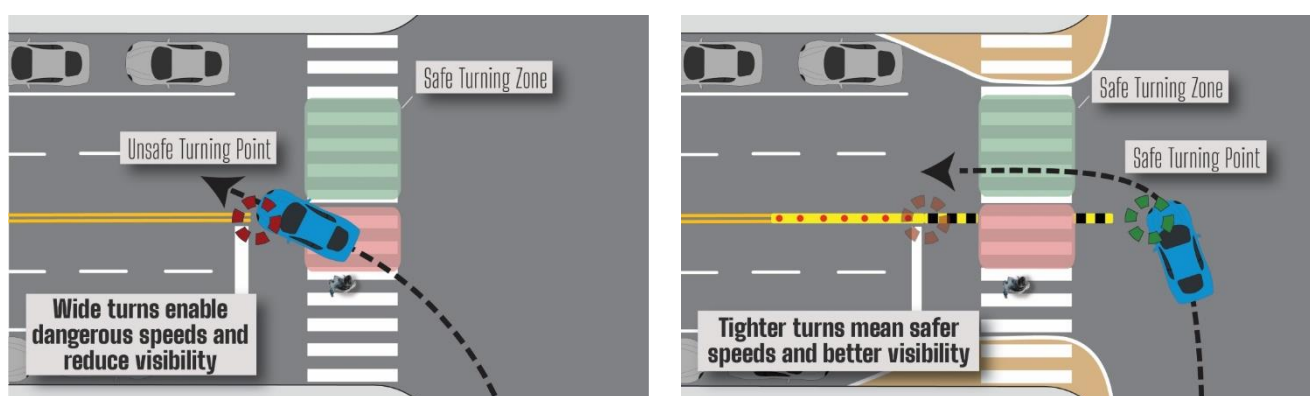


Hardened Centerlines Fact Sheet



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](#).

When vehicles speed through a left turn, often cutting off the corner, they create risk for themselves, other drivers and pedestrians or bicyclists crossing the street. **Hardened centerlines** help prevent drivers from making high-speed, sweeping left turns which can result in severe or even fatal crashes. The visibility of the hardened centerline also helps to make pedestrians more noticeable, increasing their safety. **Hardened centerlines** are another tool to encourage slower driving, also known as **"traffic calming."**



Credit: Left Turn Traffic Calming (chicago.gov)

Based on the Highway Safety Manual's methodology, traffic calming is estimated to reduce crashes by one-third. In one study from the [City of Chicago](#), hardened centerlines reduced all crashes by 24%.



Hardened Centerline at Shackleford Rd and Old Halls Ferry Rd

In the St. Louis area, the hardened centerlines will be made from concrete that is raised slightly and dyed red for long-term visibility. **MoDOT will perform before/after studies to determine their effectiveness.**

Intersections selected for hardened centerlines:

New Halls Ferry at Vaile Ave, Parker Rd, and West Florissant Ave
North Forty Drive at Ballas Rd
Route D at Woodson Rd and Dielman Rd
Olive Blvd at Dielman Rd and Old Bonhomme Rd

Shackleford Rd at Old Halls Ferry
Woods Mill Rd at Clayton Rd
MO 367 at St. Cyr Rd

Crash Data by Intersection:

Location	Fatal and Serious Injury Crashes	Total Crashes
New Halls Ferry at Parker Rd	1	141
New Halls Ferry at Vaile Ave	1	162
New Halls Ferry at West Florissant	2	127
Old Halls Ferry at Shackleford	0	72
North Outer Forty at Ballas Rd	3	78
MO 367 at St. Cyr Rd	3	56
Page Ave at Woodson Rd	1	157
Page Ave at Dielman Rd	2	67
Olive Blvd at Dielman Rd	1	77
Olive Blvd at Old Bonhomme Rd	0	35
Woods Mill Rd at Clayton Rd	0	125

Additional Improvements proposed at these intersections (varies by intersection):

Retroreflective signal backplates
Oversized "Signal Ahead" Warning Signs

Offset left turn lanes
Improve right turn angle

View a detailed list and description of safety measures in the Safety Improvements Booklet [here](#).

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