



Project Snapshot

In 2020, MODOT completed the installation of a raised concrete median on Riverview Drive in St. Louis County, Missouri to address:

- High rates of severe crashes
- High rates of speeding
- Frequent use of the center turn lane as a passing lane

\$ Cost

4.95 million dollars total
\$500,000 for safety improvements

Construction

Completed 2020

Benefit-Cost Ratio

192.4 to 388.9

The benefit-cost ratio is the monetary benefit of crash reductions divided by the total construction cost.

*Every dollar invested in constructing raised concrete medians will yield between **192.4 and 388.9 dollars in benefits** by reducing fatal and severe crashes over the project's lifespan.*

Riverview Drive Safety Improvements

Before



After



A raised concrete median, u-turn, left-turn, and right-turn lanes at strategic locations were installed.



Vehicles traveling **5** mph or higher over the speed limit



Vehicles traveling **25** mph or higher over the speed limit



Fatal Crashes



Serious Injury Crashes



Fatal Crash Rate*



Serious Injury Crash Rate*



Overall Crash Rate*

43%

30.5%

8.3%

1%

10

2

80% ↓

12

4

67% ↓

15.3

4.9

68% ↓

18.3

9.8

46% ↓

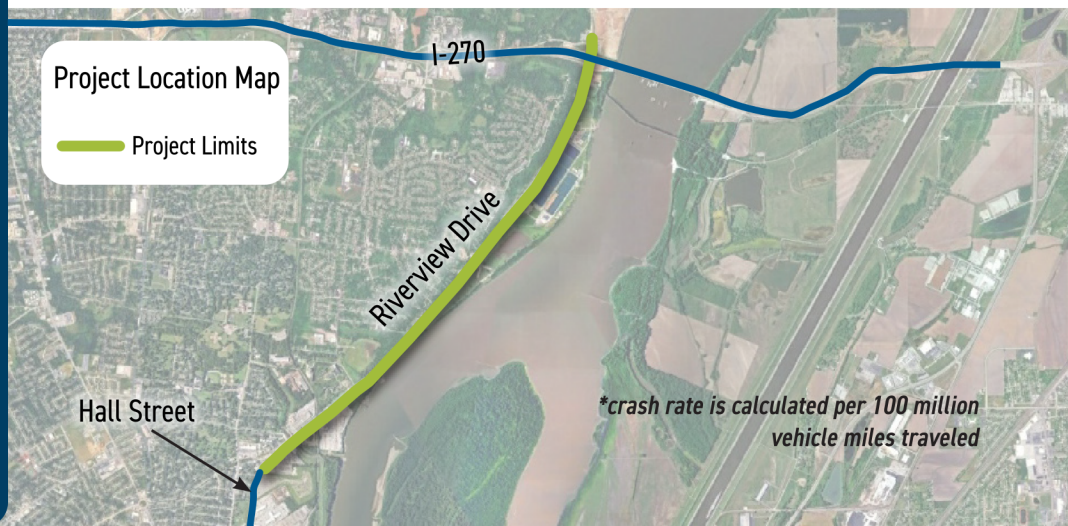
575.3

352.1

39% ↓

Project Location Map

Project Limits



*crash rate is calculated per 100 million vehicle miles traveled