



CATT Lab Performance Reporting

M006017: Concrete Rehabilitation I-75 from SR 54 to Walt Stephens Rd

February 2021
Project Assessment Summary

Project Background/Description

Concrete Rehabilitation on I-75 is currently in progress from SR 54 / Jonesboro Rd to Walt Stephens Rd. During this time, temporary road closures spanning no longer than 2 miles occur along the pavement. Construction is estimated to conclude in June 2021.

Key Aspects

6.2 Mile Length

Clayton, Henry
Counties

Est Completion: 06/21



Project Timeline

September 2020

June 2021

7/10 Month/Year

Notice to
Proceed Date

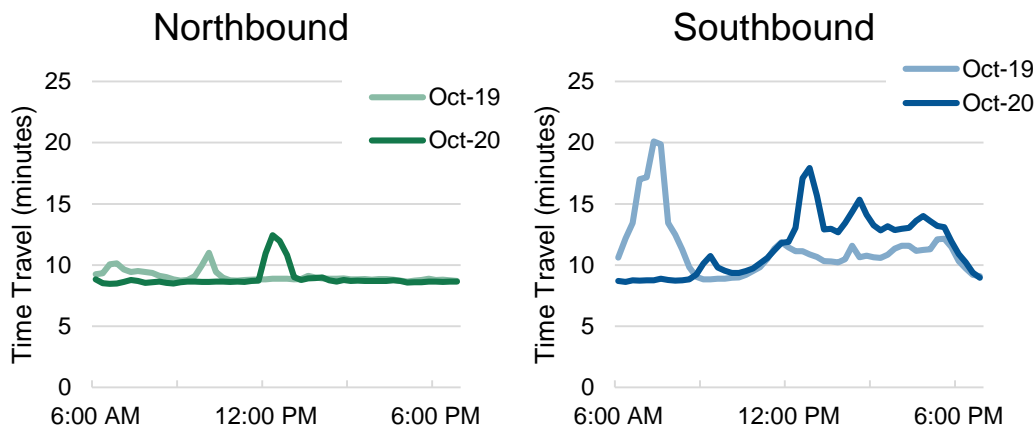
Estimated
Completion Date

Performance Results



Speed

With a majority of construction occurring in the Southbound lanes, there has been an increase of congestion, especially during the PM Peak. Northbound lanes show little effect.



Bottlenecks

Northbound bottlenecks showed little change, as compared to Southbound. Although the length increased, the average congestion time decreased by approximately 20%!

Key Bottleneck Improvement

	Before (Oct 2019)	After (Oct 2020)	Δ Difference
I-75 Southbound at I-675			
Bottleneck Length (miles)	1.78 mi	1.98 mi	↑ 0.2 mi (10.6%)
Total Congested Time (Daily)	0 h 22 m	0 h 18 m	↓ 0 h 4 m (20.0%)



Reliability

Shown for both directions, I-75 has seen an increase in travel time. Buffer time and planning time has increased, meaning drivers need to leave earlier to get to their destination on time!

Travel Time



6.4%

Change in
weekday travel time

Buffer Time



27.4%

Change in
weekday buffer time

Planning Time



92.3%

Change in
weekday planning time



Delay Costs

Due to the increase of construction, user delay cost has seen isolated spikes, resulting in a higher average.

Before & After User Delay Cost Detail

Measure	Before (Oct 2019)	After (Oct 2020)	Δ Difference
User Delay Cost (Dollars)	\$338,504	\$376,476	↑ \$37,972 (10.6%)
Hours of Delay (Person-hours)	15,272 h	13,731 h	↓ 1,540h (10.6%)
Delay per VMT (minutes/mile)	0.0155 min/mi	0.0138 min/mi	↓ 0.0017 min/mi (11.6%)

For more information, contact:

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