



# Board of Directors Operations Committee Meeting

North Carolina Turnpike Authority  
January 24, 2019

# Complete 540 Design-Build Procurement Update

Rodger Rochelle, P.E.

Chief Engineer

# Complete 540

## R-2721A

- 4.3 mile new location
- ~190 parcels

## R-2721B

- 4.9 mile new location
- ~210 parcels

## R-2828

- 8.6 mile new location
- ~250 parcels



# Current Project Schedule

- Record of Decision: June 6, 2018
- Corridor Permit Application: Summer 2018
- Advertisement for ROW Acquisition Firm(s) September 4, 2018  
*(R-2721A & R-2721B)*
- Right of Way Plans for R-2721A & R-2721B: Fall 2018
- Anticipate Permits: Early 2019  
*(phased for R-2828 & construction for R-2721A and R-2721B)*
- Design-Build Contract Letting
  - R-2828: November 2018
  - R-2721B: February 2019
  - R-2721A: April 2019
  - R-2829: Future (2027)
- Complete Project Finance: Early 2019

# Status and Next Steps

	R-2828	R-2721B	R-2721A
Advertisement	✓ April 16, 2018	✓ July 2, 2018	✓ September 4, 2018
SOQ Due Date	✓ May 11, 2018	✓ July 31, 2018	✓ October 2, 2018
Shortlist Date	✓ May 24, 2018	✓ August 14, 2018	✓ October 18, 2018
Issue 1 <sup>st</sup> Draft RFP	✓ May 24, 2018	✓ August 14, 2018	✓ October 18, 2018
Debrief Teams	✓ Week of June 4, 2018	✓ Week of August 27, 2018	✓ Week of October 29, 2018
1 <sup>st</sup> Meeting with Teams	✓ June 7, 2018	✓ August 28, 2018	✓ November 1, 2018
Issue 2 <sup>nd</sup> Draft RFP	✓ June 19, 2018	✓ August 31, 2018	✓ November 20, 2018
2 <sup>nd</sup> Meeting with Teams	✓ July 10, 2018	✓ September 25, 2018	✓ December 6, 2018
Issue 3 <sup>rd</sup> Draft RFP	✓ July 19, 2018	✓ October 9, 2018	✓ December 14, 2018
3 <sup>rd</sup> Meeting with Teams	✓ August 7, 2018	✓ October 23, 2018	✓ January 8, 2019

# Status and Next Steps

	R-2828	R-2721B	R-2721A
Issue Final RFP	✓ August 14, 2018	✓ November 6, 2018	✓ January 22, 2019
Technical Proposals Due	✓ October 30, 2018	January 29, 2019	March 27, 2019
Price Proposals Due	✓ November 14, 2018	February 8, 2019	April 8, 2019
Open Price Proposals	✓ November 20, 2018	February 19, 2019	April 16, 2019
Award Contract	✓ November 30, 2018		
Execute Contract	✓ December 17, 2018		
Limited Notice to Proceed	✓ December 19, 2018		

# Questions?

# Monroe Expressway Operations Update

Rachel Ruiz

*Roadside Toll Technology Manager*

Andy Lelewski, P.E.

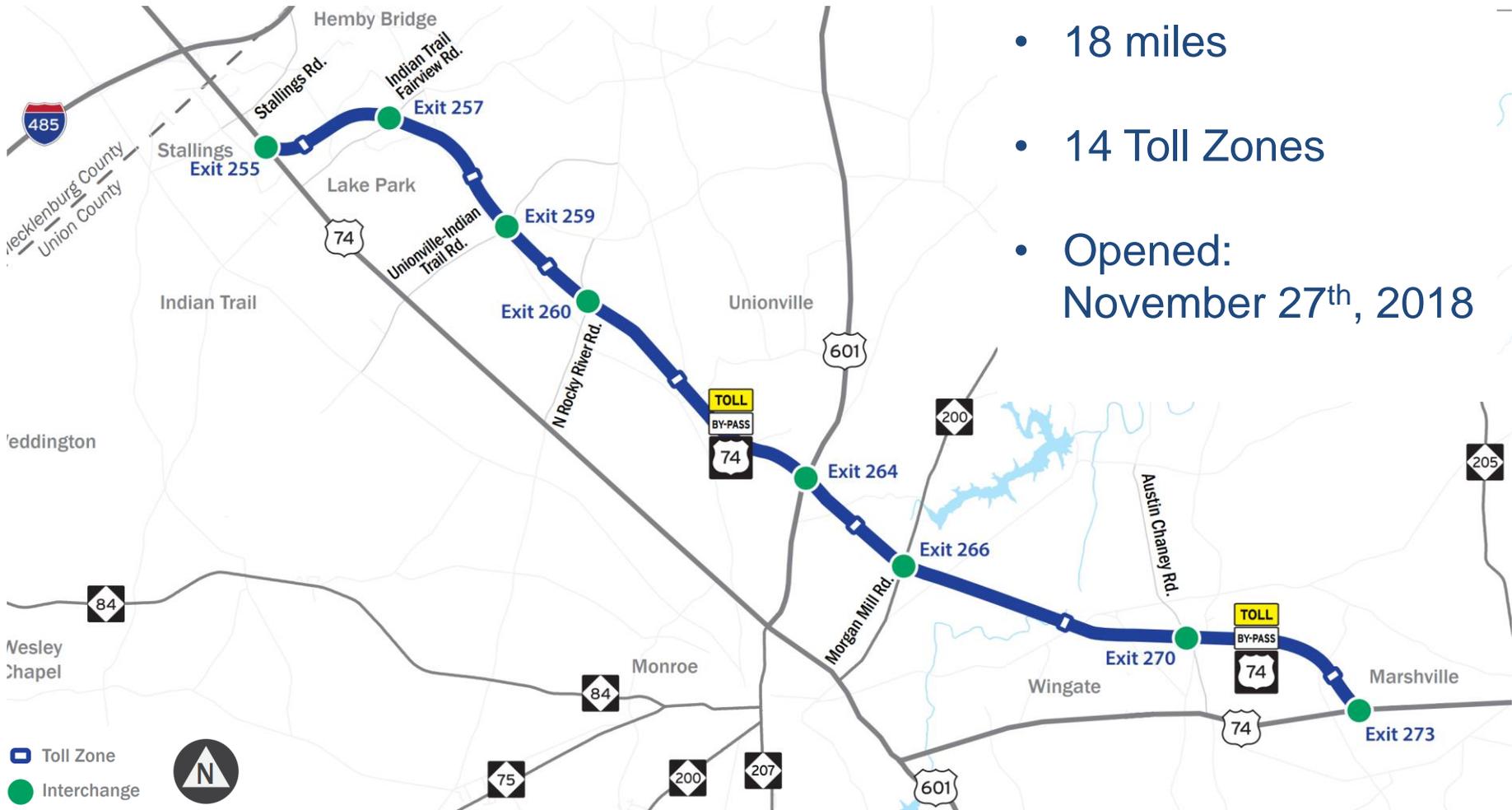
*Director of Toll Operations*

Dennis Jernigan, P.E.

*Director of Highway Operations*

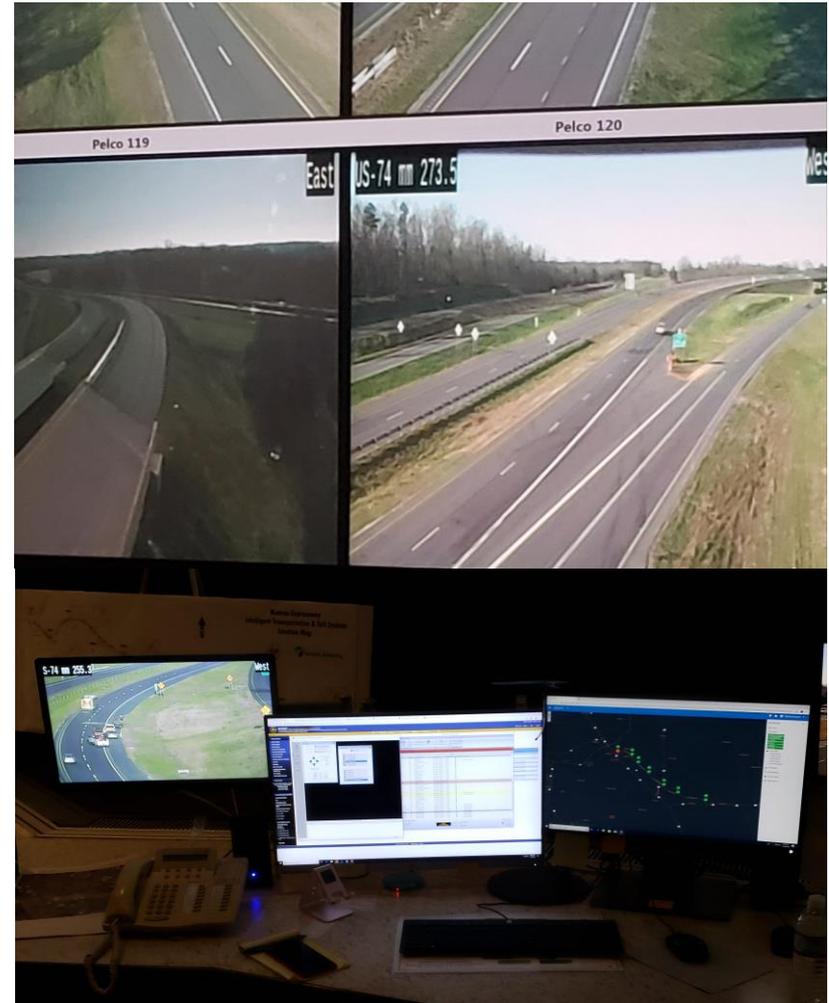
# Monroe Expressway

- 18 miles
- 14 Toll Zones
- Opened:  
November 27<sup>th</sup>, 2018



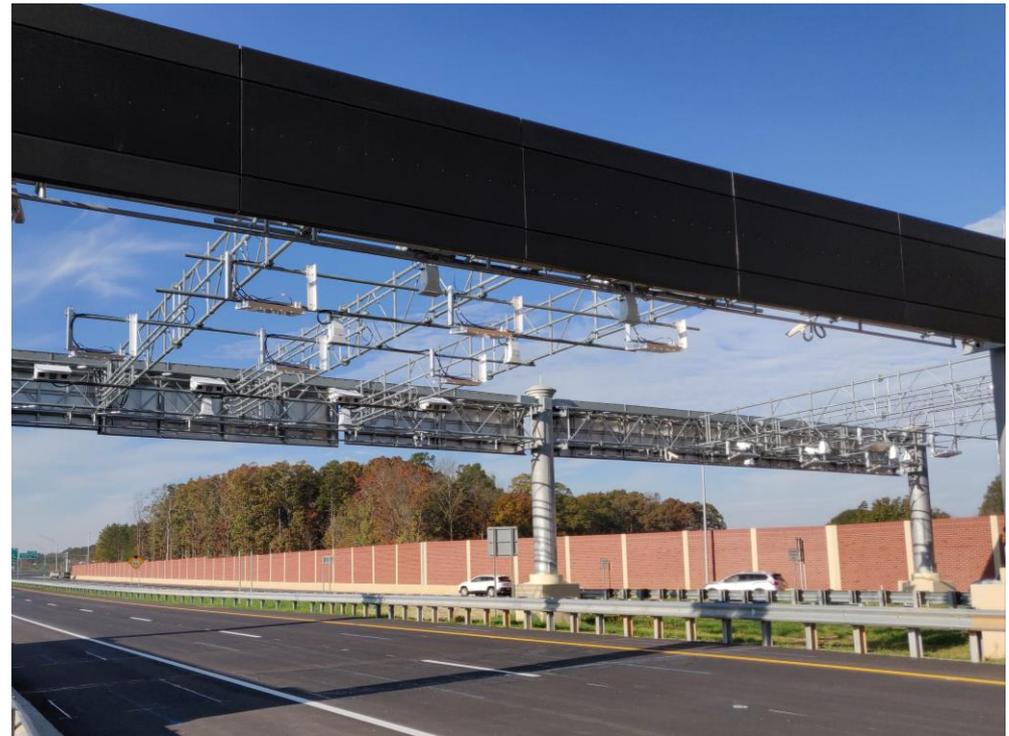
# Intelligent Transportation Systems (ITS)

- Operated by the MRTMC in Charlotte and the STOC in Raleigh
- Maintained by the design-build team until the observation period is fulfilled
- Currently observing commissioning and early operations of the ITS systems

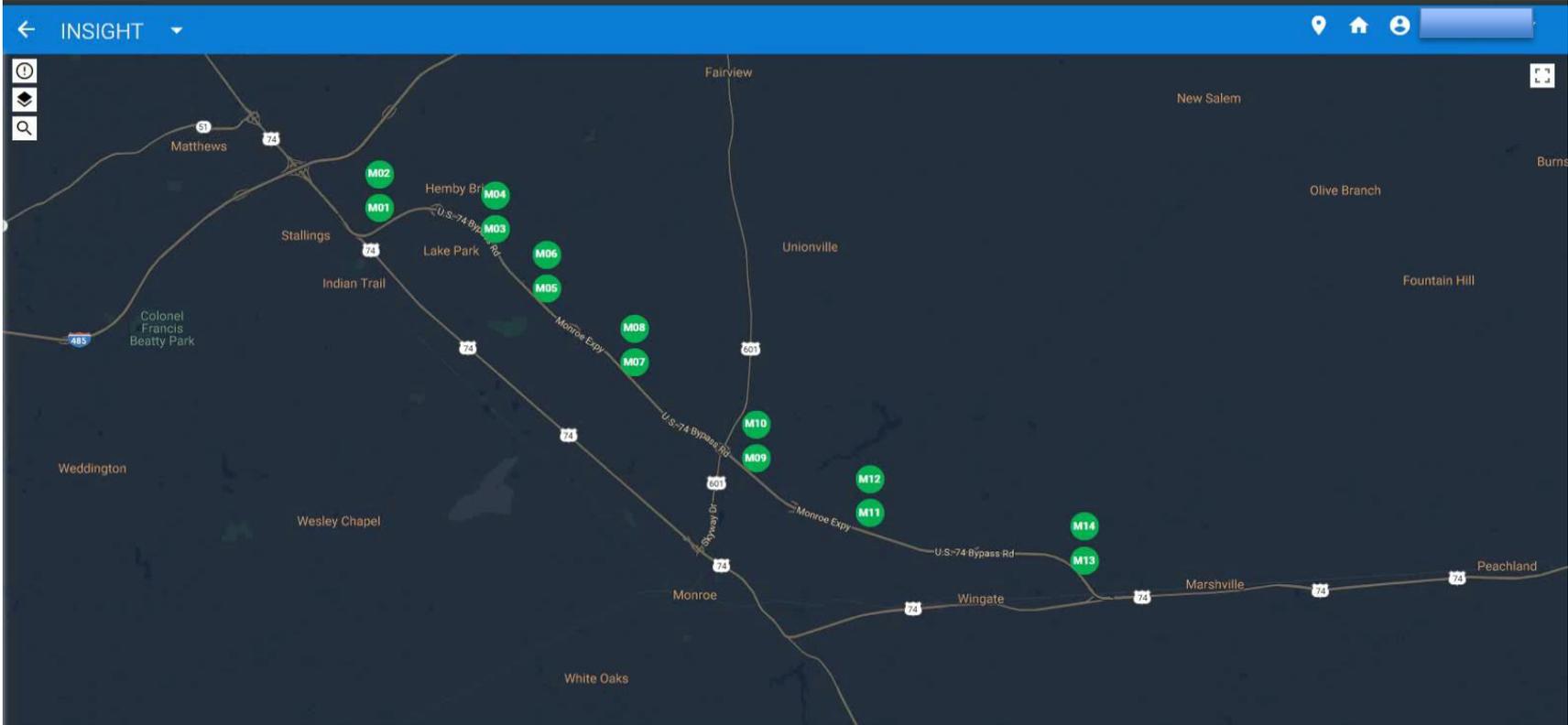


# Roadside Toll Collection Systems (RTCS)

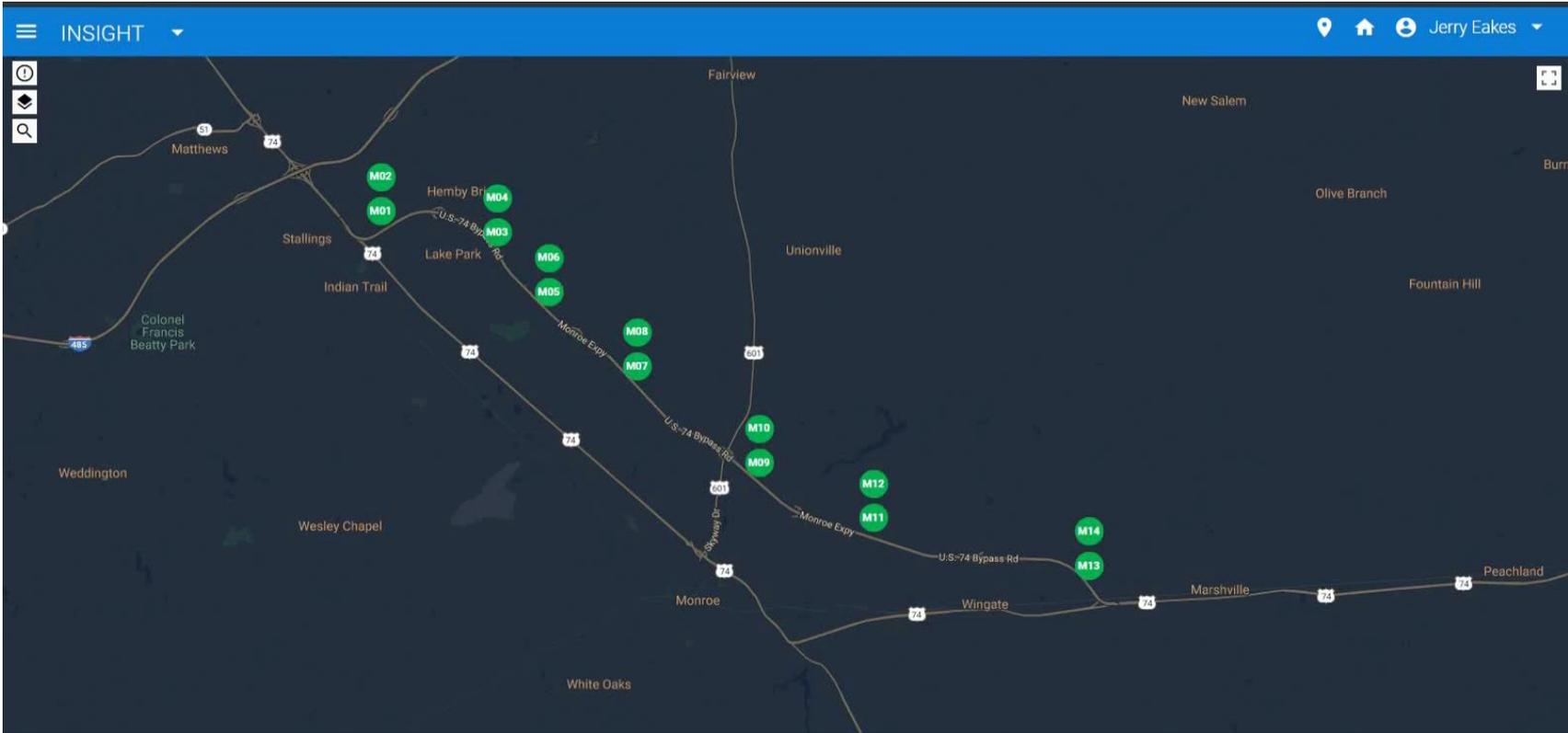
- Approaching Operational Acceptance Test phase
- Started preventive maintenance program after opening
- Daily monitoring of maintenance work, transaction accuracy, and image review process



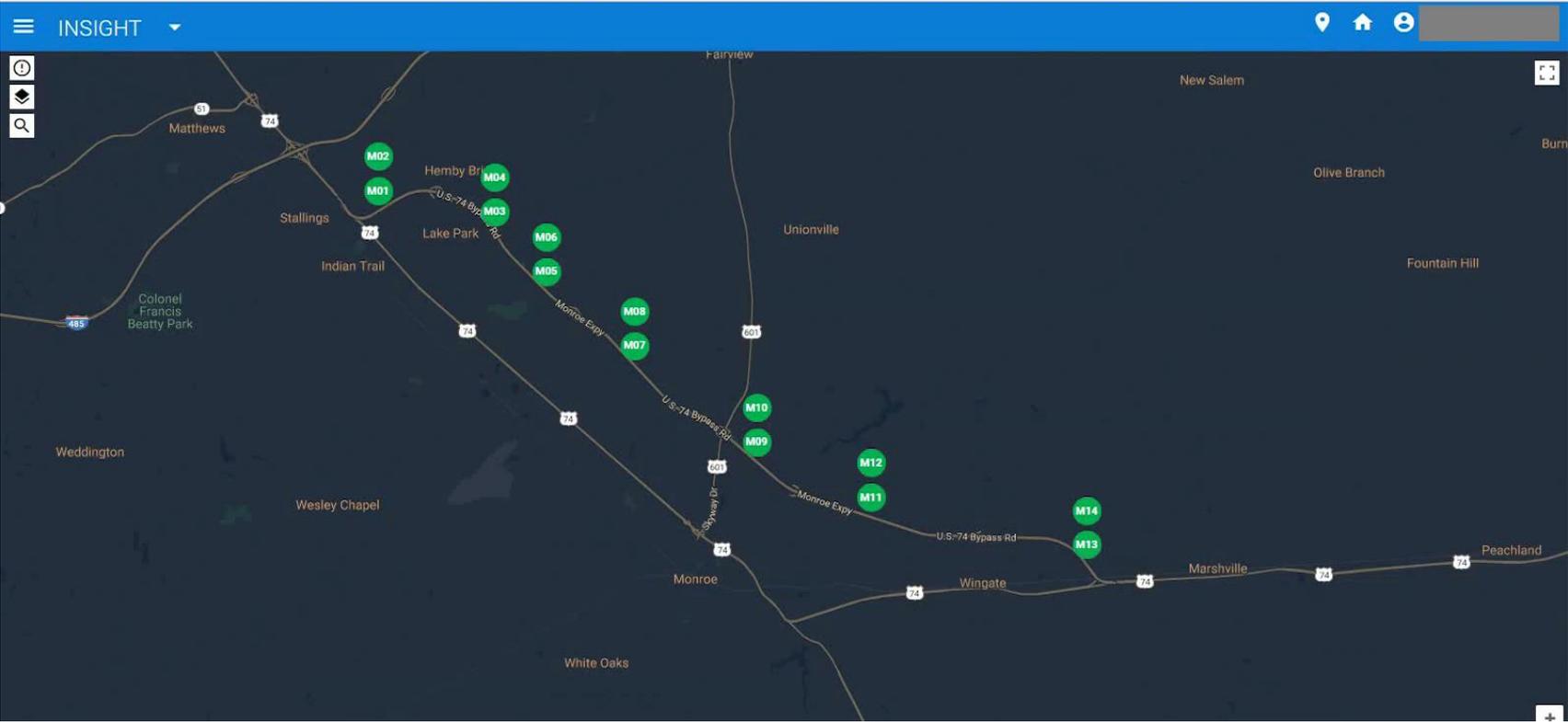
# RTCS Live Traffic View



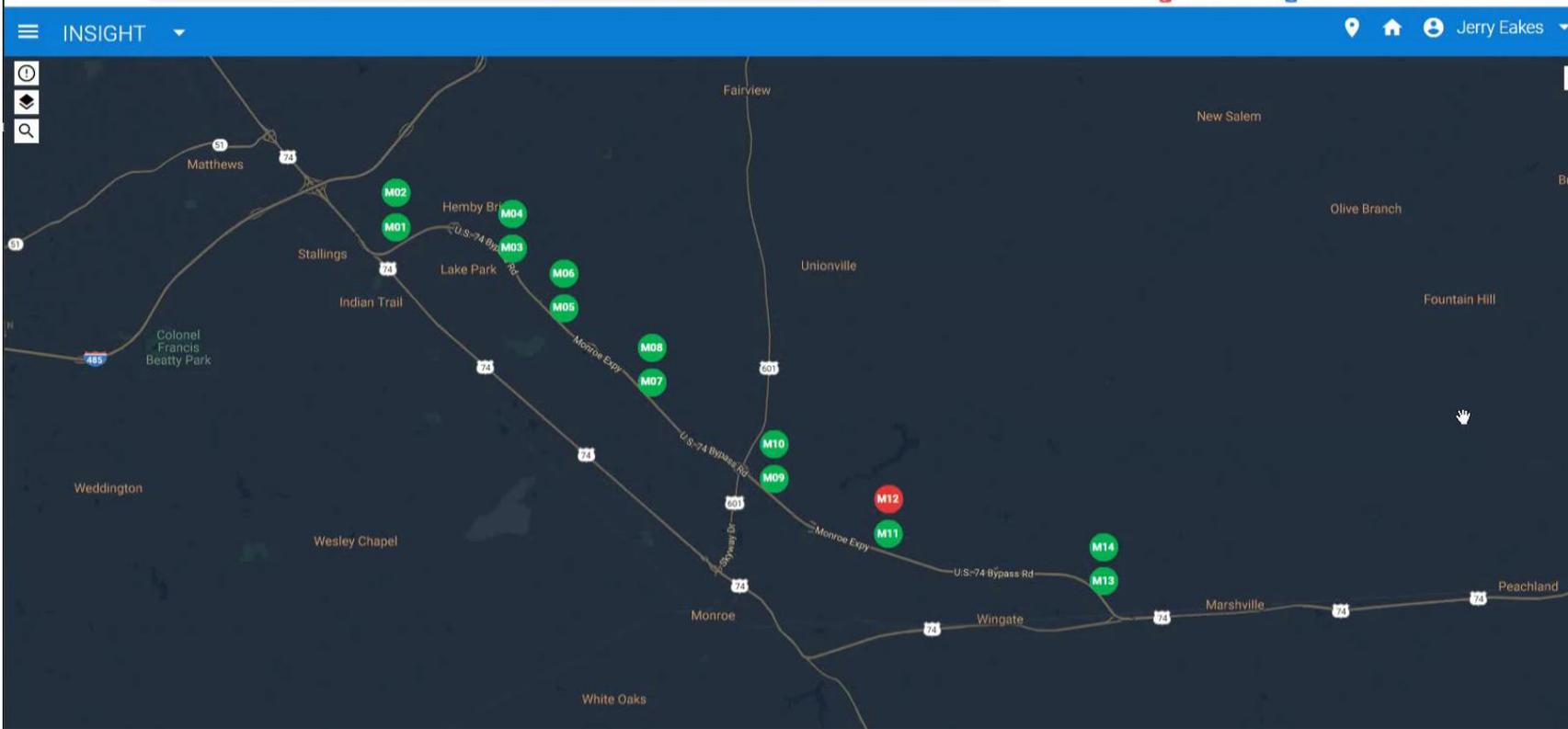
# RTCS Maintenance Work



# RTCS Transaction Review

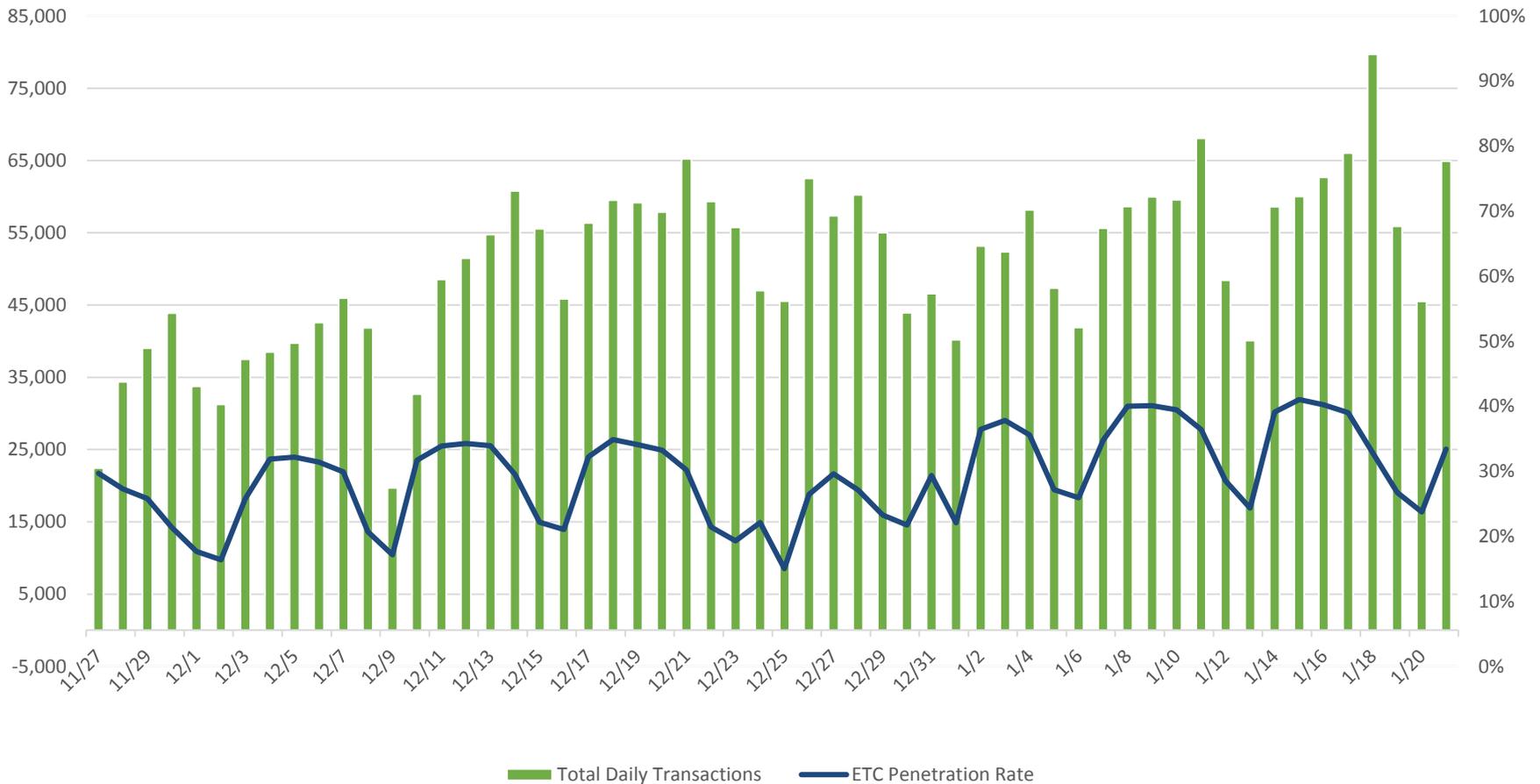


# RTCS Image Review



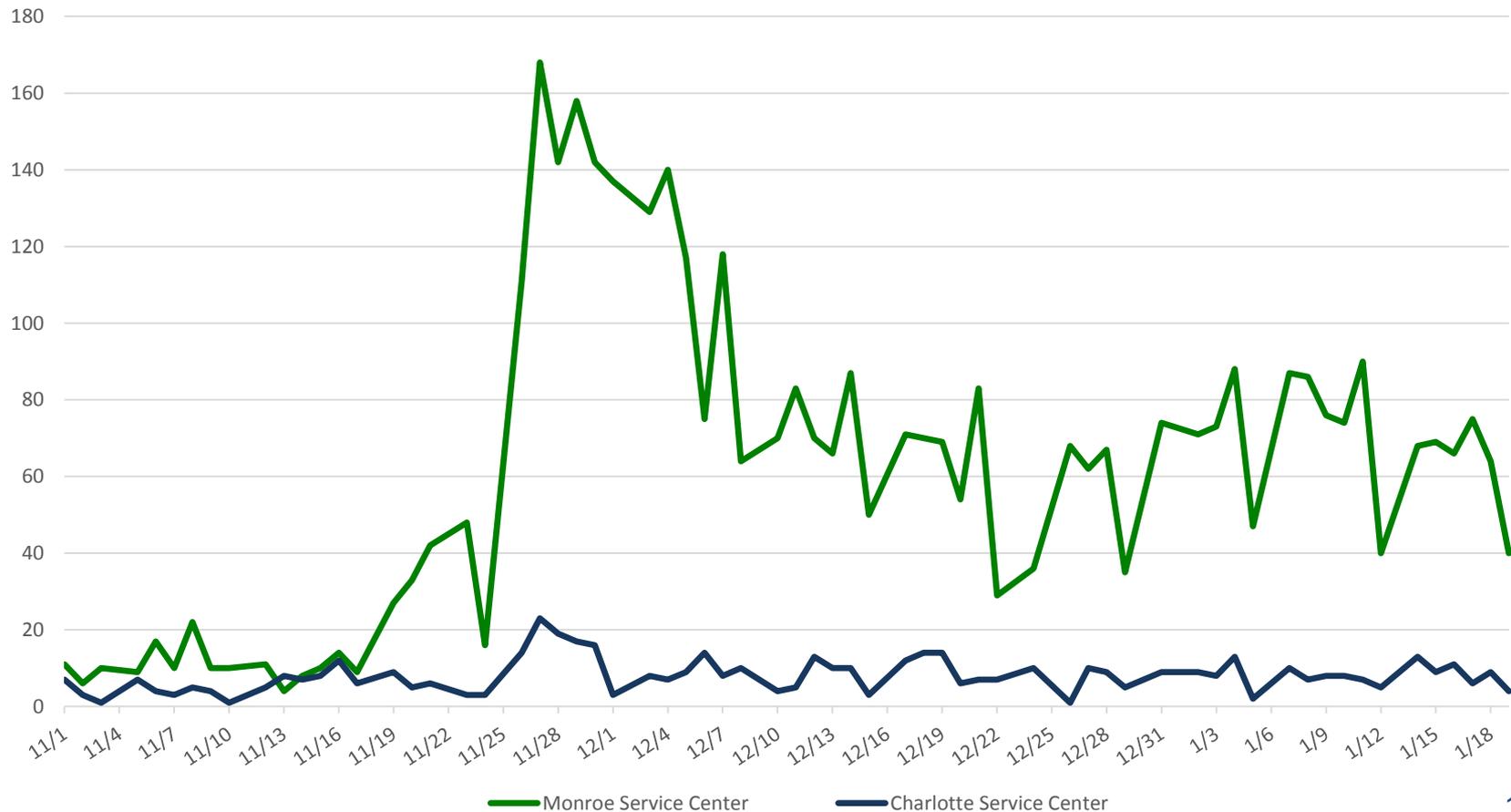
# Monroe Expressway Transactions

11/27/18 – 01/19/19



# Customer Visits to Monroe and Charlotte Service Centers

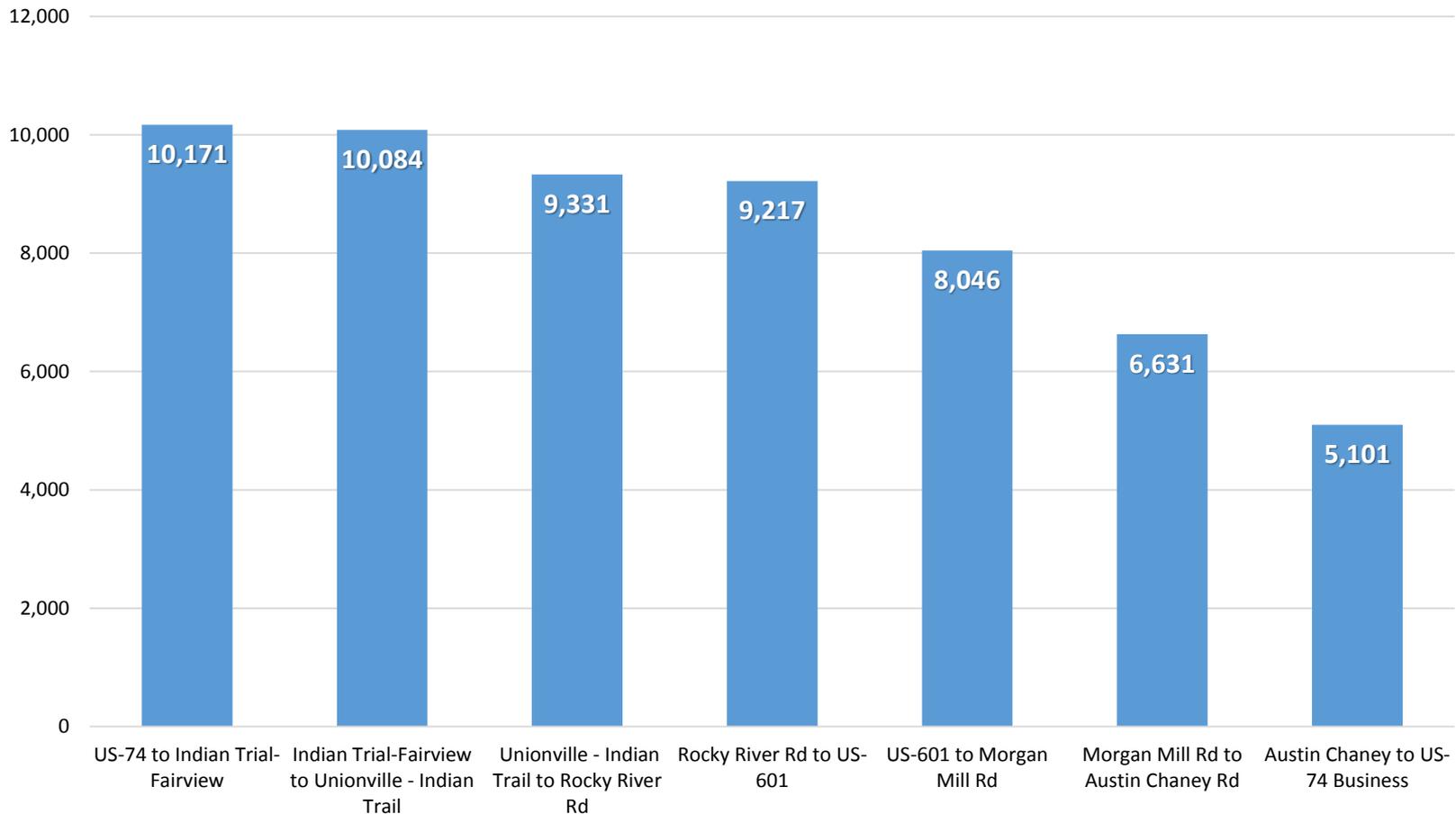
11/01/18 – 01/19/19



# Monroe Expressway Total Traffic

## 1/14/19

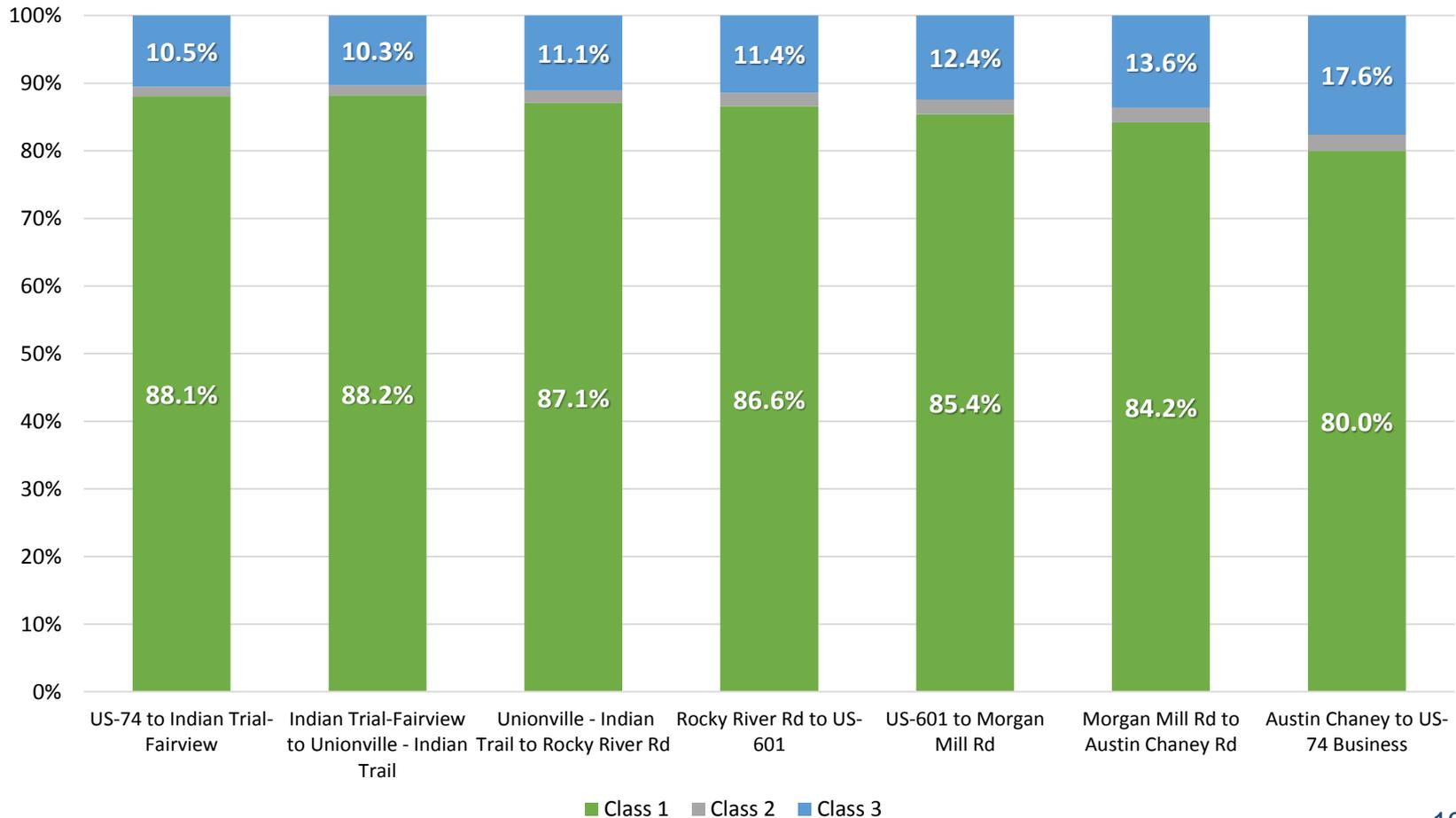
- Total traffic: 58,581



# Monroe Expressway Vehicle Class

## 1/14/19

- Average Vehicle Classification: Class 1 – 86.2%    Class 2 – 1.9%    Class 3 – 11.9%



# Consultant Roadway Manager Wayne Reed



Joined Turnpike December 2018

Oversees Monroe Expressway  
roadway operations and  
maintenance

Located at MRTMC in Charlotte

[wareed@ncdot.gov](mailto:wareed@ncdot.gov)

# Triangle Expressway Maintenance Update

Dennis Jernigan, P.E.

*Director of Highway Operations*







# Timeline

11/16/2018	Issue Identified Received repair options from Geotechnical Unit
11/19/2018	Requested emergency contact preparation from Division 5 and Others
11/29/2018	Request to DOT Chief Engineer for emergency declaration
11/19/2018 -12/6/2018	PS&E development
12/6/2018	Advertisement
12/11/2018	Mandatory pre-bid
12/18/2018	Bid Opening
1/22/2019	Work Began
4/2/2019	Expected Completion

**Thank you!**