



**SCDOT**  
*ITS Program*  
*Infrastructure and Challenges*

# SCDOT Mission

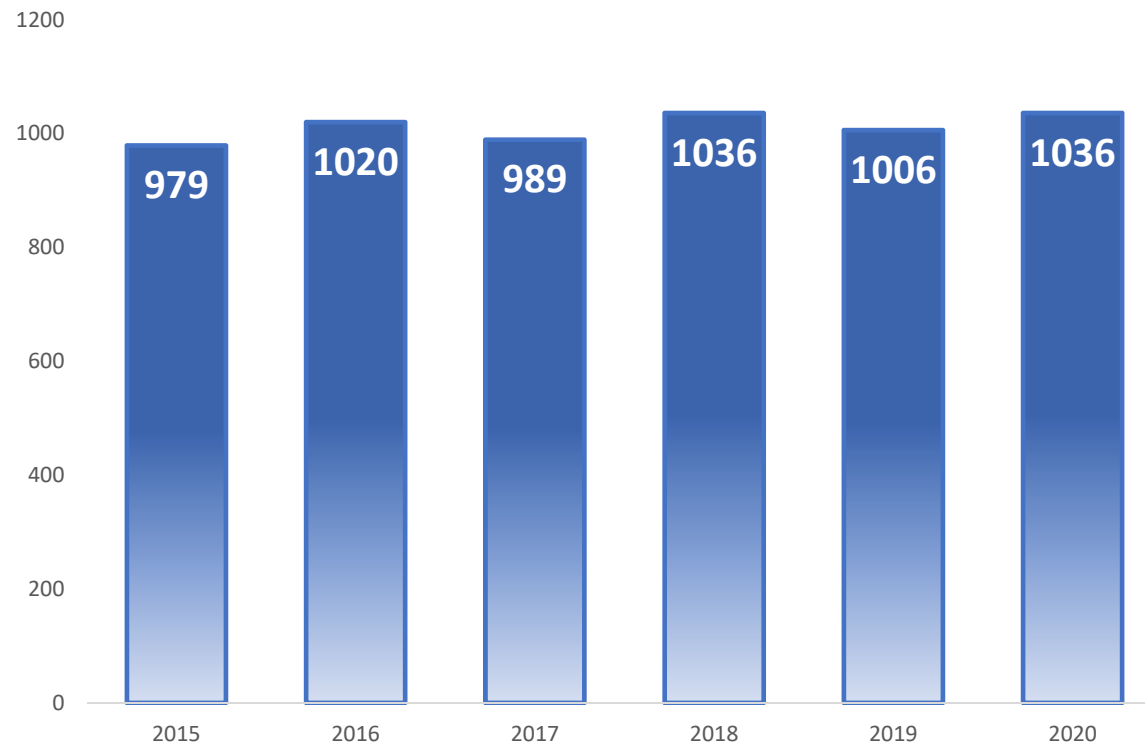
## Mission

“SCDOT shall have as its functions and purposes the systematic planning, construction, maintenance, and operation of the state highway system and the development of a statewide intermodal and freight system. The goal of the Department is to provide adequate, safe, and efficient transportation services for the movement of people and goods.”

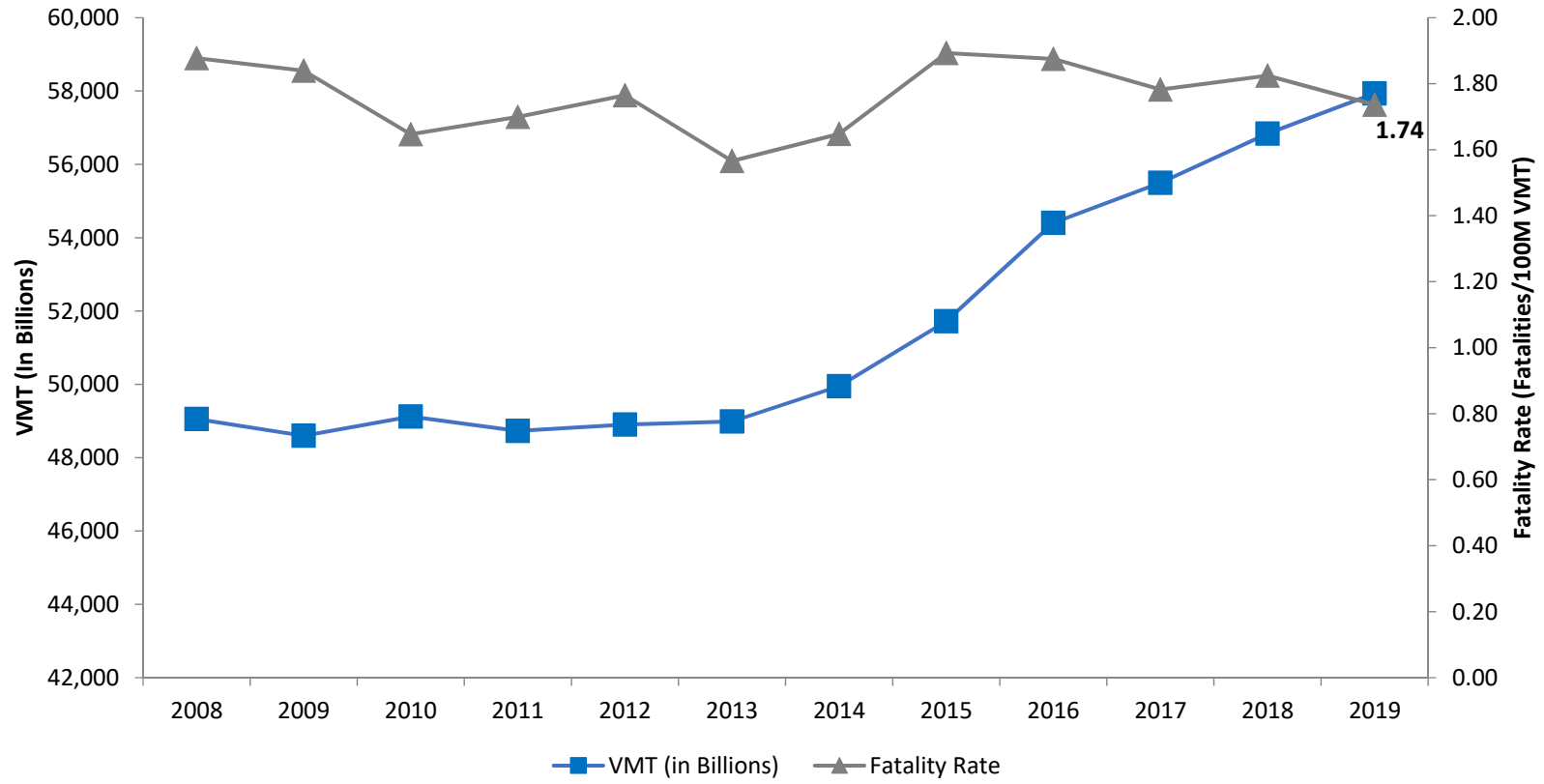
SC Code Section 57-1-30



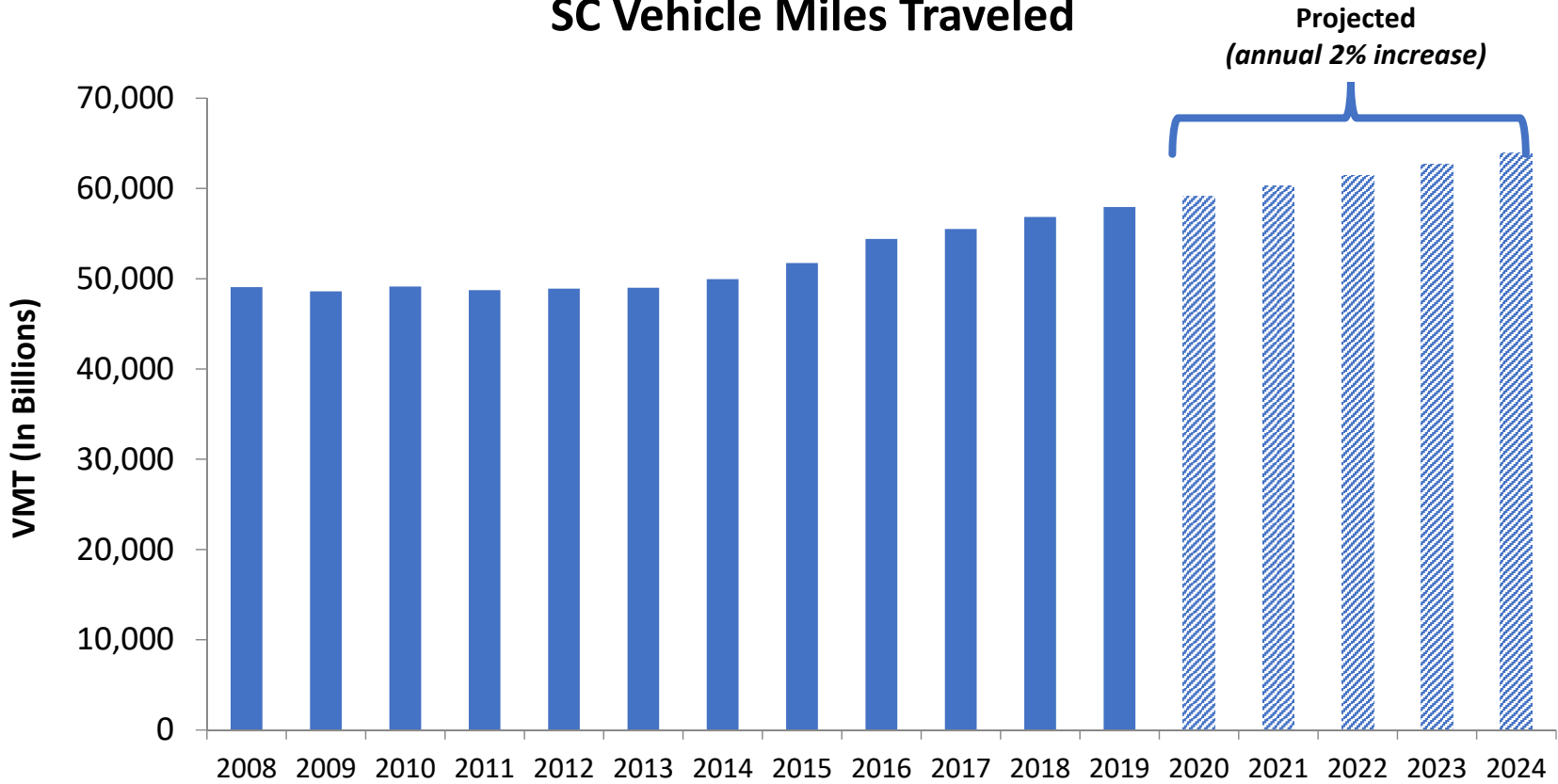
# Fatality Statistics in SC



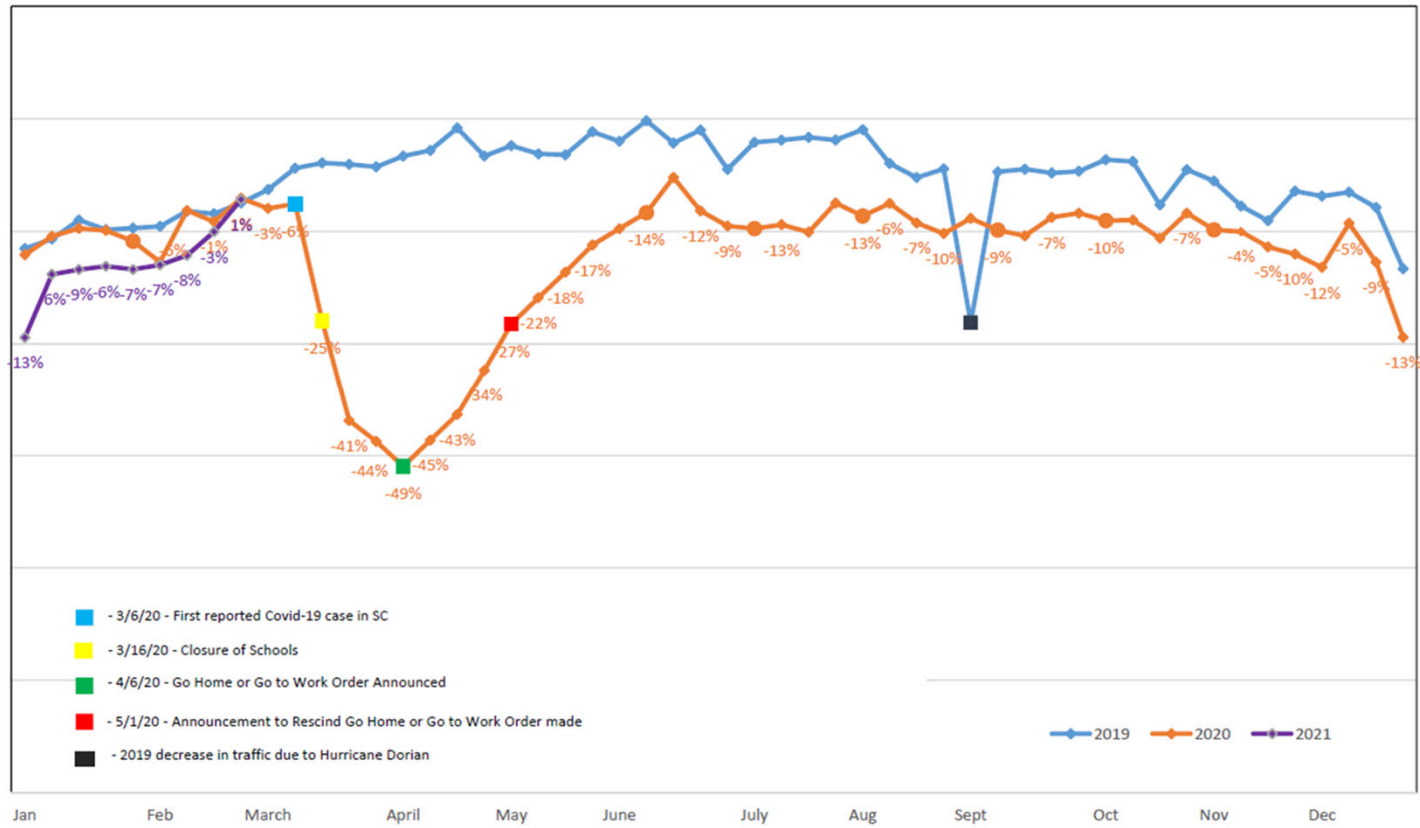
### SC VMT and Traffic Fatality Rate

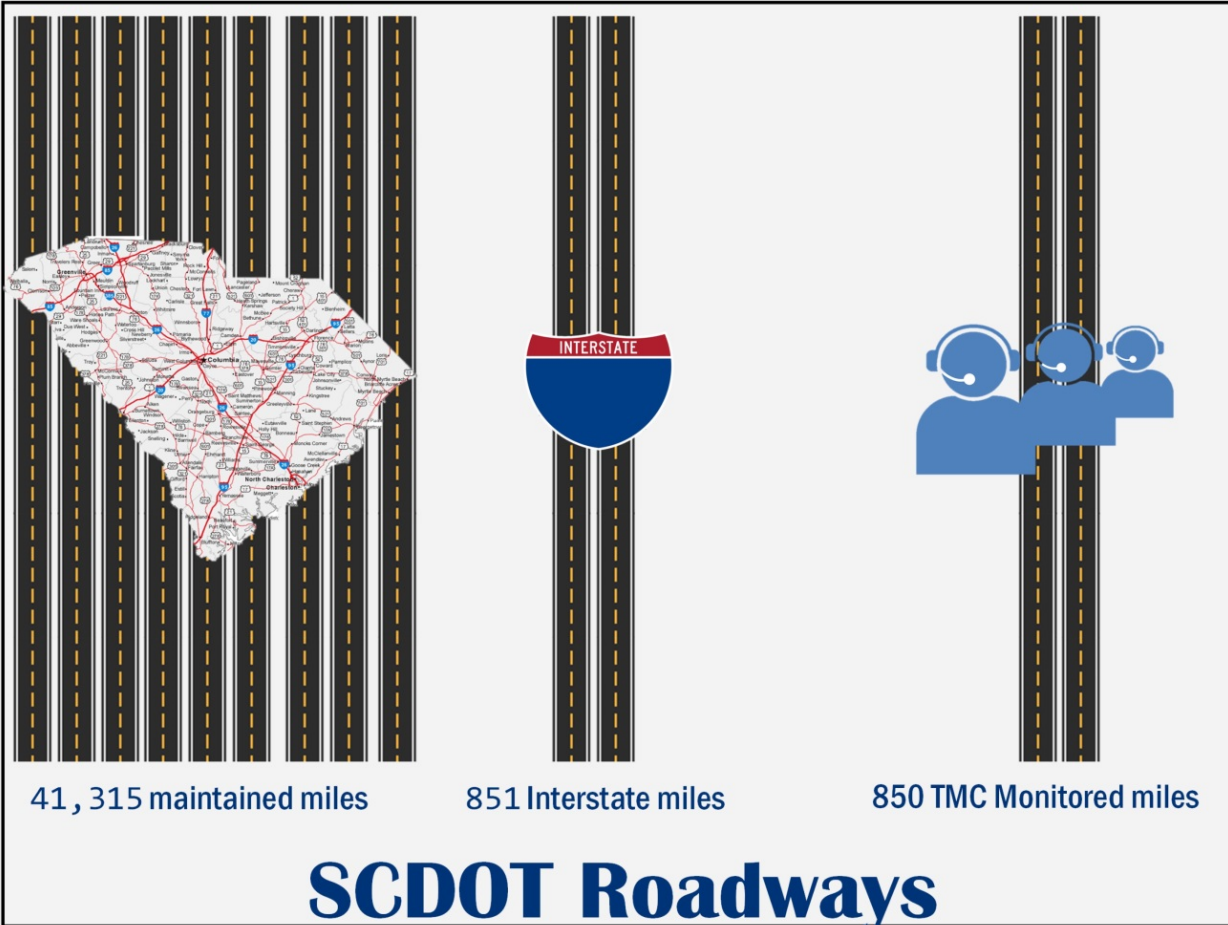


# SC Vehicle Miles Traveled

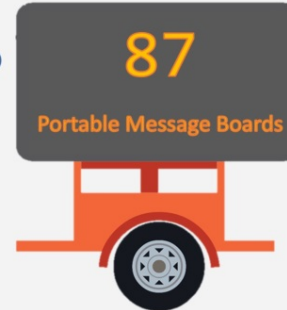
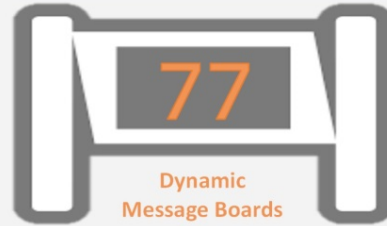
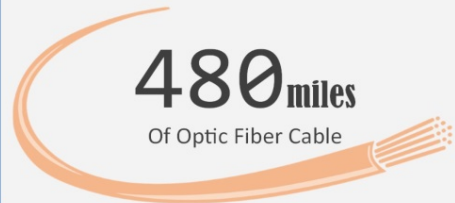


### Traffic Volume Trend Changes due to COVID-19



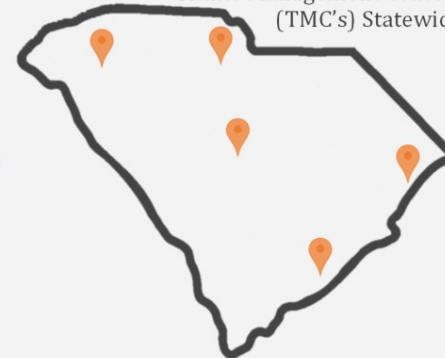


**ITS**  
**INFASTRUCTURE**  
**STATISTICS**  
**•FOR•**  
**South**  
**Carolina**



**5**

Traffic Management Centers  
(TMC's) Statewide





# Other ITS Software & Devices



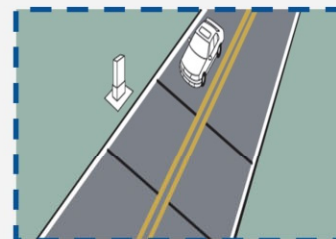
Real-time Data (Iteris / Here)



511



ATMS



Automatic Traffic Recorders



Highway Advisory Radio's



Portable Cameras

# Traffic Management Center Operations

## TMC

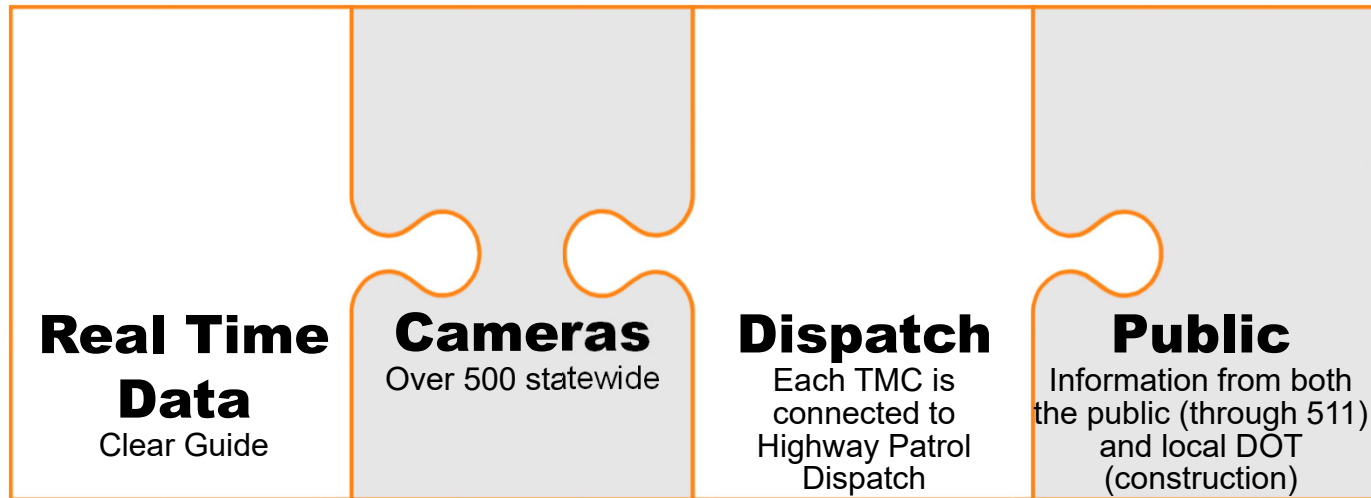
One statewide TMC located in Columbia, South Carolina

Four regional TMCs located in  
Rock Hill, SC  
Myrtle Beach, SC  
Charleston, SC  
Greenville, SC

Statewide TMC is open 24/7, 364 days a year. Handles the Columbia area during the day.

Regional TMCs are open 7 days a week from 7am to 7pm.

Statewide TMC takes over statewide operations when the regional TMCs close.



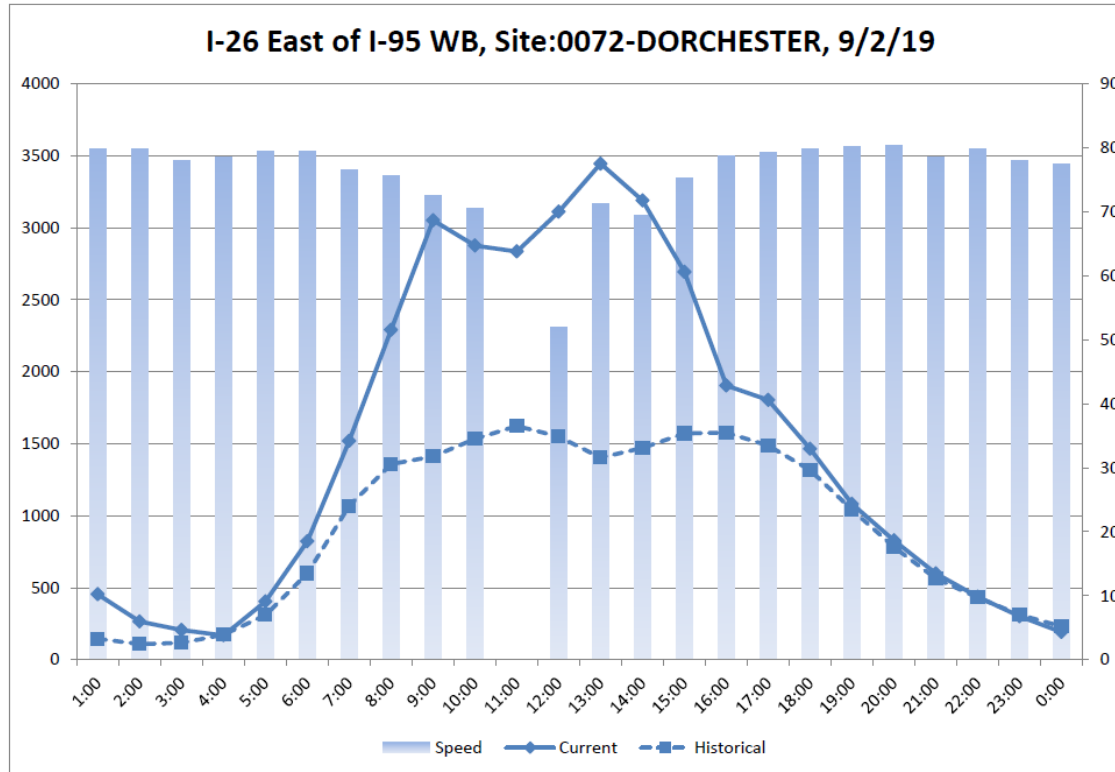
# State Highway Emergency Program (SHEP)

- Established in 1996, SHEP (State Highway Emergency Program) serves motorists traveling in the Charleston, Columbia, Florence, Grand Strand/Myrtle Beach, Rock Hill, and Upstate (Cherokee, Spartanburg, Greenville and Anderson) areas. Prepared to handle a variety of situations, SCDOT SHEP responders make minor repairs to disabled vehicles and, assists with traffic control and traffic incident management. In addition, SHEP provides enhanced services during emergency events such as hurricane evacuations, floods, eclipses, etc.
- Currently SHEP provides these services to 350 miles of SCDOT maintained routes statewide, and are dispatched from five Traffic Management Centers located in:
  - Charleston
  - Columbia
  - Greenville
  - Myrtle Beach
  - Rock Hill

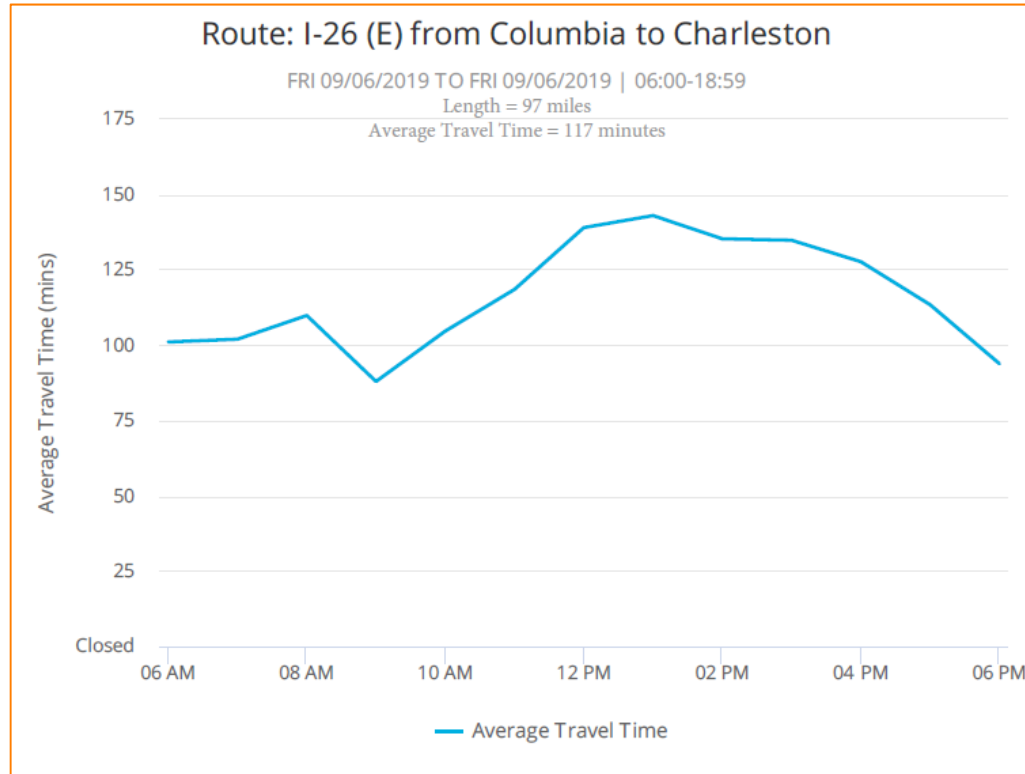




# ITS Support for Hurricane Evacuations



# ITS Support for Hurricane Evacuee Reentry



# SCDOT ITS Plans for the Future

- Continue ITS Infrastructure buildout, currently moving north up I-95
- As DMS are replaced upgrade to color DMS
- Procurement of Stopped Vehicle Detection software to supplement ATMS
- Capital Improvements for State TMC which is only 24/7 TMC in South Carolina
- Study and implement emerging technologies for work zones and TSMO

# Challenges



**VS.**

**NOW, NOW, NOW**



# Challenges



# POLICY

