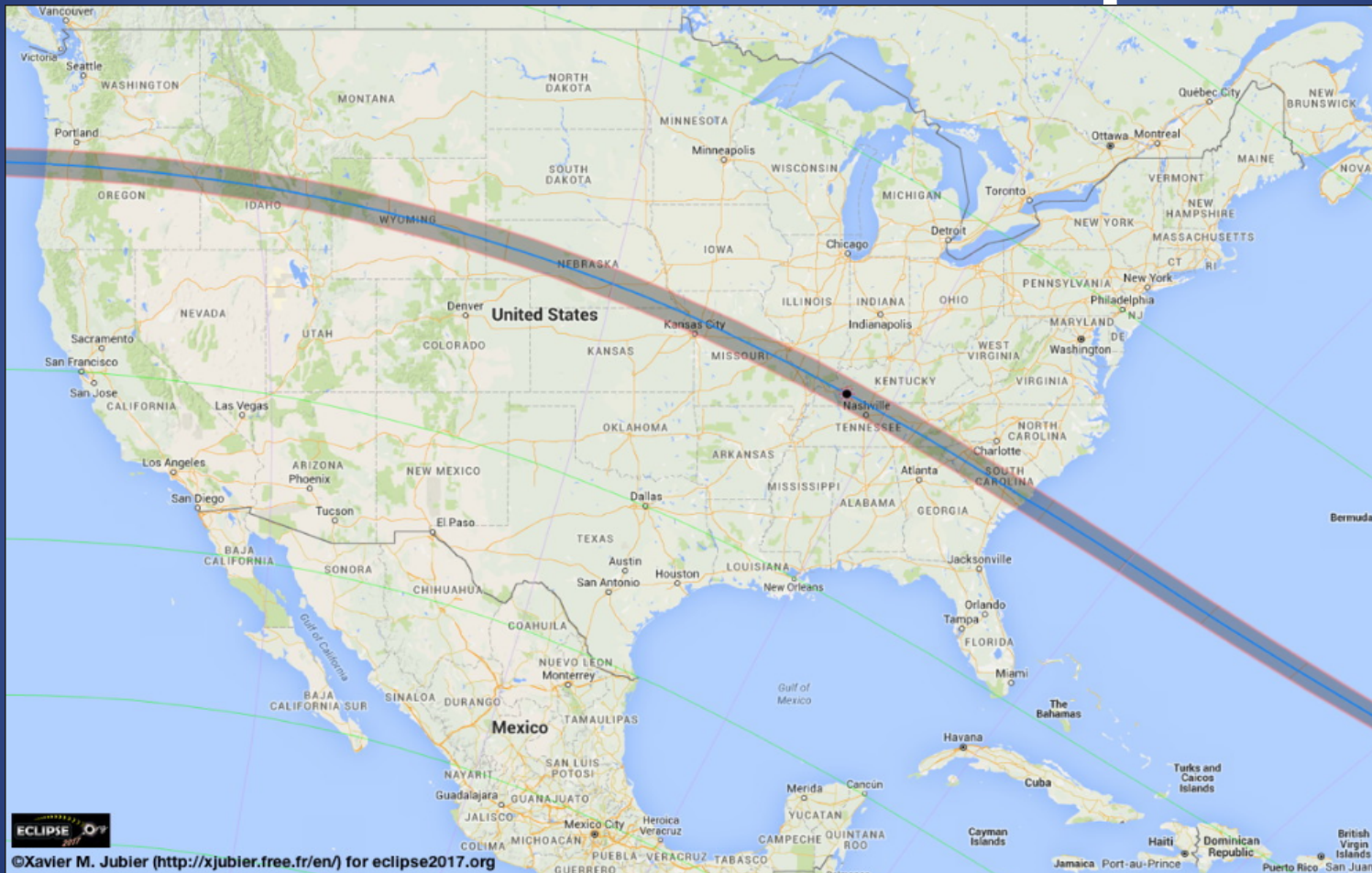


# SCDOT Response Plan 2017 Total Solar Eclipse

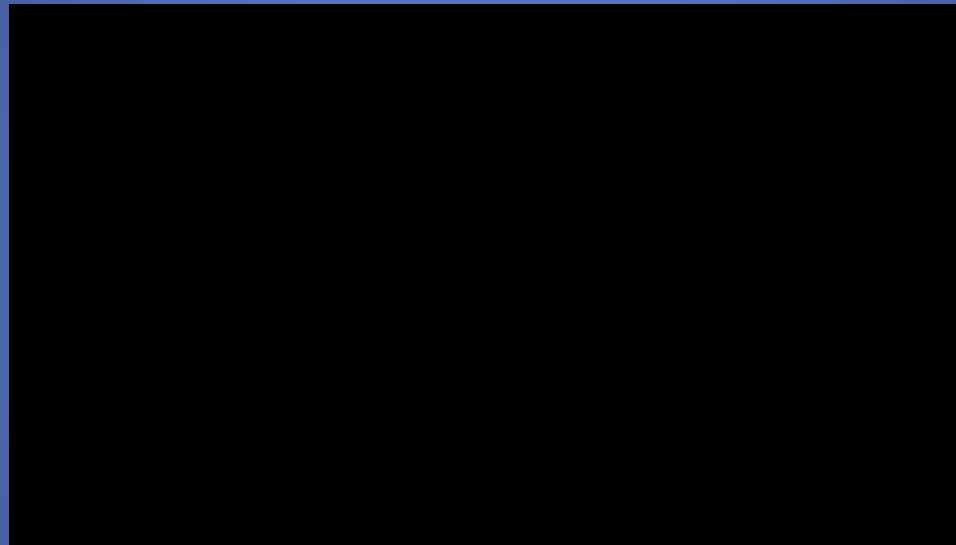


# Presentation Components

- The Event and expectations leading up to it
- SCDOT's Response Plan for the Event
- Data from the Event
- Lessons Learned



# The Event



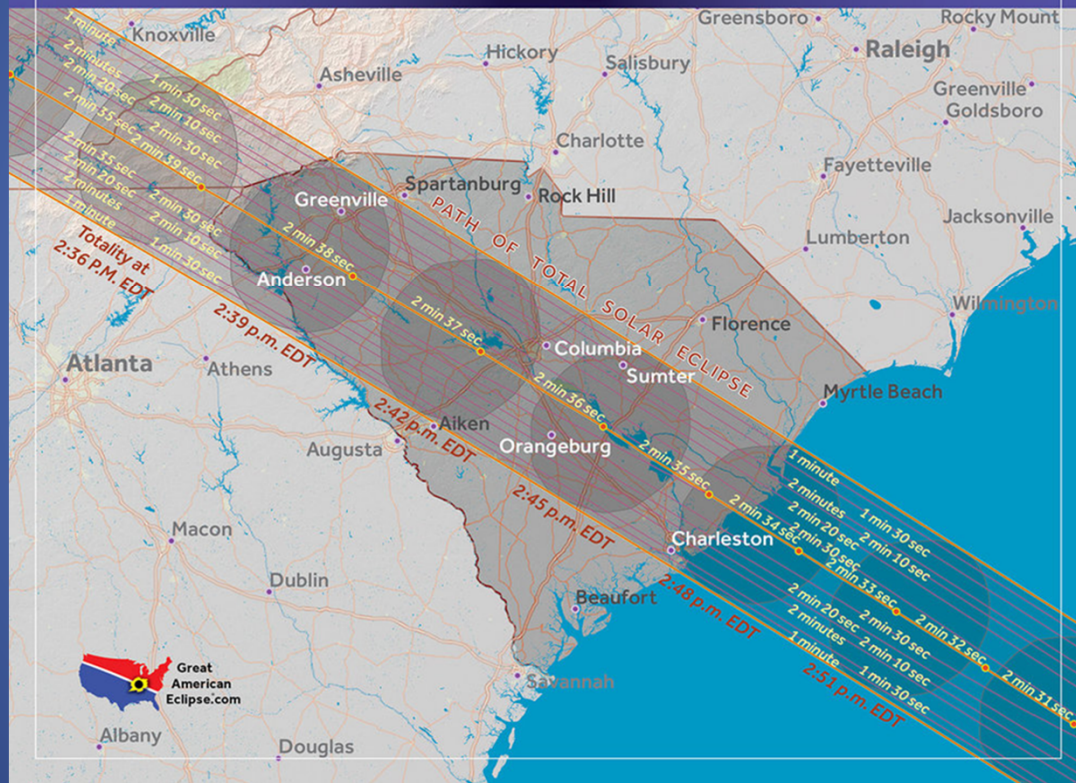
# The Event

## TOTAL SOLAR ECLIPSE OVER SOUTH CAROLINA ON AUGUST 21, 2017

The sight of a lifetime



Don't miss it!



# Expectations

- First total solar eclipse in the continental US since 1979
- Projected to be the most viewed total eclipse in history
- The path of totality was only 70 miles wide
- SCEMD projected a wide range of visitors to S.C. for viewing



# Expectations

- Multiple major media sources named Columbia, S.C., as one of the best places to watch the eclipse because of its lengthy duration of “totality”
- S.C. was 1 of only 10 states through which the center line of totality passes
- Approximately 100 viewing events planned for three major cities within the limits of totality



# 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.”

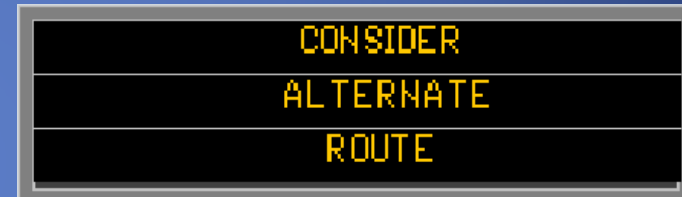
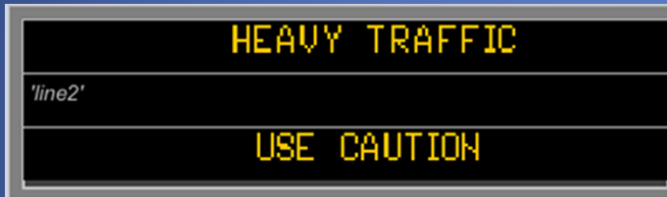
SC Code Section 57-1-30



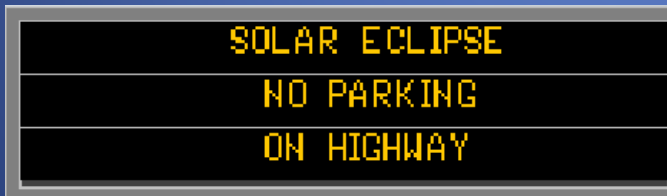
# SCDOT Response Plan

## Messaging

### Stage 1: Prior to the Event



### Stage 2: Day of the Event





# SCDOT Response Plan

## Lane Closures:

SCDOT prohibited lane closures of both construction contractors and maintenance work along Interstate and Primary routes.

### Interstate Routes

Lane Closure prohibition start	0800 19AUG17
Lane closure prohibition end	2000 22AUG17

### Primary Routes

Lane Closure prohibition start	0800 20AUG17
Lane closure prohibition end	2000 22AUG17



# SCDOT Response Plan

## Oversize Overweight Permits and Rest Areas:

- Permitting of loads in excess of 16' in width disapproved for day of the event, August 21, 2017
- Custodial services at rest areas increased for planned visitation



# SCDOT Response Plan

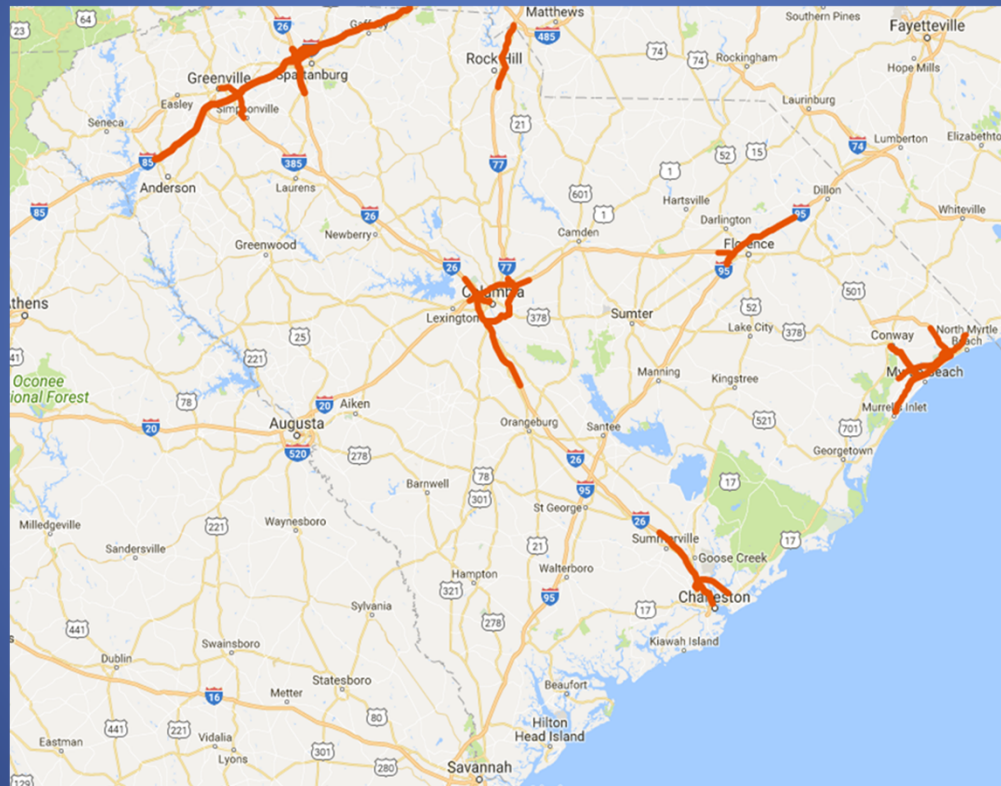
## Incident Responders:

- Assistance hours extended weekend prior to event
- Service routes extended day of the event and augmented by SCDOT county maintenance units
- SCDPS staffed up with SCHP assets at most interstate interchanges



# SCDOT Response Plan

## Incident Responder Service Routes:

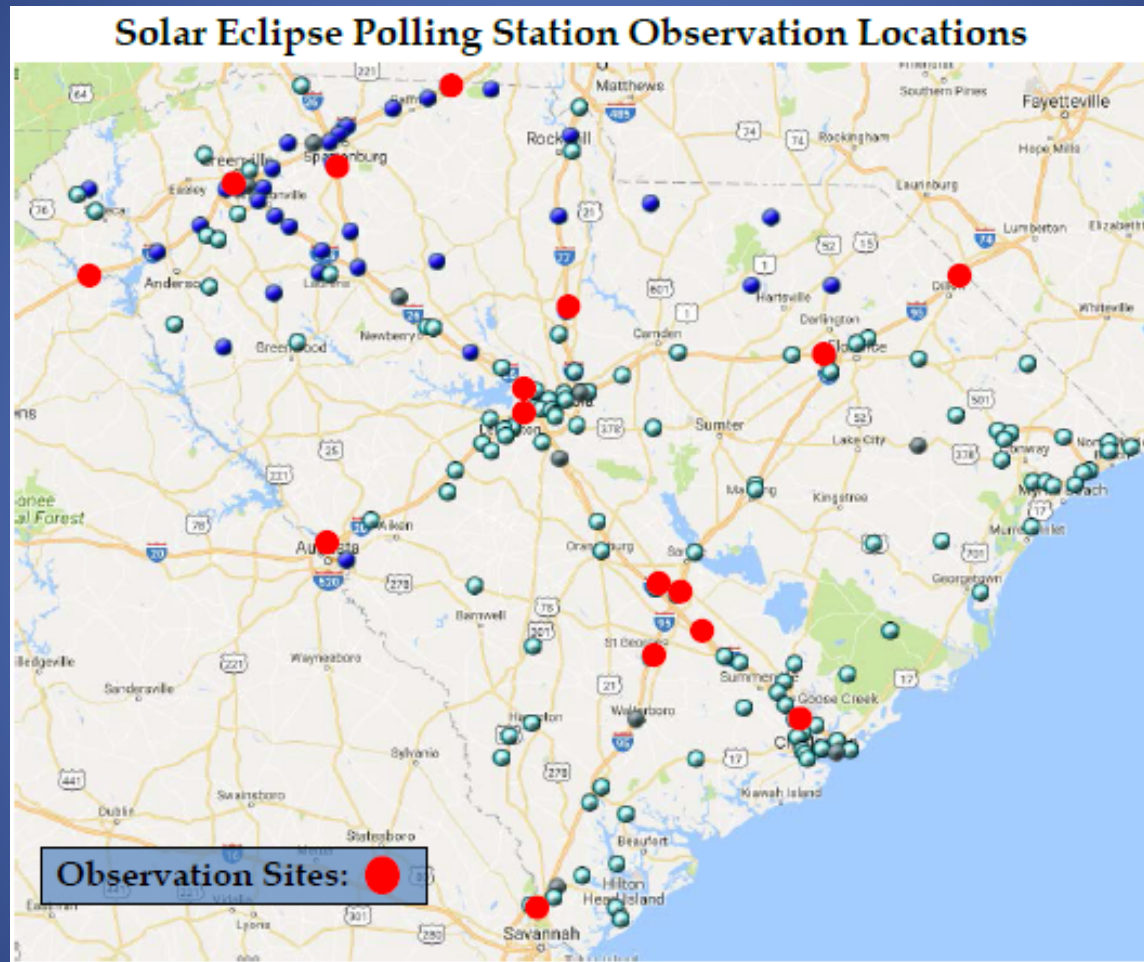


# Data from the Event

- Data analyzed and distributed from automatic traffic recorders (ATR's)
- Probe data monitored and distributed
- ITS cameras monitored for the event



# Data from the Event



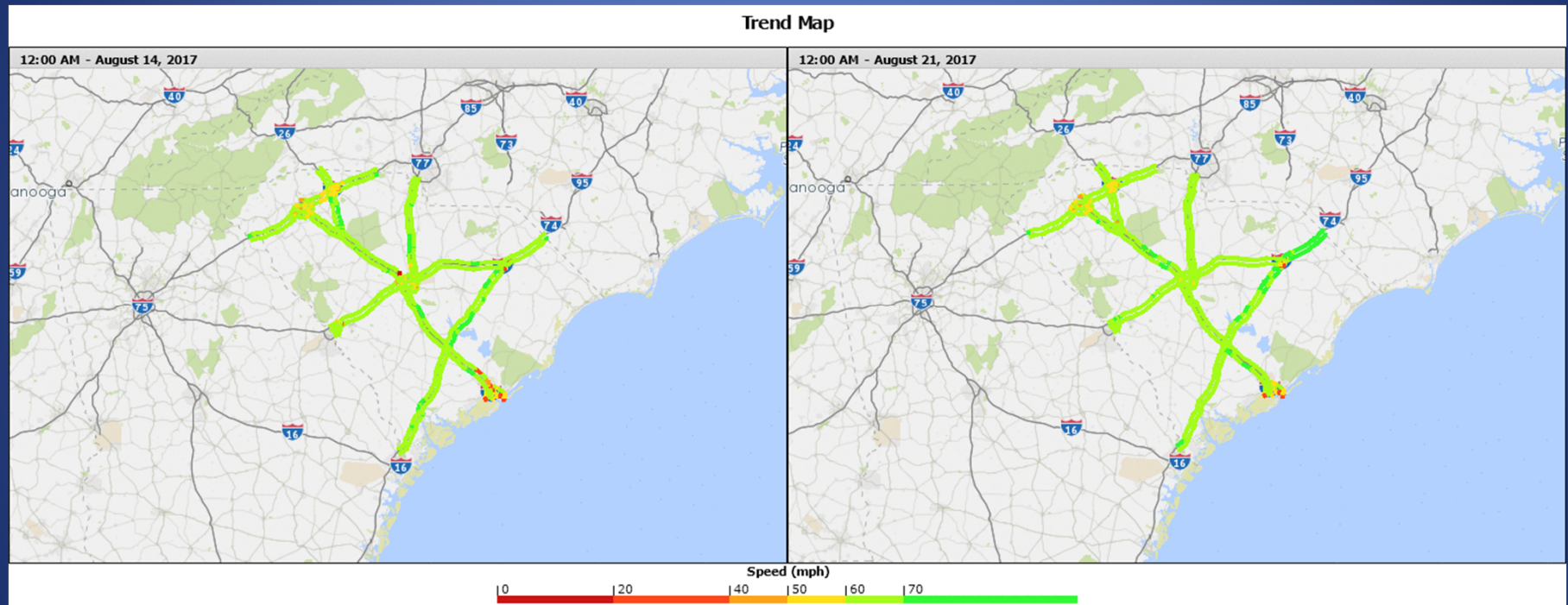
# Data from the Event

I-85 NEAR NC STATE LINE, Site:0027-CHEROKEE								
Site Location: I-85 WC at NC Line (MP 101.99 - MP 103.97)							8/21/17	
Time	Southbound			Northbound			Total hourly volume (both directions)	% Change
	Vehicle Count		Average Speed (MPH)	Vehicle Count		Average Speed (MPH)		
	Current	Historical		Current	Historical			
8:00	2,693	1,292	71	876	1,035	63	3,569	53%
9:00	2,531	1,291	70	890	1,040	63	3,421	47%
10:00	2,496	1,472	51	917	1,140	62	3,413	31%

I-95 AT NC STATE LINE, Site:0029-DILLON								
Site Location: I-95 Welcome Center at NC Line (MP 193.10 - MP 198.76)							8/21/17	
Time	Southbound			Northbound			Total hourly volume (both directions)	% Change
	Vehicle Count		Average Speed (MPH)	Vehicle Count		Average Speed (MPH)		
	Current	Historical		Current	Historical			
8:00	1,700	900		576	744		2,276	38%
9:00	2,100	1,046		648	866		2,748	44%
10:00	2,654	1,267		760	992		3,414	51%



# Data from the Event

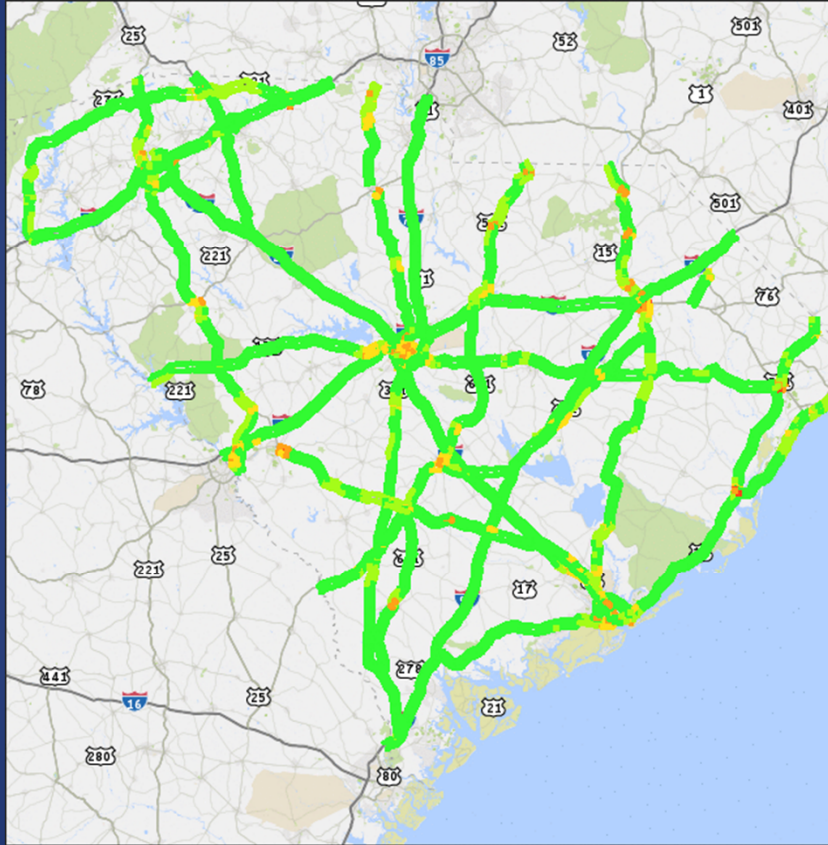




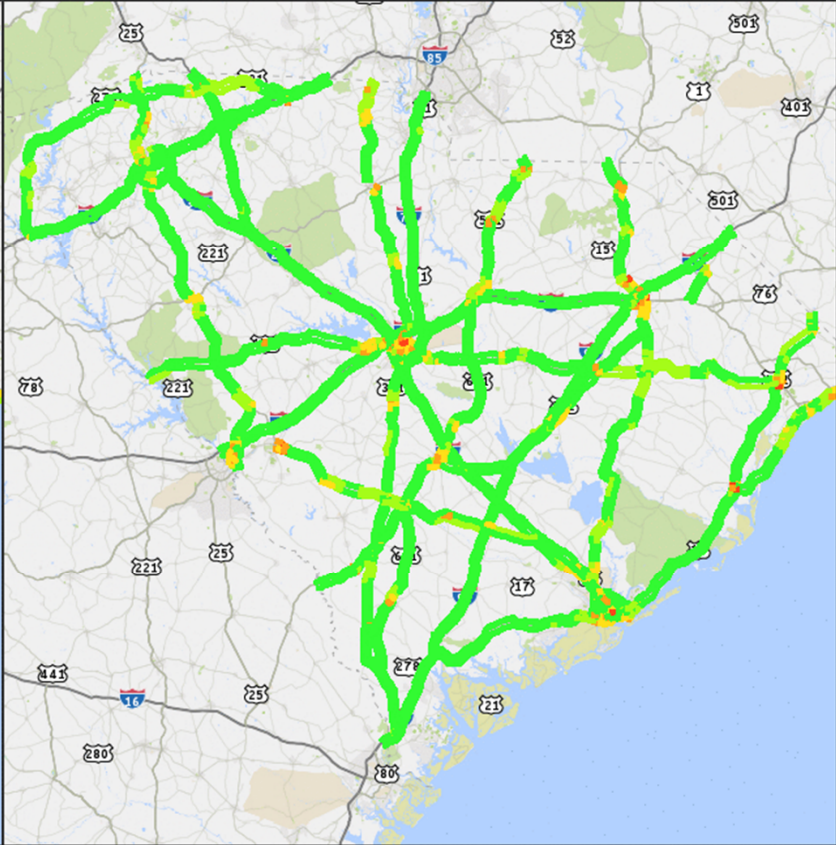
# Data from the Event

Trend Map

12:00 AM - August 14, 2017 (Monday)



12:00 AM - August 21, 2017 (Monday)



Speed (mph)



# Lessons Learned

- Hope that schools are off
- Expect weather to drive viewing destinations
- Pre-stage closure devices for rest areas
- Expect some strange ideas and requests

