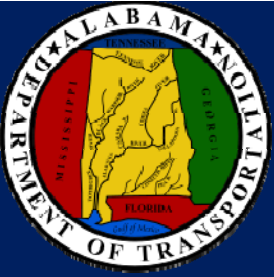




ALABAMA

Adaptive Signals
&
Other ITS Updates



Remember Me???? Yep, I'm That Guy.....



Kristy.M.Archer @kmarie40

21 Dec

@ihate280 I want to meet the Einstein who reset the timing on the 280 red lights AGAIN. #280traffic is a court defense for road rage.

Expand



Keepsbreakndown @Keepsbreakndown

21 Dec

@kmarie40 @ihate280 his name is Brett Sellers bham traffic director for ALDOT. Call him at 205-328-5820 and tell him what a dumbass he is.

[Hide conversation](#) [Reply](#) [Retweet](#) [Favorite](#) [More](#)

1:42 PM - 21 Dec 12 - Details

Reply to @Keepsbreakndown @kmarie40 @ihate280



Keepsbreakndown @Keepsbreakndown

13 Dec

@ihate280 for those upset with traffic light changes on 280 please call traffic director Brett Sellers at 205-328-5820. Let him know!

Expand



Existing Roadway Characteristics



- Six-lane divided arterial (most segments!)
- Posted speed limit of 55 mph
- Daily Volume 60k-80k +
- 25 signals in adaptive system (9 mile segment)



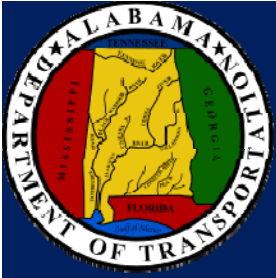
ACCESS MANAGEMENT

- Remove, add, and modify traffic signals
- Increase turning capacities
- Michigan left
- "Alabama T"



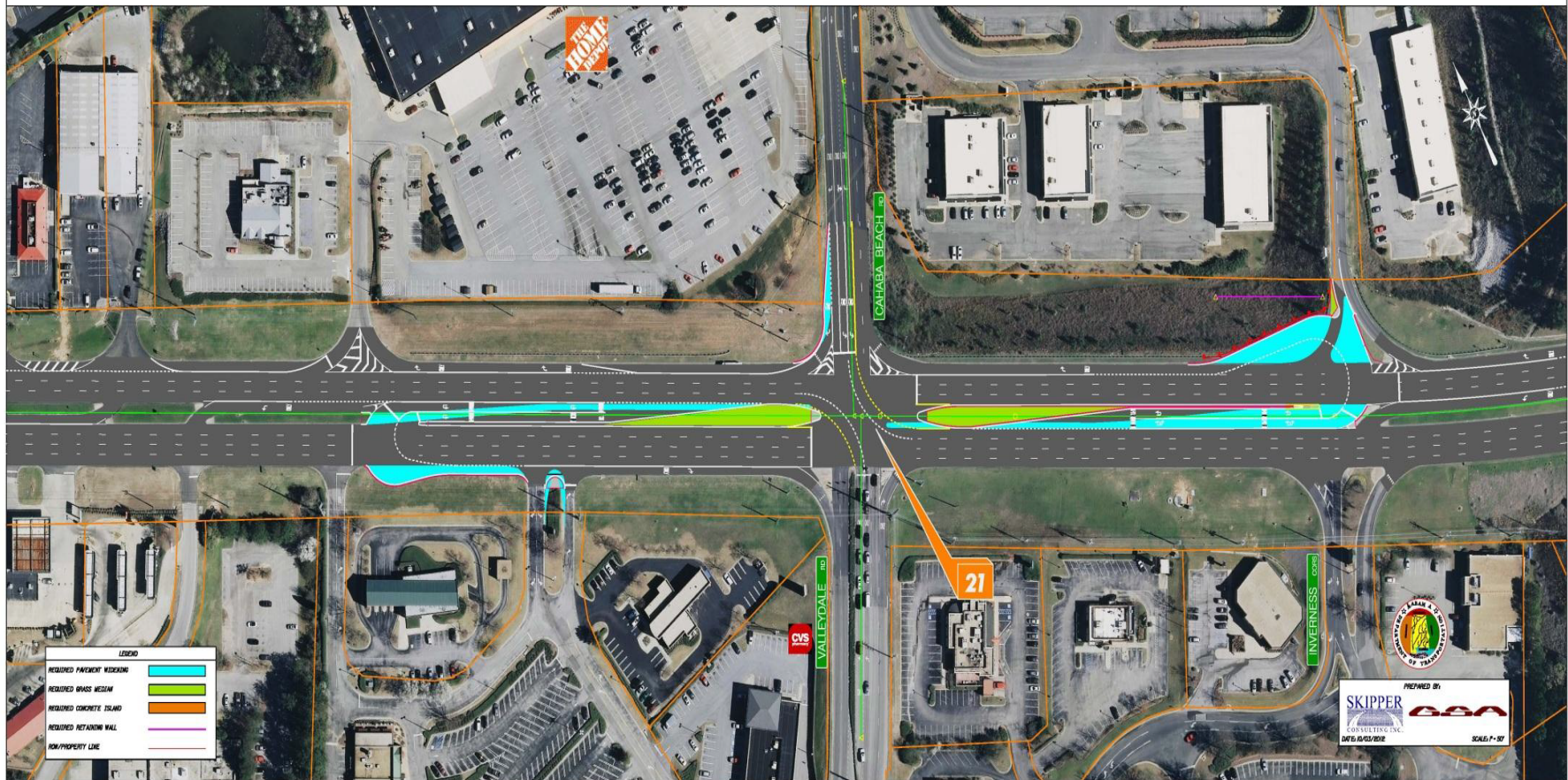
U.S. HIGHWAY 280 @ GREEN VALLEY ROAD



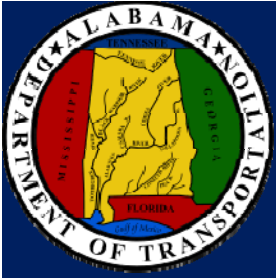


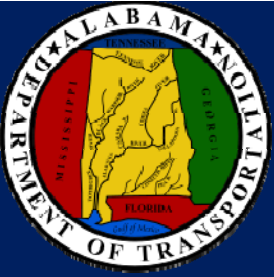


U.S. HIGHWAY 280 @ VALLEYDALE ROAD

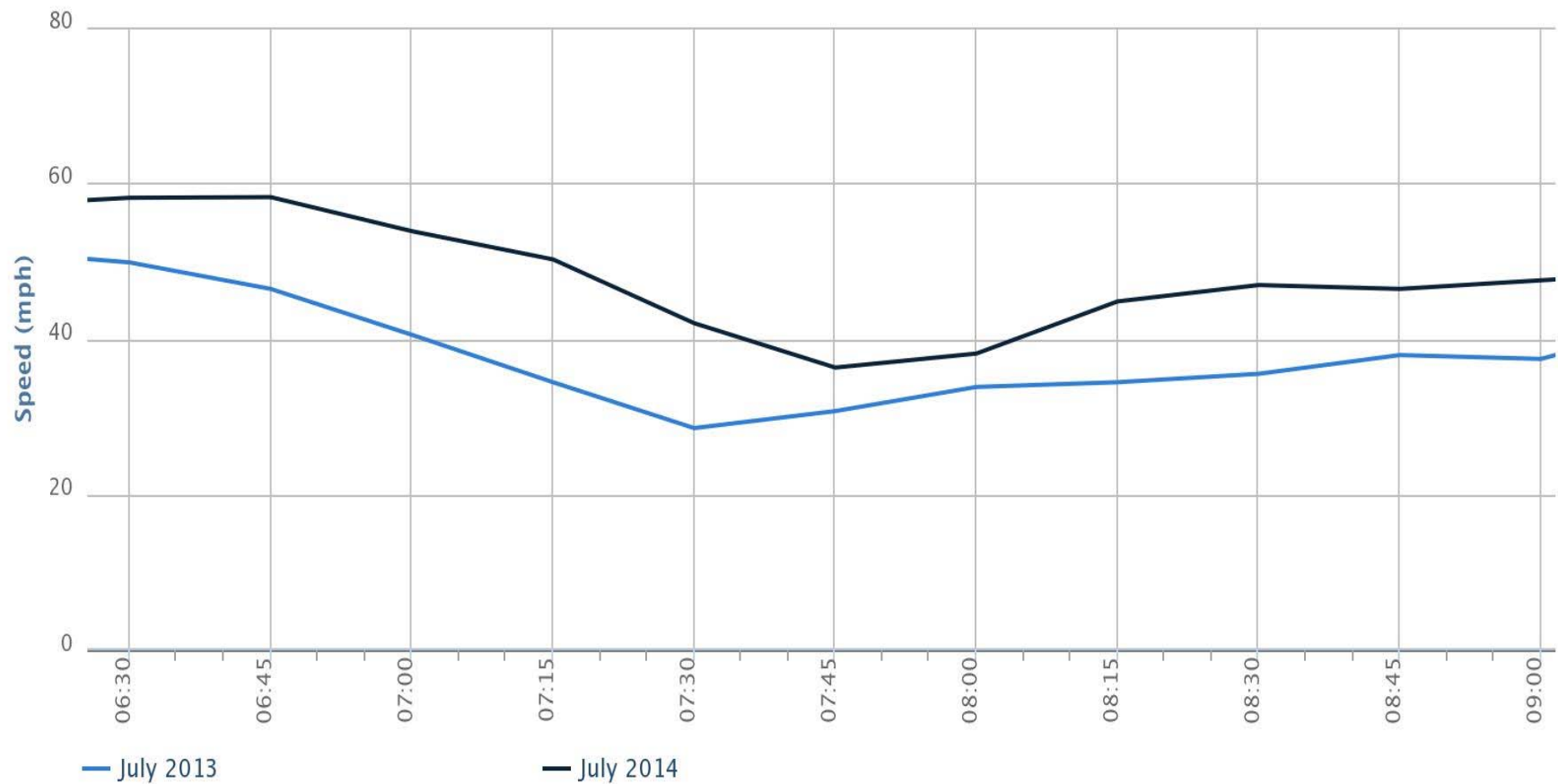


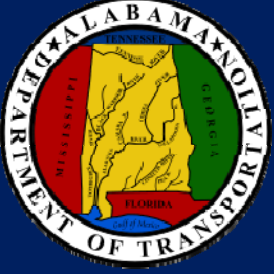






Historical Trends for Birmingham - US 280 & CR 17 (u1657) to US 280 & Inverness Pkwy (u1656) - West Bound





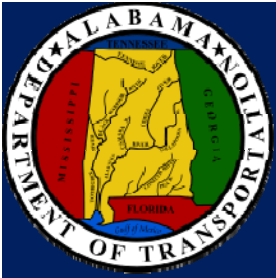
Adaptive Signal System

- SCATS - Sydney Coordinated Adaptive Traffic System
 - Three deployments in Alabama
 - Birmingham
 - Huntsville
 - Montgomery
- ACS Lite
 - Deployed in Gulf Shores
- SCOOT – Split Cycle Offset Optimization Technique
 - Two possible deployments



Alternate Detection

- ❖ FLIR thermal imaging camera
- ❖ Wavetronix



US 280 @ Summit Boulevard V-5

2015/09/17 10:39

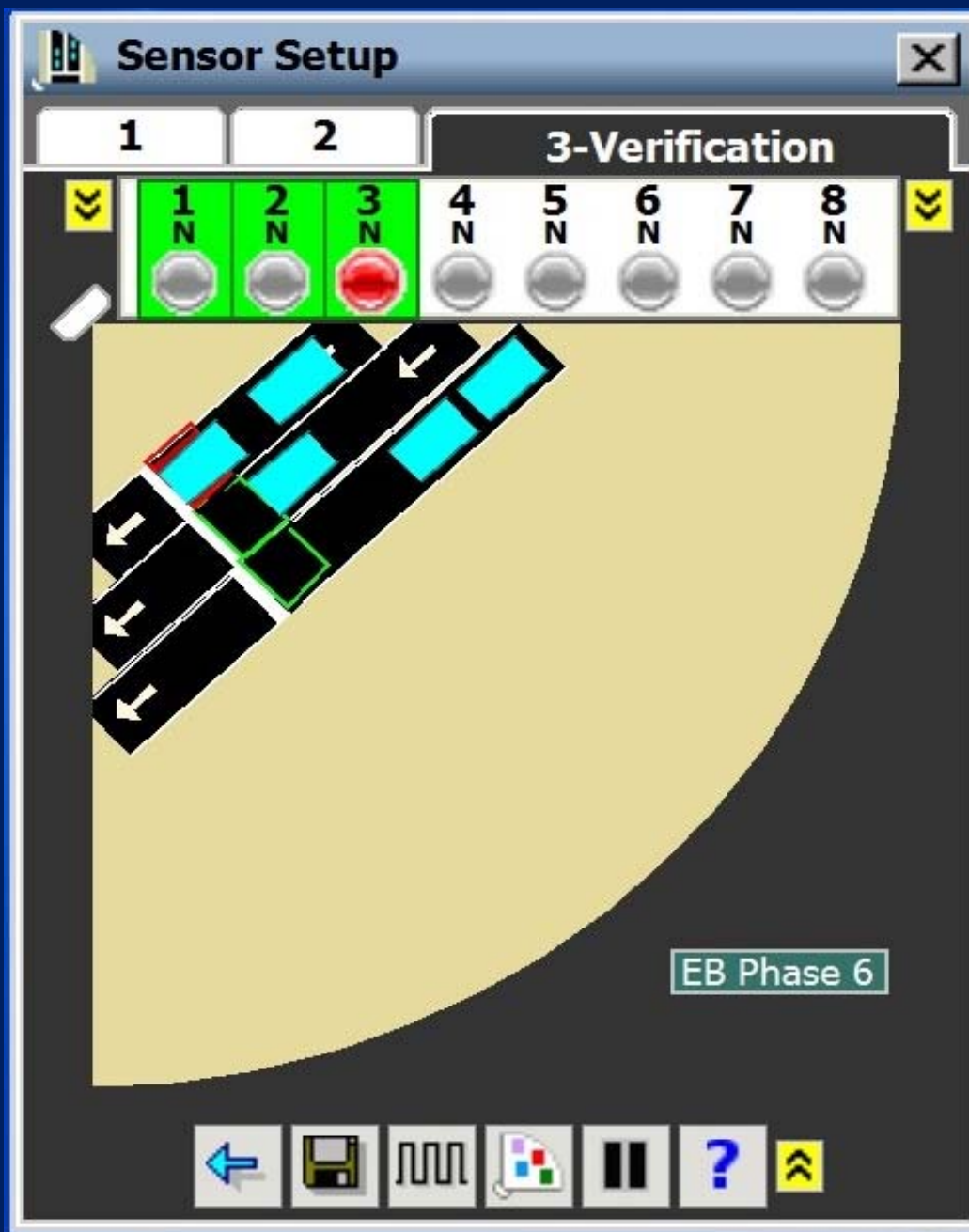
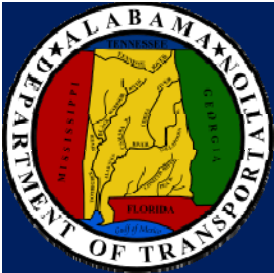
T62 Red Phase 5

D9

T62 Red Phase 5

D8







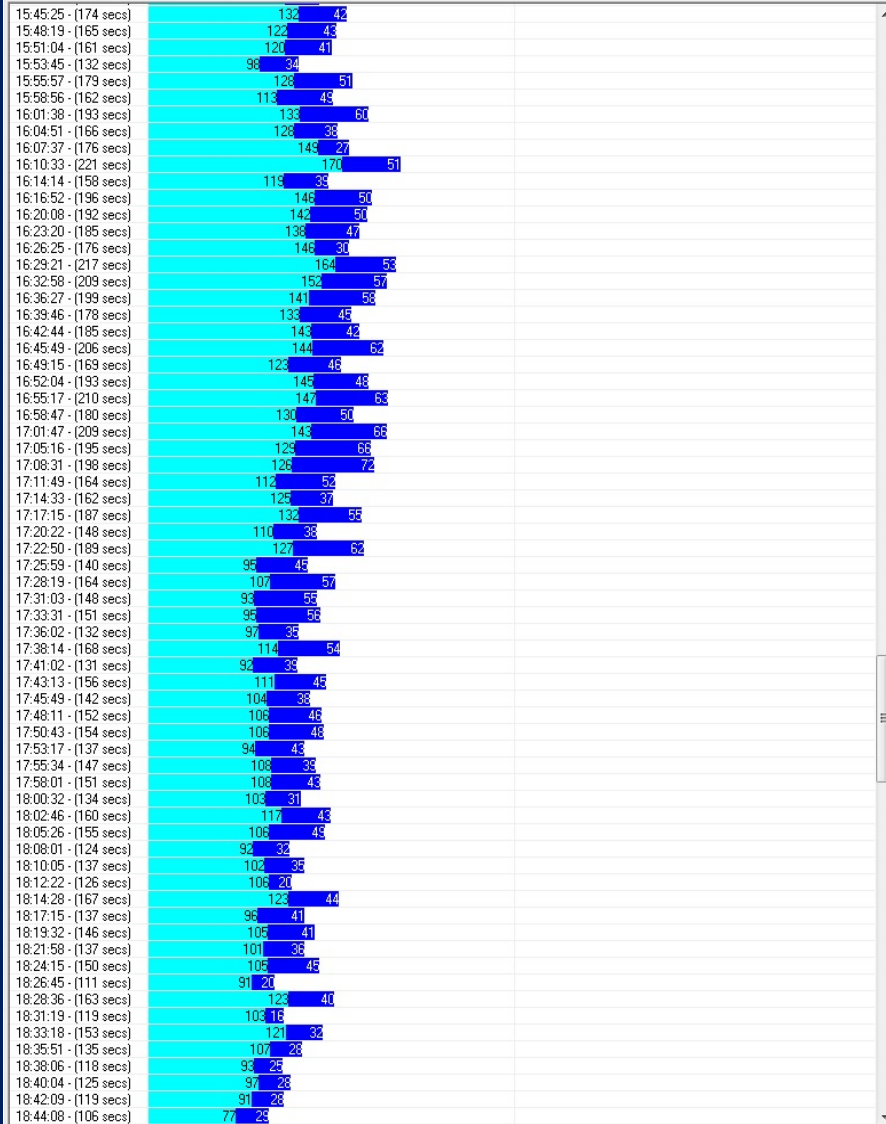




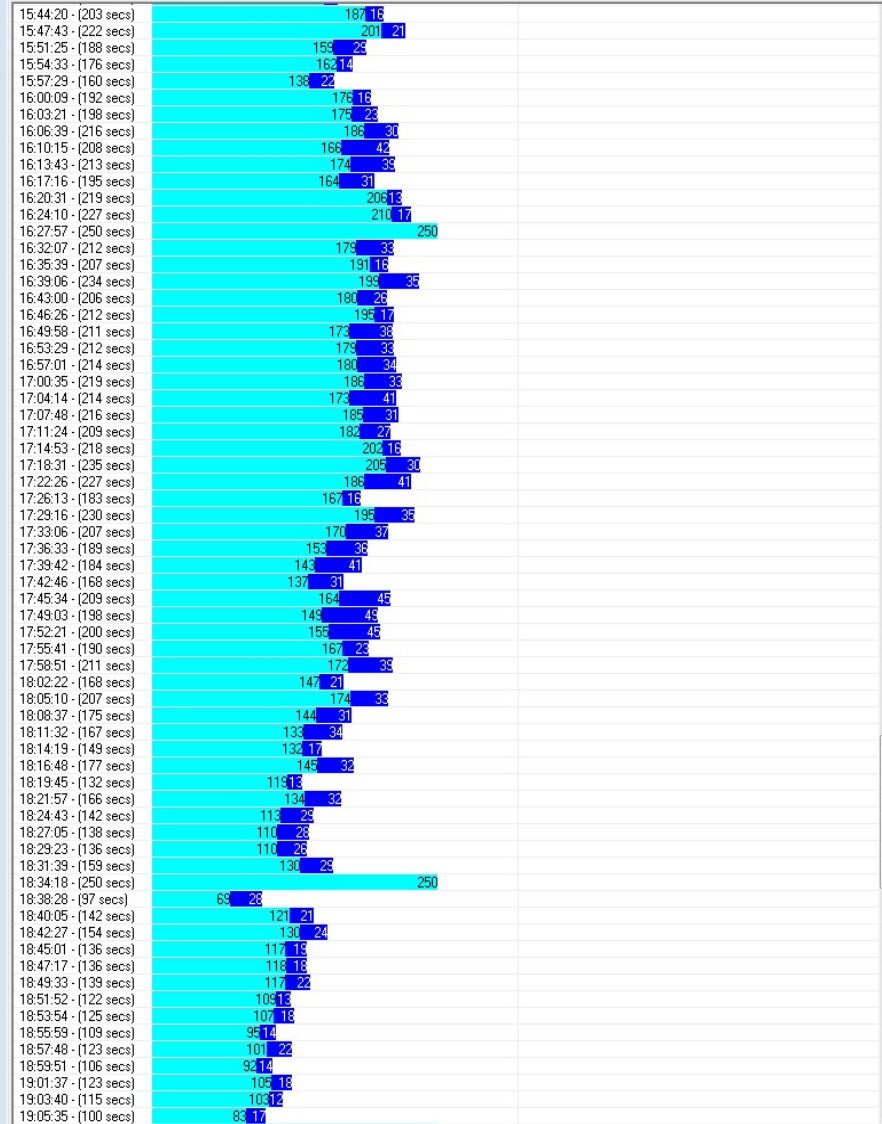




Phases Cycles Timeline Statistics



Phases Cycles Timeline Statistics





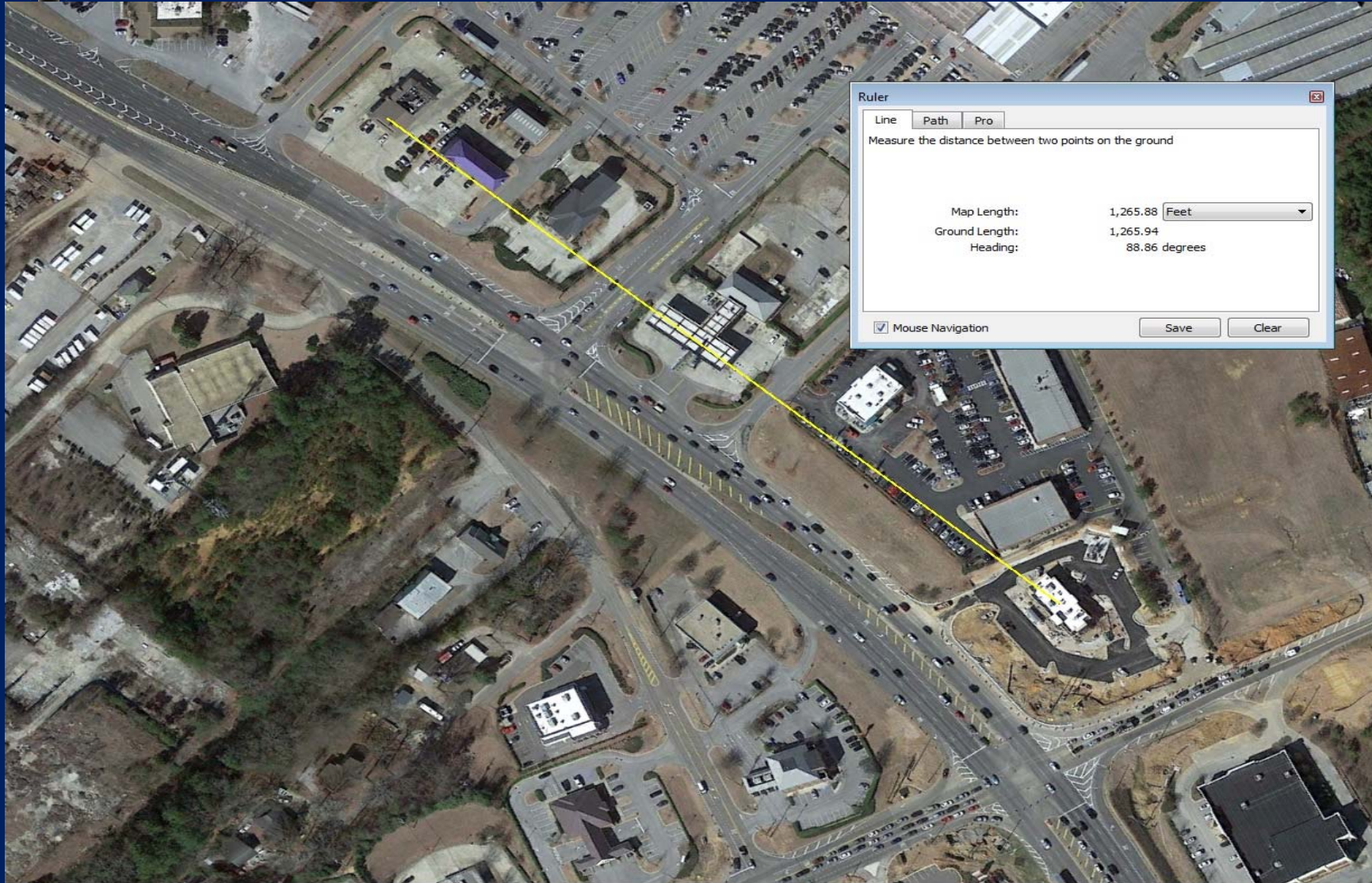
Did the corridor survive?

“Y’all are going to kill businesses out here”



Breakfast Anyone?





Ruler

Line Path Pro

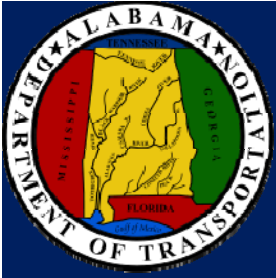
Measure the distance between two points on the ground

Map Length:	1,265.88	Feet
Ground Length:	1,265.94	
Heading:	88.86 degrees	

☒ Mouse Navigation

Save Clear







Hazard Pay?



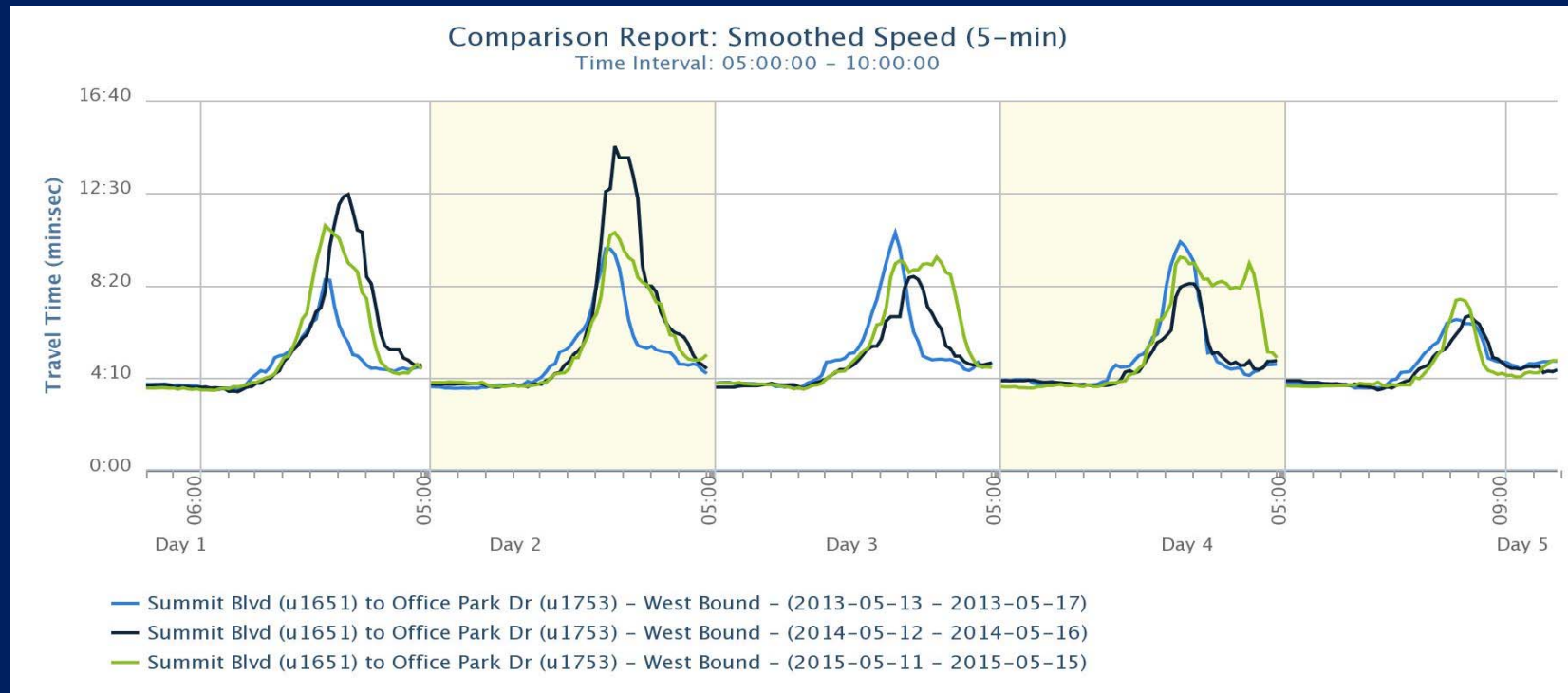


How are we doing????

- Still experience supersaturated conditions on the mainline in the peak hours
- Tracking travel times through BlueTOAD



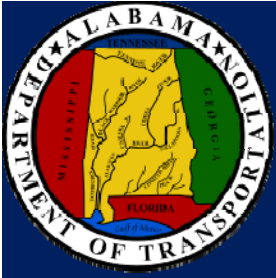
Still there????





Other Efforts

- Alabama Service and Assistance Patrol Expansion
- Contract wrecker service
- @better280 twitter account (1,250+ followers)



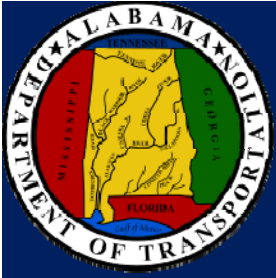
Month	# of assist	Invoice Amount	Cost per Assist	Days Worked	Assist per Day
Feb 2014	21	\$9,500.00	\$452.38	21	1.0
Mar 2014	18	\$11,587.50	\$643.75	21	0.9
Apr 2014	13	\$11,325.00	\$871.15	22	0.6
May 2014	24	\$10,862.50	\$452.60	21	1.1
Jun 2014	47	\$11,225.00	\$238.83	21	2.2
Jul 2014	47	\$11,625.00	\$247.34	22	2.1
Aug 2014	51	\$11,600.00	\$227.45	23	2.2
Sep 2014	41	\$11,387.00	\$277.73	25	1.6
Oct 2014	22	\$12,537.50	\$569.89	23	1.0
Nov 2014	36	\$10,637.50	\$295.49	20	1.8
Dec 2014	56	\$10,262.50	\$183.26	22	2.5
Jan 2015	61	\$11,800.00	\$193.44	21	2.9
Feb 2015	26	\$11,325.00	\$435.58	20	1.3
Mar 2015	41	\$11,050.00	\$269.51	22	1.9
Apr 2015	31	\$12,037.50	\$388.31	22	1.4
May 2015	43	\$11,050.00	\$256.98	20	2.2
Jun 2015	28	\$12,737.50	\$454.91	22	1.3
Jul 2015	42	\$12,925.00	\$307.74	23	1.8



Carpocalypse begins 10/10/15

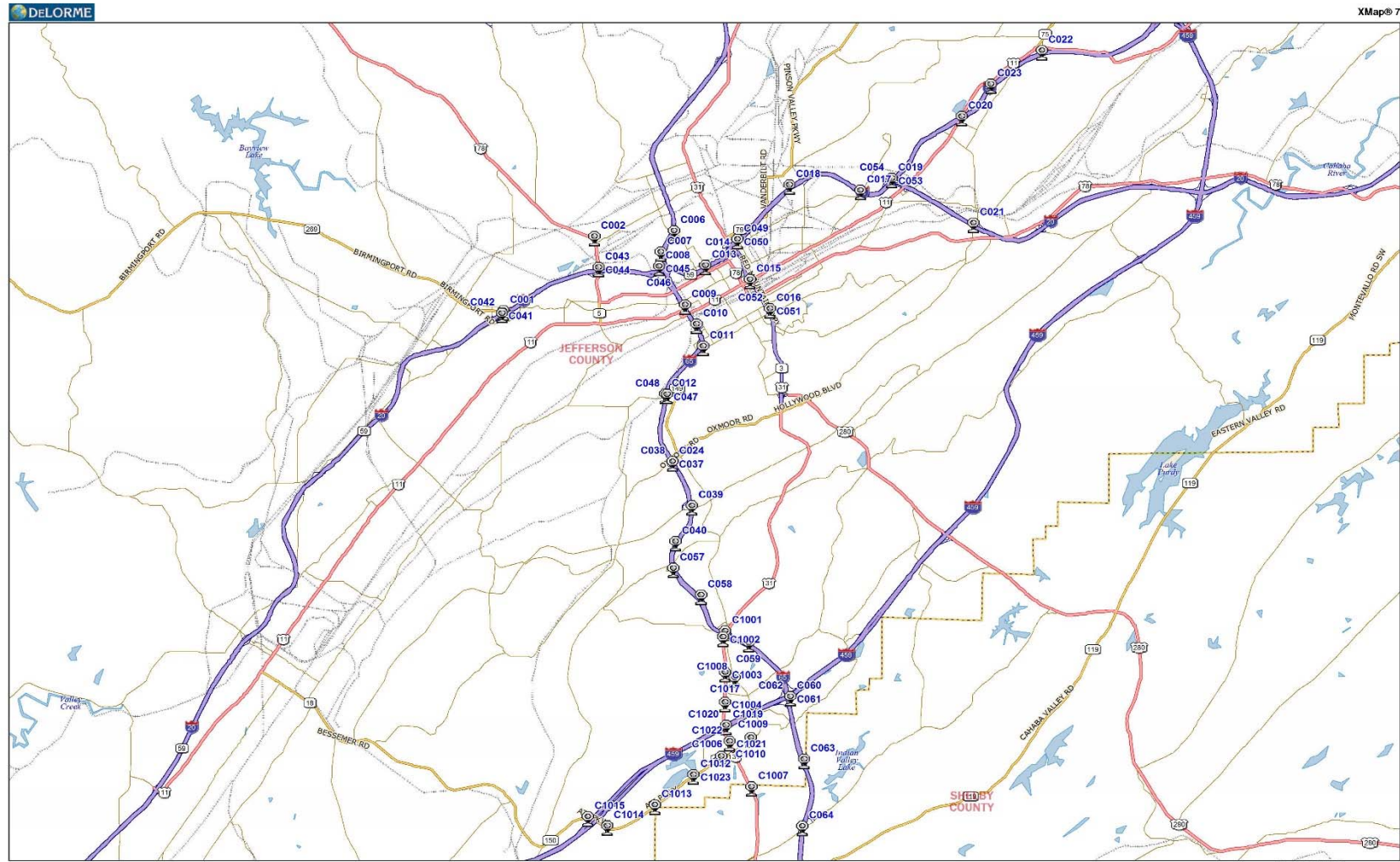


Grandview Medical Center





Birmingham Area ITS

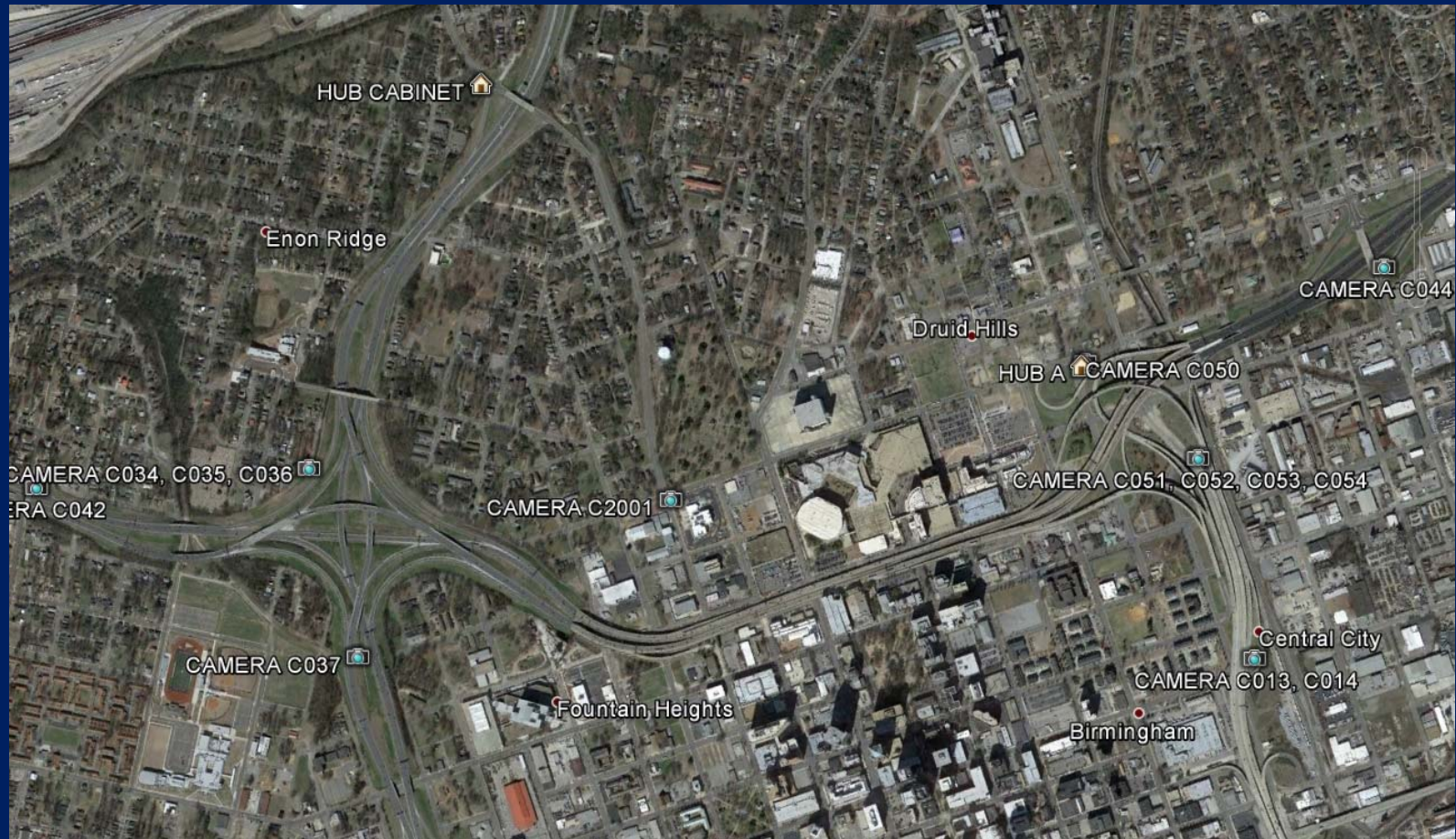


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Scale 1" = 112,500
1" = 1.78 mi Data Zoom 10-7



Central Business District Bridge Replacement



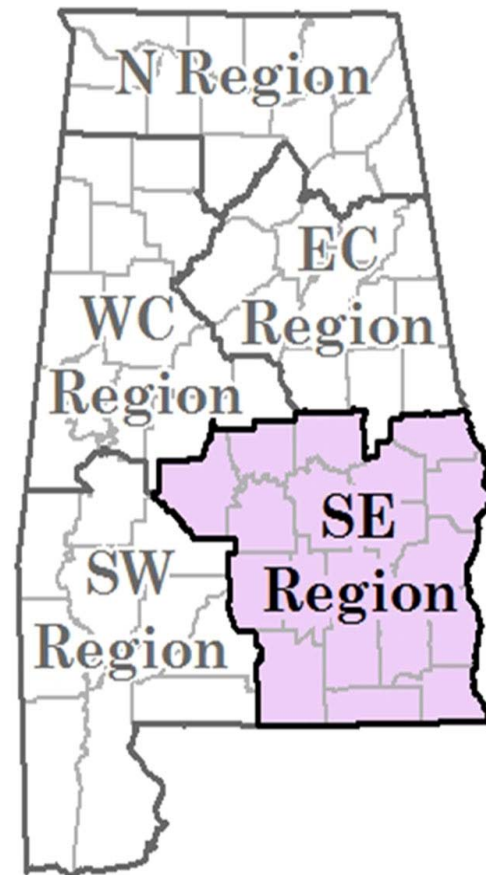
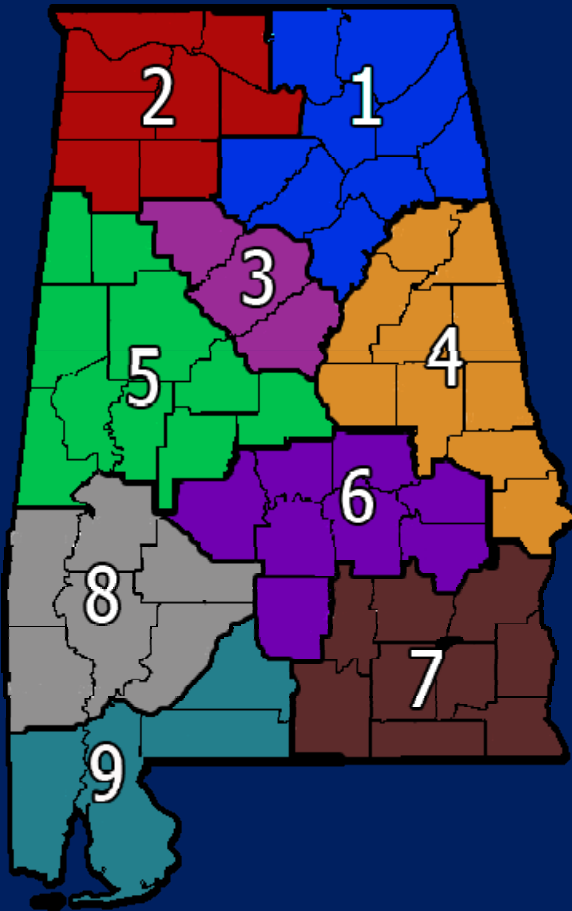


Statewide Efforts

- State ITS Program Manager
- Updating Statewide Architecture
- Probe Data
- 511 System
- Roll out of algotraffic
- Device standards
- Advanced Transportation Management System



Division to Region





Thank You!

Questions?

Comments?