

# **MetroPlan Orlando Travel Time Study & Benefit Cost Analysis**

Osceola, Orange, and Seminole Counties, Florida

July 2016

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Prepared For:

**MetroPlan Orlando**

250 S. Orange Ave. #200

Orlando, Florida 32801

(407) 481-5672

Prepared By:

**Kittelson & Associates, Inc.**

225 East Robinson Street, Suite 450

Orlando, FL 32801

(407) 540-0555

Project Manager: Ryan J. Cunningham, P.E.

Project Principal: Jane Lim-Yap, AICP LEED®AP

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# INTRODUCTION

MetroPlan Orlando has requested Kittelson & Associates, Inc. (KAI) to evaluate the travel time savings associated with corridor signal retiming projects completed across the metropolitan planning area (i.e., Seminole, Orange, and Osceola Counties) in Fiscal Year (FY) 2015/16. Signal retiming along corridors is a relatively low-cost Transportation Systems Management and Operations (TSMO) strategy that typically results in measureable benefits including reduced vehicle delay, fuel savings, and reduced vehicle emissions. MetroPlan Orlando has been conducting this annual evaluation since 2007 to track the costs and benefits of this TSMO strategy. This study is focused on understanding the costs and benefits of the signal retiming implemented by the Florida Department of Transportation (FDOT) in FY 2015/16.

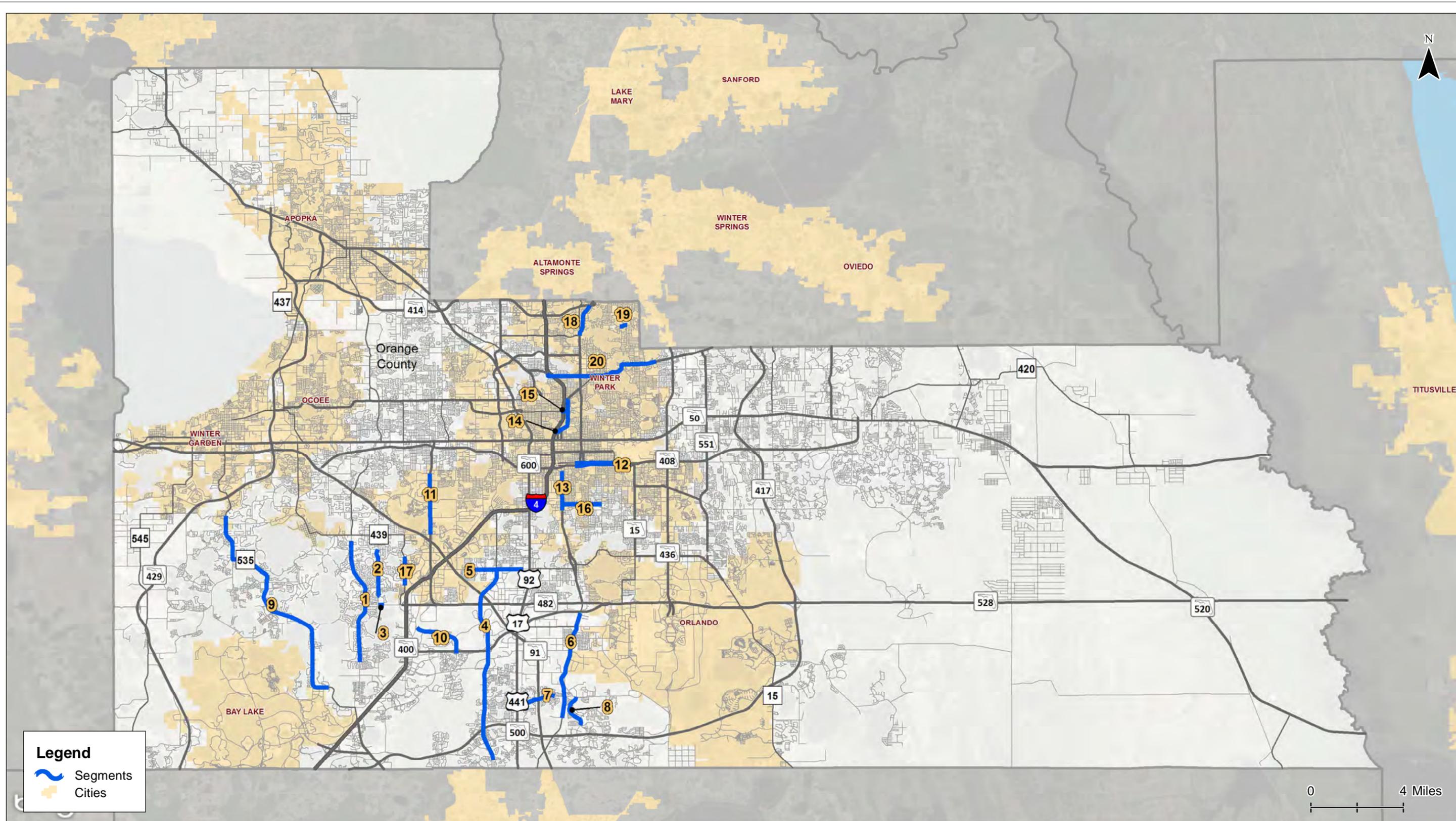
## Corridor Locations

FDOT completed retiming projects on 29 corridors throughout the MetroPlan Orlando planning area in late 2015 and early 2016. The corridor travel times were evaluated before the corridor signal retiming and then again after the new signal timings were implemented to assess the travel time savings associated with the corridor retiming project.

The study corridors are depicted in **Table 1**. The traffic signals are maintained by Seminole County, Orange County, City of Orlando, and Osceola County within their respective jurisdictions. The study corridors within Seminole County, Orange County, and Osceola County are illustrated in **Figures 1 through 3**.

**Table 1 : Study Corridors**

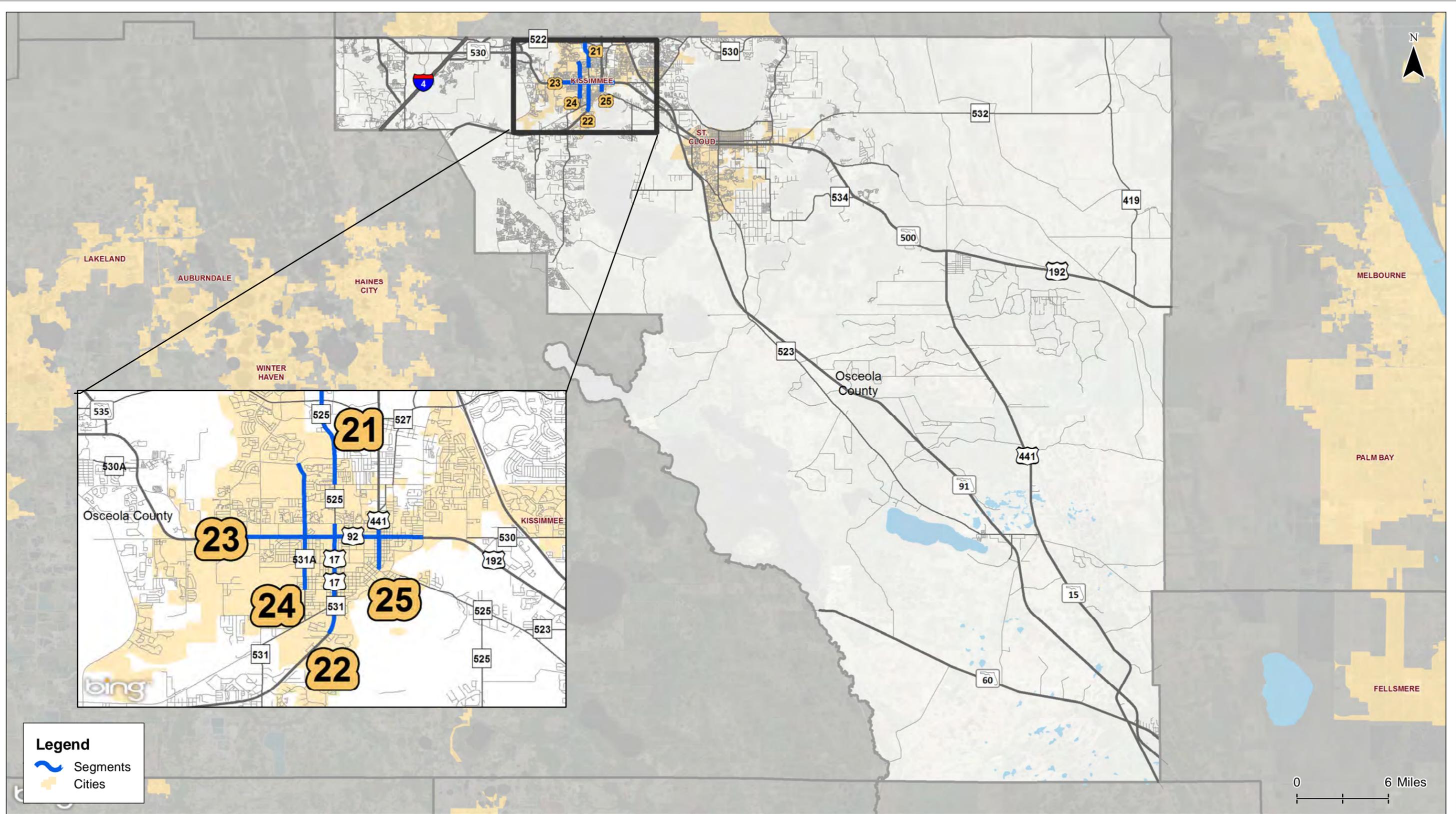
Corridor No.	Road	Limits	Length	County
1	Apopka Vineland Rd	Boca Pointe Dr – Buena Vista Woods to St. Luke's-Cascades	6.07	Orange
2	Dr. Phillips Blvd	Della Dr to Pin Oak Dr	2.42	Orange
3	Sand Lake Rd	Della-The Esplanade to Dr Phillips Blvd	0.47	Orange
4	John Young Pkwy	Hunters Creek Blvd to Oak Ridge Rd	9.01	Orange
5	Oak Ridge Rd	Harcourt Ave to Rio Grande Ave	2.28	Orange
6	Orange Ave (CR 527)	Cypress Creek High School to Jetport Dr	5.09	Orange
7	Wetherbee Rd	Balcombe Rd - Isle of Wright Dr to Bisted Dr - Sir Winston	1.37	Orange
8	Landstar Blvd	Town Center Blvd-Rhode Island Woods to Wetherbee Rd	1.80	Orange
9	Winter Garden Vineland Rd (CR 535)	Jacaranda Blvd to Tilden Rd/Sunset Lakes Cir	10.32	Orange
10	Universal Blvd	SR 528 EB Off Ramp to Pointe Plaza Ave	2.32	Orange
11	SR 435 (Kirkman Rd)	Conroy Rd to Westgate Dr	2.75	Orange
12	SR 15 E-W (South St / Anderson St)	Summerlin Ave to Lake Underhill Rd	1.63	Orange
13	SR 527 (N Orange Ave)	Pineloch Ave to S. Lucerne Cir	1.91	Orange
14	SR 527 (N Orange Ave)	Marks St to Clay St	1.63	Orange
15	Princeton St	Formosa St to SR 527 (N. Orange Ave)	0.72	Orange
16	Michigan St	SR 527 (N. Orange Ave) to Bumby Ave	1.78	Orange
17	Turkey Lake Rd	Vineland Rd to Wallace Rd	1.48	Orange
18	US 17-92	Lake Ave to Mayo Ave	1.34	Orange
19	Howell Branch Rd	Via Tuscany to Temple Dr	0.53	Orange
20	SR 426	Wymore Rd to Balfour Dr	4.80	Orange
21	John Young Pkwy	Donegan Ave to Thacker Ave	2.60	Osceola
22	John Young Pkwy	Columbia St to Osceola Park Dr	2.66	Osceola
23	Vine St / US 192	Hoagland Blvd to Michigan Ave / Oak St	3.76	Osceola
24	Thacker Ave	Carroll St to Patrick St	2.29	Osceola
25	US 441/ Main St / Emmett St	Emmett St to Columbia St	1.19	Osceola
26	SR 436	Wilshire Dr to Casselton Dr	3.02	Seminole
27	SR 436	Fern Park Blvd to Anchor Rd	0.80	Seminole
28	US 17-92	Spartan Dr to Airport Blvd	10.06	Seminole
29	Howell Branch Rd	Lake Howell Rd to Butler Plaza	0.57	Seminole



Orange County Study Corridors

Figure 1

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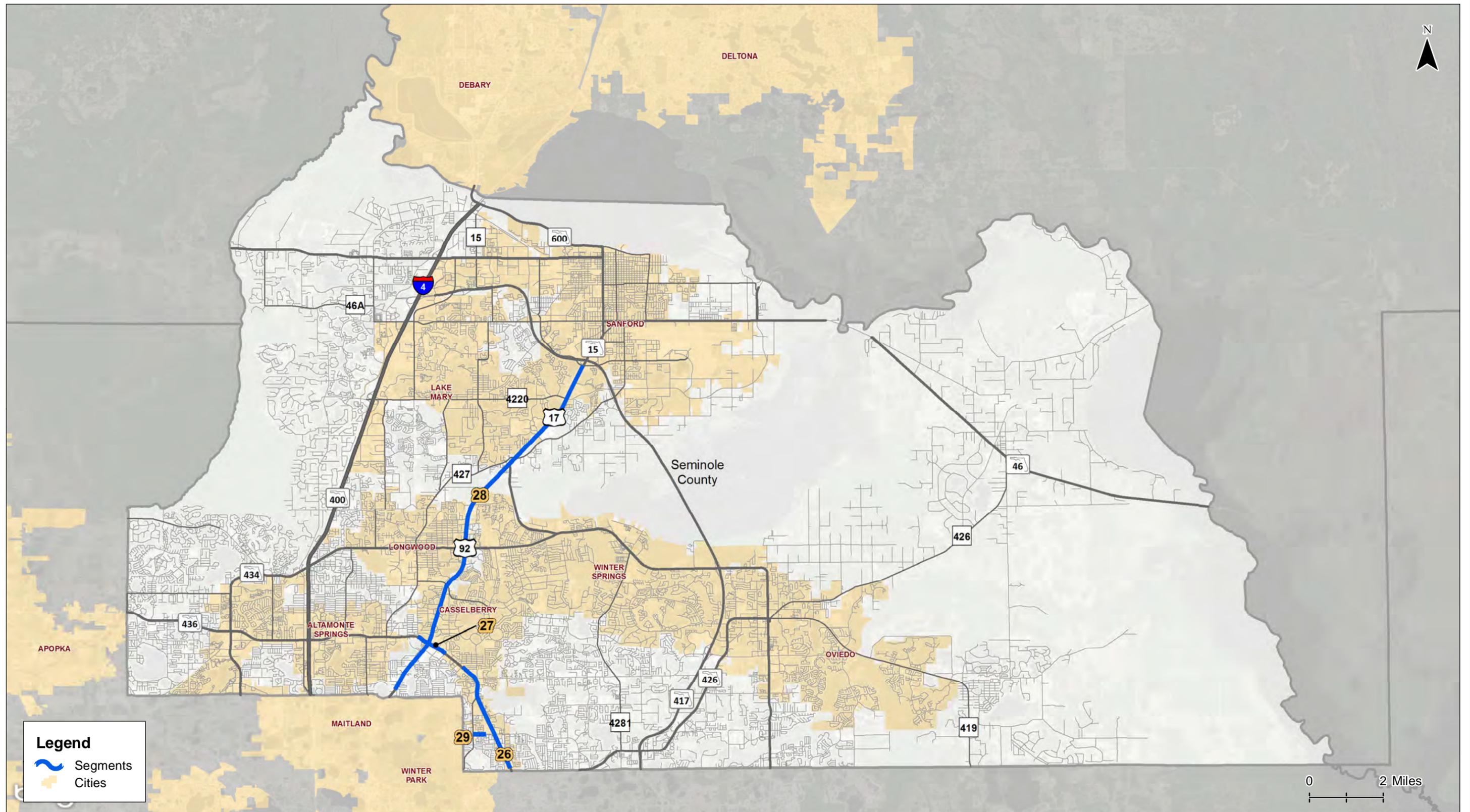


Osceola County Study Corridors

Figure 2

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H:\proj\117873 - MercoPlan GPCITask Order 11 - 2016 Travel Time and B-C Studies\GISBase Map.mxd - casburn - 3:07 PM 7/26/2016



Seminole County Study Corridors

Figure 3

# TRAVEL TIME EVALUATION

The project team conducted travel time studies along each corridor before and after the signal retiming implementation to assess the potential benefits in travel time savings of the retiming projects. This section describes the methodology used to collect and analyze the data, as well as the results of the evaluation.

## Data Collection Methodology

### BLUETOOTH™ DATA

The project team collected travel time data for the majority of the study corridors using Bluetooth™ equipment at each location before and after the signal retiming implementation. Bluetooth™ data collection involves anonymously tracking vehicles by reading MAC addresses that are broadcasted by Bluetooth™ devices. A time is recorded when the MAC address is read while the vehicle is in the vicinity of the Bluetooth™ reader. MAC address readers typically capture between three to ten percent of all passing vehicles depending on deployment location and can be used to provide valuable information for understanding and analyzing general travel pattern characteristics based on the sample of monitored vehicles. By recording a vehicle at multiple locations, two basic components can be derived. The first is travel time (e.g., time the subject vehicle took to travel from point to point) and the second is average travel speed, using the travel time and the known distance between the two collection points. The primary Bluetooth™ data collection device used in this study was BlueMAC ([www.mybluemac.com/](http://www.mybluemac.com/)). Seminole County's permanent BlueToad readers were used on three corridors in Seminole County, and travel time information for those corridors was obtained through Seminole County's BlueToad online application.

The data collection approach utilized BlueMAC readers to continuously collect corridor travel times over a minimum three-day period (typical weekdays are Tuesday, Wednesday, and Thursday) when school was in session. The BlueMAC readers were typically placed a minimum of 200 feet outside the study corridor limits, and beyond the right-turn or left-turn lane bays where present, in order to obtain the vehicle's information outside the influence of intersection queues. In some cases, an intermittent device was placed near a major intersection along the corridor to increase the number of travel time data points available on longer corridors, where travelers are less likely to make the entire trip from end to end. The data collection locations used in the before condition were identical to those used in the after condition of each corridor so that before and after travel times could be compared.

The travel time data was housed and processed using BlueMAC's online application, which allows weekday and time-of-day filters to be applied to the data. Additionally, maximum (or minimum) travel time filters can be applied to the data to exclude outliers from the average travel time calculations. An example of travel time outliers includes a motorist traveling the corridor that interrupts his trip to stop at a bank, fast food restaurant, or gas station – extending his travel time by several minutes (or longer). The full range of travel time data was reviewed by the project team for each corridor to set appropriate maximum filters to the travel time data. Similar travel time filters were used for before and after data for each corridor to avoid bias in the before and after comparisons.

### PROBE VEHICLE DATA

Three corridors run parallel to either SR 408 (a grade separated expressway) or the SunRail railroad tracks. Given the range of the BlueMAC devices, the devices would likely pick up travel times for passengers on SunRail and vehicles on the SR 408 expressway. Due to the potential data interference from nearby parallel facilities, travel times for these three corridors were collected using probe vehicles.

### DATA POINTS

For this study, MetroPlan Orlando set a target number of travel time collection points at 16 per peak period (7 to 9 AM, 4 to 6 PM) on each corridor. This was not an issue on most corridors, where tens and sometimes hundreds of data points were collected in each peak period. However, several relatively low-volume corridors initially yielded a low number of data points. These corridors include Landstar Boulevard (#8), Winter Garden Vineland Road (#9), and Thacker Avenue (#24). The following techniques were used to increase the data points to an acceptable level at those locations:

- Collect an additional week(s) of data; and
- Consider expanding the peak period range by up to 60 minutes.

Whenever expanding peak period filters was considered, the potential “new data points” were assessed for consistency with the baseline data points so that the average travel time for that period was not disproportionately impacted. Travel time data sheets for each corridor are provided in **Appendix A**.

## Corridor Travel Times

The AM and PM peak period corridor travel times and the change in average travel times associated with the retiming projects are summarized by direction in **Table 2**. Overall, the observations indicated that average travel times decreased after the signals were retimed on most corridors.

The change in average travel times (seconds per vehicle) was converted to a total travel time savings (vehicle-hours) by accounting for the peak hour traffic volumes on the corridors. The latest available peak hour traffic volumes were obtained for each corridor using a variety of sources including 2015 Florida Transportation Information (FTI) and data from Orange, Osceola, and Seminole Counties' traffic count programs. Where multiple traffic count stations existed within a corridor, the average peak hour volumes were calculated for use in this analysis. The existing traffic volumes are provided in **Appendix B**. The peak hour traffic volumes and the total travel time savings are summarized in **Table 3**.

***The corridor retiming projects provided travel time savings to the peak direction of traffic flow in 21 of the 29 (72 percent) corridors in the AM peak period, and 23 of the 29 (79 percent) corridors in the PM peak period. The corridor retiming projects provided a total travel time benefit over the AM and PM peak periods to 21 of the 29 corridors (72 percent).***

## Level of Service Calculation

The average travel times reported in **Table 2** and the corridor lengths were used to derive each corridor's average travel speeds in the AM and PM peak periods. For urban street facilities with a critical volume-to-capacity ratio less than 1.0, the Highway Capacity Manual (HCM) 2010 defines the Level of Service (LOS) as follows (*Exhibit 16-4*):

Travel Speed as a Percentage of Base Free-Flow Speed (%)	LOS
>85	A
>67-85	B
>50-67	C
>40-50	D
>30-40	E
≤30	F

The average travel speeds and LOS for each corridor in the AM and PM peak periods are summarized in **Table 4**. Five out of eleven corridors (45 percent) operating at LOS E in at least one direction before the signal retiming improved to LOS D or better after the retiming. An additional three out of eleven corridors experienced improvement from LOS E to LOS D or better on at least one direction.

**Table 2 : Corridor Average Travel Times – Before and After Conditions**

Corridor No.	Road	AM Peak Period Average Travel Times (sec/veh)						PM Peak Period Average Travel Times (sec/veh)					
		Northbound/Eastbound			Southbound/Westbound			Northbound/Eastbound			Southbound/Westbound		
		Before (b)	After (a)	Change (t = a - b)	Before (b)	After (a)	Change (t = a - b)	Before (b)	After (a)	Change (t = a - b)	Before (b)	After (a)	Change (t = a - b)
1	Apopka Vineland Rd	601.5	566.4	35.1	624.6	612.8	11.8	684.8	603.7	81.1	589.8	547.3	42.5
2	Dr. Phillips Blvd	320.6	279.2	41.4	288.2	282.8	5.4	322.8	295.9	26.9	303.1	303.9	(0.8)
3	Sand Lake Rd	78.7	89.8	(11.1)	88.4	73.5	14.9	82.0	85.3	(3.3)	116.4	110.8	5.6
4	John Young Pkwy <sup>2</sup>	1,104.8	1,122.5	(17.7)	1,115.4	1,182.0	(66.6)	1,577.0	1,361.5	215.5	1,740.3	1,451.8	288.5
5	Oak Ridge Rd	504.1	540.2	(36.1)	471.9	515.1	(43.2)	552.1	497.2	54.9	525.1	615.3	(90.2)
6	Orange Ave (CR 527)	614.7	528.8	85.9	522.0	483.8	38.2	556.3	566.4	(10.1)	781.1	586.9	194.2
7	Wetherbee Rd	155.1	143.5	11.6	155.3	131.5	23.8	134.8	147.8	(13.0)	144.4	137.3	7.1
8	Landstar Blvd	201.1	206.0	(4.9)	223.0	198.2	24.8	204.6	190.6	14.0	233.5	224.1	9.4
9	Winter Garden Vineland Rd (CR 535)	1,013.3	1,093.0	(79.7)	1,181.3	1,242.6	(61.3)	986.6	970.8	15.8	1,031.2	1,101.9	(70.7)
10	Universal Blvd	256.1	235.3	20.8	295.1	291.6	3.5	493.0	228.0	265.0	242.1	256.5	(14.4)
11	SR 435 (Kirkman Rd)	494.2	369.5	124.7	424.5	380.1	44.4	602.8	449.6	153.2	515.6	366.7	148.9
12	SR 15 E-W (South St / Anderson St)	163.0	286.0	(123.0)	238.0	186.0	52.0	286.0	254.0	32.0	237.0	245.0	(8.0)
13	SR 527 (N Orange Ave)	442.7	418.6	24.1	422.1	333.6	88.5	490.7	508.8	(18.1)	433.5	390.2	43.3
14	SR 527 (N Orange Ave)	273.0	268.0	5.0	341.0	403.0	(62.0)	414.0	361.0	53.0	412.0	448.0	(36.0)
15	Princeton St	241.2	96.7	144.5	203.4	102.5	100.9	229.3	121.7	107.6	188.3	104.5	83.8
16	Michigan St	445.1	332.5	112.6	354.0	375.9	(21.9)	459.1	411.6	47.5	378.9	296.9	82.0
17	Turkey Lake Rd	233.8	173.3	60.5	233.0	210.9	22.1	270.8	221.8	49.0	268.6	190.3	78.3
18	US 17-92	213.0	207.0	6.0	326.0	218.0	108.0	280.0	235.0	45.0	247.0	199.0	48.0
19	Howell Branch Rd	75.7	70.9	4.8	48.5	65.0	(16.5)	90.0	77.9	12.1	52.9	64.5	(11.6)
20	SR 426	847.1	783.8	63.3	903.6	813.8	89.8	1,517.3	1,178.1	339.2	1,019.9	850.6	169.3
21	John Young Pkwy	294.1	290.5	3.6	321.5	360.7	(39.2)	366.3	311.6	54.7	471.4	398.1	73.3
22	John Young Pkwy	485.5	665.9	(180.4)	405.9	336.2	69.7	488.3	951.7	(463.4)	935.8	702.8	233.0
23	Vine St / US 192	631.9	537.6	94.3	749.3	566.1	183.2	900.3	753.0	147.3	907.2	721.7	185.5
24	Thacker Ave <sup>3</sup>	623.6	533.2	90.4	569.9	403.9	166.0	796.9	691.1	105.8	535.8	464.9	70.9
25	US 441/ Main St / Emmett St	234.8	365.0	(130.2)	160.5	262.8	(102.3)	244.2	334.1	(89.9)	170.1	340.4	(170.3)
26	SR 436	218.3	226.0	(7.7)	284.7	212.3	72.4	260.7	238.3	22.4	282.1	243.5	38.6
27	SR 436	292.4	281.6	10.8	261.7	255.2	6.5	395.3	411.6	(16.3)	302.8	296.7	6.1
28	US 17-92	1,076.5	964.4	112.1	1,138.8	1,024.6	114.2	1,212.6	1,227.2	(14.6)	1,182.6	1,053.0	129.6
29	Howell Branch Rd	81.0	77.2	3.8	95.1	93.9	1.2	157.8	188.4	(30.6)	111.5	117.3	(5.8)

<sup>1</sup> Shading depicts peak direction within AM and PM peak hours

<sup>2</sup> John Young Parkway was under construction during the after travel time data collection

<sup>3</sup> Thacker Avenue after travel time data was collected when school was no longer in session

**Table 3 : Total Travel Time Savings**

Corridor No.	Road	AM Peak Hour						PM Peak Hour						Reduction in Total Travel Time over AM and PM peak hours (veh-hr) $(S_T = S_1 + S_2 + S_3 + S_4)$
		Northbound/Eastbound			Southbound/Westbound			Northbound/Eastbound			Southbound/Westbound			
		Peak Hr Volume $(v)$	$\Delta$ Travel Time (sec) $(t)$	Total Savings (veh-hr) $(S = v * t)$	Peak Hr Volume $(v)$	$\Delta$ Travel Time (sec) $(t)$	Total Savings (veh-hr) $(S = v * t)$	Peak Hr Volume $(v)$	$\Delta$ Travel Time (sec) $(t)$	Total Savings (veh-hr) $(S = v * t)$	Peak Hr Volume $(v)$	$\Delta$ Travel Time (sec) $(t)$	Total Savings (veh-hr) $(S = v * t)$	
1	Apopka Vineland Rd	935	35.1	9.1	1,359	11.8	4.5	1,515	81.1	34.1	992	42.5	11.7	59.4
2	Dr. Phillips Blvd	635	41.4	7.3	776	5.4	1.2	878	26.9	6.6	769	(0.8)	(0.2)	14.9
3	Sand Lake Rd	1,884	(11.1)	(5.8)	1,682	14.9	7.0	1,572	(3.3)	(1.4)	1,838	5.6	2.9	2.6
4	John Young Pkwy	2,197	(17.7)	(10.8)	1,743	(66.6)	(32.2)	1,941	215.5	116.2	2,224	288.5	178.2	251.3
5	Oak Ridge Rd	1,096	(36.1)	(11.0)	978	(43.2)	(11.7)	1,263	54.9	19.3	1,339	(90.2)	(33.6)	(37.0)
6	Orange Ave (CR 527)	1,501	85.9	35.8	908	38.2	9.6	1,015	(10.1)	(2.8)	1,622	194.2	87.5	130.1
7	Wetherbee Rd	661	11.6	2.1	789	23.8	5.2	994	(13.0)	(3.6)	837	7.1	1.7	5.4
8	Landstar Blvd	1,019	(4.9)	(1.4)	713	24.8	4.9	956	14.0	3.7	1,104	9.4	2.9	10.1
9	Winter Garden Vineland Rd (CR 535)	1,202	(79.7)	(26.6)	1,144	(61.3)	(19.5)	1,318	15.8	5.8	1,125	(70.7)	(22.1)	(62.4)
10	Universal Blvd	968	20.8	5.6	494	3.5	0.5	823	265.0	60.6	1,264	(14.4)	(5.1)	61.6
11	SR 435 (Kirkman Rd)	1,869	124.7	64.7	2,131	44.4	26.3	2,324	153.2	98.9	2,324	148.9	96.1	286.0
12	SR 15 E-W (South St / Anderson St)	1,099	(123.0)	(37.6)	606	52.0	8.8	678	32.0	6.0	1,245	(8.0)	(2.8)	(25.6)
13	SR 527 (N Orange Ave)	1,694	24.1	11.3	1,341	88.5	33.0	1,610	(18.1)	(8.1)	1,273	43.3	15.3	51.5
14	SR 527 (N Orange Ave)	548	5.0	0.8	701	(62.0)	(12.1)	786	53.0	11.6	783	(36.0)	(7.8)	(7.6)
15	Princeton St	931	144.5	37.4	617	100.9	17.3	807	107.6	24.1	906	83.8	21.1	99.8
16	Michigan St	842	112.6	26.4	1,204	(21.9)	(7.3)	1,302	47.5	17.2	759	82.0	17.3	53.5
17	Turkey Lake Rd	1,101	60.5	18.5	1,081	22.1	6.6	1,124	49.0	15.3	1,353	78.3	29.4	69.9
18	US 17-92	1,316	6.0	2.2	2,171	108.0	65.1	1,902	45.0	23.8	1,532	48.0	20.4	111.5
19	Howell Branch Rd	964	4.8	1.3	1,654	(16.5)	(7.6)	1,761	12.1	5.9	1,121	(11.6)	(3.6)	(4.0)
20	SR 426	1,309	63.3	23.0	1,575	89.8	39.3	1,538	339.2	144.9	1,354	169.3	63.7	270.8
21	John Young Pkwy	1,693	3.6	1.7	1,199	(39.2)	(13.1)	1,650	54.7	25.1	1,814	73.3	36.9	50.7
22	John Young Pkwy	1,474	(180.4)	(73.9)	1,218	69.7	23.6	1,506	(463.4)	(193.8)	1,633	233.0	105.7	(138.4)
23	Vine St / US 192	1,481	94.3	38.8	1,450	183.2	73.8	1,708	147.3	69.9	1,627	185.5	83.8	266.3
24	Thacker Ave	444	90.4	11.1	300	166	13.8	422	105.8	12.4	600	70.9	11.8	49.2
25	US 441/ Main St / Emmett St	1,223	(130.2)	(44.2)	873	(102.3)	(24.8)	1,356	(89.9)	(33.9)	1,102	(170.3)	(52.1)	(155.0)
26	SR 436	1,981	(7.7)	(4.2)	2,391	72.4	48.1	2,391	22.4	14.9	1,981	38.6	21.2	80.0
27	SR 436	2,989	10.8	9.0	2,068	6.5	3.7	2,068	(16.3)	(9.4)	2,989	6.1	5.1	8.4
28	US 17-92	1,745	112.1	54.3	1,985	114.2	63.0	1,985	(14.6)	(8.0)	1,745	129.6	62.8	172.1
29	Howell Branch Rd	910.0	3.8	1.0	1,557.0	1.2	0.5	1,557.0	(30.6)	(13.2)	910.0	(5.8)	(1.5)	(13.2)

**Table 4 : Average Travel Speed and LOS Summary**

Corridor No.	Road	Posted Speed (mph) <sup>1</sup>	AM Peak Period								PM Peak Period							
			Northbound/Eastbound				Southbound/Westbound				Northbound/Eastbound				Southbound/Westbound			
			Before		After		Before		After		Before		After		Before		After	
			Speed (mph)	LOS	Speed (mph)	LOS	Speed (mph)	LOS	Speed (mph)	LOS	Speed (mph)	LOS	Speed (mph)	LOS	Speed (mph)	LOS	Speed (mph)	LOS
1	Apopka Vineland Rd	35	36.3	A	38.6	A	35.0	A	35.6	A	31.9	A	36.2	A	37.0	A	39.9	A
2	Dr. Phillips Blvd	45	27.2	C	31.2	B	30.2	B	30.8	B	27.0	C	29.5	C	28.7	C	28.7	C
3	Sand Lake Rd	45	21.6	D	19.0	D	19.3	D	23.1	C	20.8	D	20.0	D	14.6	E	15.3	E
4	John Young Pkwy	50	29.4	C	28.9	C	29.1	C	27.5	C	20.6	D	23.8	D	18.6	E	22.4	D
5	Oak Ridge Rd	40	16.3	D	15.2	E	17.4	D	16.0	E	14.9	E	16.5	D	15.7	E	13.4	E
6	Orange Ave (CR 527)	43	29.8	B	34.7	B	35.1	B	37.9	A	33.0	B	32.4	B	23.5	C	31.2	B
7	Wetherbee Rd	40	31.8	B	34.4	A	31.7	B	37.5	A	36.6	A	33.4	B	34.1	A	35.9	A
8	Landstar Blvd	40	32.2	B	31.5	B	29.1	B	32.7	B	31.6	B	34.1	A	27.7	B	28.9	B
9	Winter Garden Vineland Rd (CR 535)	45	36.7	B	34.0	B	31.5	B	29.9	C	37.7	B	38.3	A	36.0	B	33.7	B
10	Universal Blvd	45	32.6	B	35.5	B	28.2	C	28.6	C	16.9	E	36.6	B	34.4	B	32.5	B
11	SR 435 (Kirkman Rd)	50	20.0	E	26.8	C	23.4	D	26.1	C	16.4	E	22.0	D	19.2	E	27.0	C
12W	SR 15 WB (South St)	35	--	--	--	--	24.2	B	31.0	B	20.5	--	--	--	--	B	23.5	C
12E	SR 15 EB (Anderson St)	38	36.1	A	20.5	C	--	--	--	--	20.5	C	23.1	C	--	--	--	--
13	SR 527 (N Orange Ave)	34	15.6	D	16.5	D	16.3	D	20.6	C	14.0	D	13.5	E	15.9	D	17.6	C
14	SR 527 (N Orange Ave)	30	21.5	B	21.2	B	18.2	C	15.4	C	14.2	D	16.7	C	15.0	D	13.8	D
15	Princeton St	25	10.7	D	26.7	A	12.7	C	25.1	A	11.2	D	21.2	B	13.7	C	24.7	A
16	Michigan St	40	14.4	E	19.3	D	18.1	D	17.0	D	13.9	E	15.6	E	16.9	D	21.5	C
17	Turkey Lake Rd	45	22.8	C	30.8	B	22.8	C	25.2	C	19.7	D	24.1	C	19.8	D	28.0	C
18	US 17-92	42	22.7	C	23.3	C	14.8	E	22.2	C	17.2	D	20.5	D	19.6	D	24.2	C
19	Howell Branch Rd	40	25.4	C	27.1	B	39.4	A	29.5	B	21.3	C	24.6	C	36.2	A	29.7	B
20	SR 426	34	20.4	C	22.0	C	19.1	C	21.2	C	11.4	E	14.7	D	16.9	C	20.3	C
21	John Young Pkwy	45	31.9	B	32.2	B	29.1	C	26.0	C	25.6	C	30.1	C	19.9	D	23.5	C
22	John Young Pkwy	34	19.7	C	14.1	D	23.6	B	28.0	B	19.6	C	11.1	E	10.2	E	13.4	E
23	Vine St / US 192	52	21.4	D	25.2	D	18.0	E	23.9	D	15.0	F	18.0	E	14.9	F	18.7	E
24	Thacker Ave	30	16.1	C	18.8	C	17.6	C	24.8	B	12.6	D	14.5	D	18.7	C	21.5	B
25	US 441/ Main St / Emmett St	40	18.2	D	11.7	F	26.6	C	16.3	D	17.5	D	12.8	E	25.1	C	12.6	E
26	SR 436	49	33.0	B	31.9	C	25.3	C	33.9	B	27.6	C	30.2	C	25.5	C	29.6	C
27	SR 436	41	25.8	C	26.8	C	28.9	B	29.6	B	19.1	D	18.4	D	25.0	C	25.5	C
28	US 17-92	47	33.1	B	37.0	B	31.3	C	34.8	B	29.4	C	29.0	C	30.1	C	33.8	B
29	Howell Branch Rd	35	25.4	B	26.8	B	21.6	C	21.8	C	13.1	E	11.0	E	18.4	C	17.5	D

<sup>1</sup>Corridors with multiple posted speed limits use a weighted average.

## BENEFIT-COST ANALYSIS

The project team assessed the travel time benefits and project costs to evaluate the overall benefit-cost of each corridor retiming project and of the corridor retiming program as a whole.

### Benefits

Several measures of effectiveness may be used to assess the benefits of the retiming projects, including average travel time delay savings (vehicle-hours), fuel consumption savings (gallons), and reduction in total number of vehicle stops. Travel time delay savings is the most prominent of these measures of effectiveness and is the only one directly measurable using Bluetooth™ equipment. The benefits are defined in terms of cost savings associated with reduction in travel time before and after the corridor retiming over the life of the project – assumed to be three years.

The daily travel time savings, including the AM and PM peak hours, were previously presented for each corridor in **Table 3**. These travel time savings are expected to be experienced daily on each corridor for approximately 300 days per year (estimated days with observable AM and PM peaking characteristics). The annual travel time savings (vehicle-hours) are translated into monetary benefits through unit costs obtained from the *2015 Urban Mobility Report* published by Texas A&M Transportation Institute (TTI). The monetary value of time is valued at \$17.67 per hour for Orlando’s metropolitan region.

The annual monetary benefits were converted to a present value monetary benefit assuming a three-year project life and an interest rate of four percent (*FDOT Plans Preparations Manual Vol. 1, Chapter 23*). The assumptions used regarding the monetary benefits estimation over the life of the project are summarized in **Table 5**.

**Table 5 : Monetary Benefit Assumptions**

MOE Values	Unit Value	Source
Delay	\$17.67 per hour	2015 Urban Mobility Report (TTI), Orlando region
Daily Benefit	2 hours	Calculated for one AM peak hour and one PM peak hour
Days per Year	300 days	Estimated days with AM & PM peaking characteristics
Project Life	3 years	Estimated life of project benefits
Interest Rate	4 percent	Plans Preparations Manual Vol. 1, Chapter 23

## Costs

The project costs for the corridor retiming projects were provided by FDOT. Most costs were provided on an individual corridor basis. However, some costs provided included multiple corridors, and the project team broke down those costs into the project's individual corridors by assessing the number of signals on the respective corridors. The project costs are present value costs and therefore needed no further adjustment.

## Benefit-Cost Ratio

The benefit-cost ratio is calculated for each corridor by dividing the present value user benefit of the improvement by the project cost. The benefit-cost ratio for each corridor retiming project is summarized in **Table 6**.

***The corridor retiming projects provided overall benefit-cost ratios in excess of one for 21 of the 29 corridors (72 percent), with benefit-cost ratios ranging from 3.2 to 93.1.***

Generally, corridors with high before travel times experience a greater benefit from signal retiming. The corridors with a negative benefit tended to have lower original travel times. This is consistent with previous MetroPlan retiming studies. A benefit-cost ratio was not calculated for the eight corridors experiencing an increase in travel time after the retiming project.

The corridor retiming program (including all 29 corridors) is estimated to have a total present value benefit of approximately \$24,450,000 over the next three years. The total cost of the program was approximately \$1,250,000.

**The benefit-cost ratio of the 2016 corridor retiming program was 19.6.**

**Table 6 : Benefit-Cost Summary**

Corridor No.	Road	Daily Travel Time Savings (veh-hr)	Benefit		Project Cost	B/C Ratio
			Annual	Present Value		
1	Apopka Vineland Rd	59.4	\$314,847	\$873,730	\$46,197	18.9
2	Dr. Phillips Blvd	14.9	\$78,756	\$218,555	\$20,758	10.5
3	Sand Lake Rd	2.6	\$13,627	\$37,817	\$10,379	3.6
4	John Young Pkwy	251.3	\$1,332,394	\$3,697,516	\$97,759	37.8
5	Oak Ridge Rd	(37.0)	(\$196,264)	(\$544,649)	\$22,891	-
6	Orange Ave (CR 527)	130.1	\$689,784	\$1,914,214	\$48,635	39.4
7	Wetherbee Rd	5.4	\$28,654	\$79,519	\$24,557	3.2
8	Landstar Blvd	10.1	\$53,684	\$148,979	\$37,257	4.0
9	Winter Garden Vineland Rd (CR 535)	(62.4)	(\$330,885)	(\$918,235)	\$50,320	-
10	Universal Blvd	61.6	\$326,562	\$906,240	\$27,557	32.9
11	SR 435 (Kirkman Rd)	286.0	\$1,516,047	\$4,207,168	\$53,036	79.3
12	SR 15 E-W (South St / Anderson St)	(25.6)	(\$135,467)	(\$375,934)	\$47,125	-
13	SR 527 (N Orange Ave)	51.5	\$273,064	\$757,778	\$42,830	17.7
14	SR 527 (N Orange Ave)	(7.6)	(\$40,179)	(\$111,501)	\$52,848	-
15	Princeton St	99.8	\$529,262	\$1,468,751	\$15,772	93.1
16	Michigan St	53.5	\$283,608	\$787,039	\$33,905	23.2
17	Turkey Lake Rd	69.9	\$370,363	\$1,027,790	\$35,260	29.2
18	US 17-92	111.5	\$591,110	\$1,640,383	\$34,613	47.4
19	Howell Branch Rd	(4.0)	(\$21,050)	(\$58,415)	\$17,262	-
20	SR 426	270.8	\$1,435,622	\$3,983,982	\$74,093	53.8
21	John Young Pkwy	50.7	\$268,512	\$745,144	\$29,076	25.6
22	John Young Pkwy	(138.4)	(\$733,892)	(\$2,036,616)	\$38,768	-
23	Vine St / US 192	266.3	\$1,411,732	\$3,917,684	\$49,343	79.4
24	Thacker Ave	49.2	\$260,698	\$723,461	\$31,613	22.9
25	US 441/ Main St / Emmett St	(155.0)	(\$821,828)	(\$2,280,648)	\$29,939	-
26	SR 436	80.0	\$423,871	\$1,176,282	\$71,215	16.5
27	SR 436	8.4	\$44,540	\$123,602	\$28,486	4.3
28	US 17-92	172.1	\$912,120	\$2,531,216	\$167,051	15.2
29	Howell Branch Rd	(13.2)	(\$70,085)	(\$194,492)	\$6,632	-
<b>TOTAL RETIMING PROGRAM</b>			<b>\$ 8,890,210</b>	<b>\$24,446,361</b>	<b>\$1,245,177</b>	<b>19.6</b>

## CONCLUSIONS

This evaluation concludes the MetroPlan Orlando annual signal retiming program is a valuable TSMO strategy and continued to yield positive results in FY 2015/16. Though a few corridors resulted in longer travel times after the signal retiming, the study indicated that the majority of the study corridors benefitted, with the benefits outweighing the program's overall costs. The following are key highlights of the before and after travel time study:

### Corridor Travel Times

- AM peak hour, peak direction travel time savings in 21 of the 29 (72 percent) corridors
- PM peak hour, peak direction travel time savings in 23 of the 29 (79 percent) corridors
- Total travel time benefit to 21 of the 29 corridors (72 percent)

### Benefit Cost Analysis

- Overall benefit-cost ratios in excess of one realized at 21 of the 29 corridors (72 percent)
  - Benefit-cost ratios ranging from 3.2 to 93.1
- The corridor retiming program (including all 29 corridors) is estimated to have a total present value benefit of approximately \$24,450,000 over the next three years. The total cost of the program was approximately \$1,250,000. The benefit-cost ratio of the total corridor retiming program this year was 19.6.

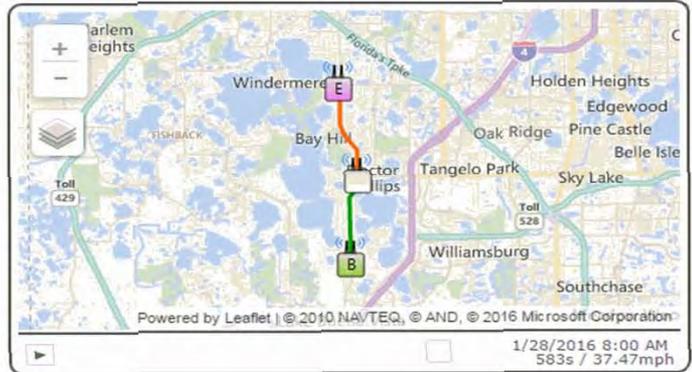
## Appendix A **Travel Time Data**

The following filter settings have been applied to this report.  
 Date Range: 1/25/2016 - 1/29/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 1A (QC10) to 1C (QC17)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>592 (9:52)</b>
Number of Trips:	<b>173</b>
Mean/Median Speed(mph):	<b>36.3 / 37.6</b>
Mean/Median Travel Time(s):	<b>601.5 (10:01) / 580.5 (9:40)</b>
Standard Deviation:	<b>50</b>
15th Percentile Travel Time(s):	<b>576 (9:36)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

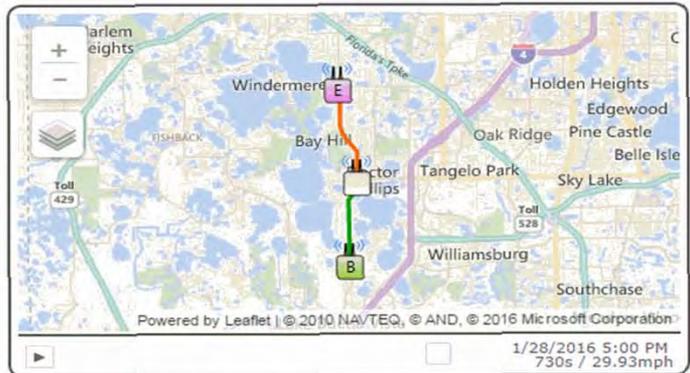


The following filter settings have been applied to this report.  
 Date Range: 1/25/2016 - 1/29/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 1A (QC10) to 1C (QC17)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>592 (9:52)</b>
Number of Trips:	<b>380</b>
Mean/Median Speed(mph):	<b>31.9 / 31.7</b>
Mean/Median Travel Time(s):	<b>684.8 (11:24) / 690 (11:30)</b>
Standard Deviation:	<b>69.3</b>
15th Percentile Travel Time(s):	<b>614 (10:14)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **1/25/2016 - 1/29/2016**

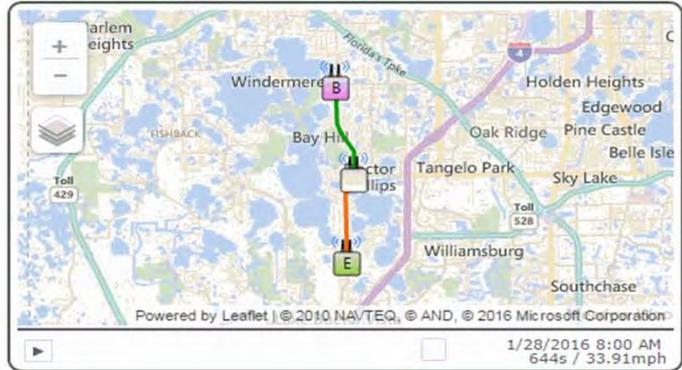
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 1C (QC17) to 1A (QC10)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>578 (9:38)</b>
Number of Trips:	<b>400</b>
Mean/Median Speed(mph):	<b>35 / 34.7</b>
Mean/Median Travel Time(s):	<b>624.6 (10:24) / 630.3 (10:30)</b>
Standard Deviation:	<b>23.3</b>
15th Percentile Travel Time(s):	<b>613.5 (10:13)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **1/25/2016 - 1/29/2016**

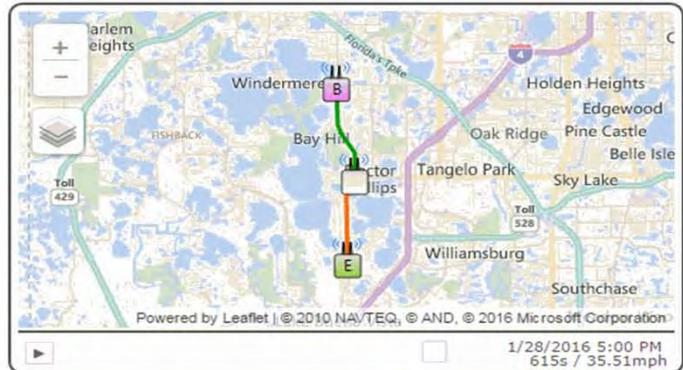
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 1C (QC17) to 1A (QC10)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>578 (9:38)</b>
Number of Trips:	<b>265</b>
Mean/Median Speed(mph):	<b>37 / 36.9</b>
Mean/Median Travel Time(s):	<b>589.8 (9:49) / 591.3 (9:51)</b>
Standard Deviation:	<b>23.7</b>
15th Percentile Travel Time(s):	<b>563.5 (9:23)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/11/2016 - 4/15/2016**

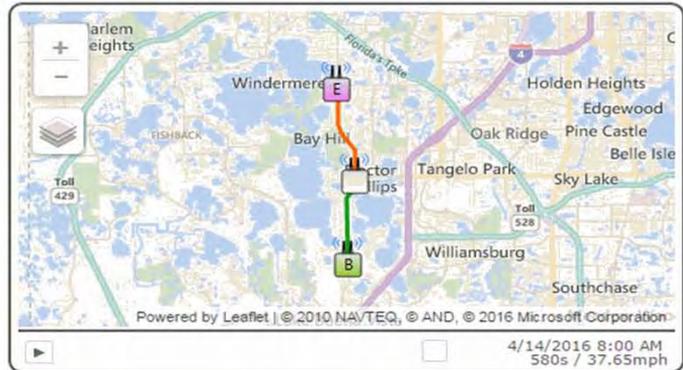
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 1A (QC18) to 1C (QC17)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>592 (9:52)</b>
Number of Trips:	<b>187</b>
Mean/Median Speed(mph):	<b>38.6 / 38.9</b>
Mean/Median Travel Time(s):	<b>566.4 (9:26) / 561 (9:21)</b>
Standard Deviation:	<b>24.4</b>
15th Percentile Travel Time(s):	<b>549 (9:09)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/11/2016 - 4/15/2016**

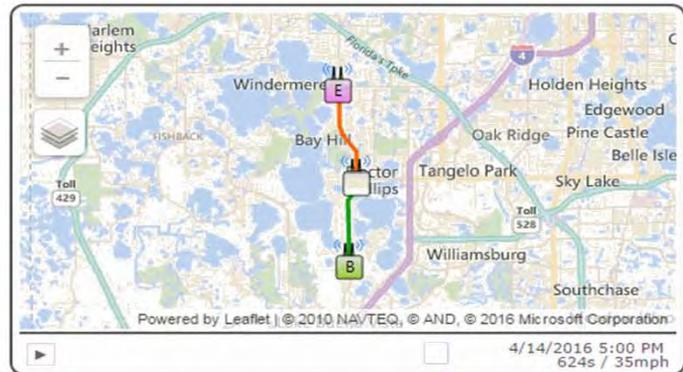
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 1A (QC18) to 1C (QC17)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>592 (9:52)</b>
Number of Trips:	<b>432</b>
Mean/Median Speed(mph):	<b>36.2 / 36.5</b>
Mean/Median Travel Time(s):	<b>603.7 (10:03) / 598.8 (9:58)</b>
Standard Deviation:	<b>18.9</b>
15th Percentile Travel Time(s):	<b>586 (9:46)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/11/2016 - 4/15/2016**

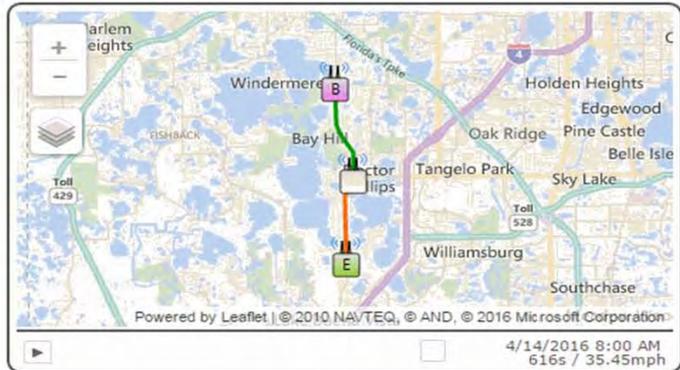
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 1C (QC17) to 1A (QC18)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>578 (9:38)</b>
Number of Trips:	<b>423</b>
Mean/Median Speed(mph):	<b>35.6 / 35.5</b>
Mean/Median Travel Time(s):	<b>612.8 (10:12) / 614.8 (10:14)</b>
Standard Deviation:	<b>26.5</b>
15th Percentile Travel Time(s):	<b>585.5 (9:45)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/11/2016 - 4/15/2016**

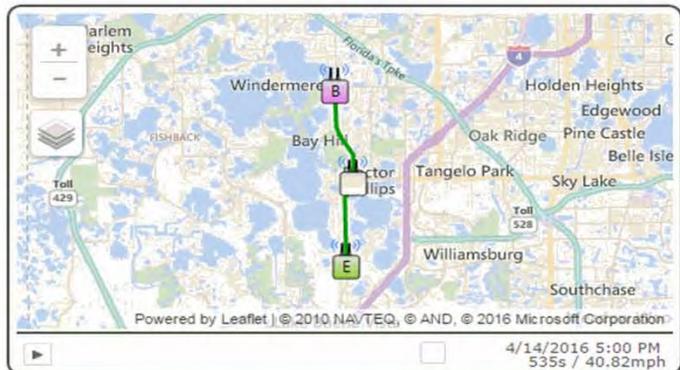
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 1C (QC17) to 1A (QC18)

Trip Distance(mi):	<b>6.07</b>
Expected Travel Time(s):	<b>578 (9:38)</b>
Number of Trips:	<b>257</b>
Mean/Median Speed(mph):	<b>39.9 / 40.5</b>
Mean/Median Travel Time(s):	<b>547.3 (9:07) / 539.8 (8:59)</b>
Standard Deviation:	<b>30.3</b>
15th Percentile Travel Time(s):	<b>534.5 (8:54)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 12/14/2015 - 12/18/2015

Time Range: 7:00 AM - 9:00 AM

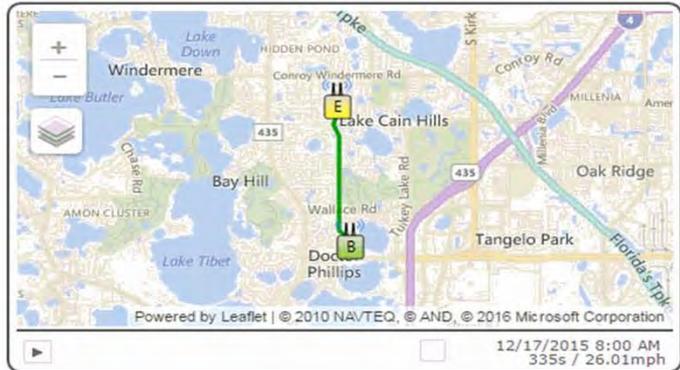
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 750s

## 2A (QC17) to 2B (QC08)

Trip Distance(mi):	2.42
Expected Travel Time(s):	261 (4:21)
Number of Trips:	14
Mean/Median Speed(mph):	27.2 / 29.5
Mean/Median Travel Time(s):	320.6 (5:20) / 295.5 (4:55)
Standard Deviation:	125.3
15th Percentile Travel Time(s):	200 (3:20)
85th Percentile Travel Time(s):	506 (8:26)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 12/14/2015 - 12/18/2015

Time Range: 4:00 PM - 6:00 PM

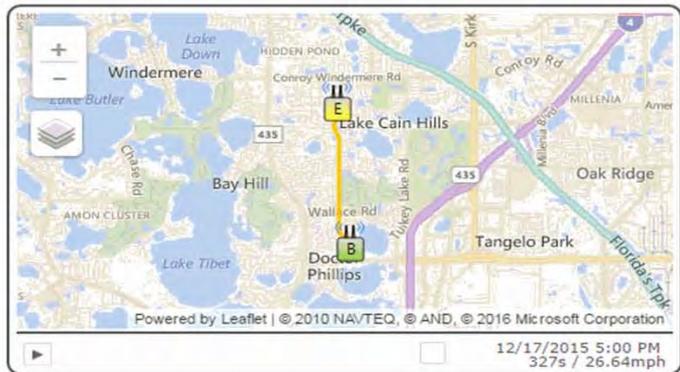
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 750s

## 2A (QC17) to 2B (QC08)

Trip Distance(mi):	2.42
Expected Travel Time(s):	261 (4:21)
Number of Trips:	60
Mean/Median Speed(mph):	27 / 28.9
Mean/Median Travel Time(s):	322.8 (5:22) / 301.5 (5:01)
Standard Deviation:	114.7
15th Percentile Travel Time(s):	233 (3:53)
85th Percentile Travel Time(s):	374 (6:14)
95th Percentile Travel Time(s):	642 (10:42)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

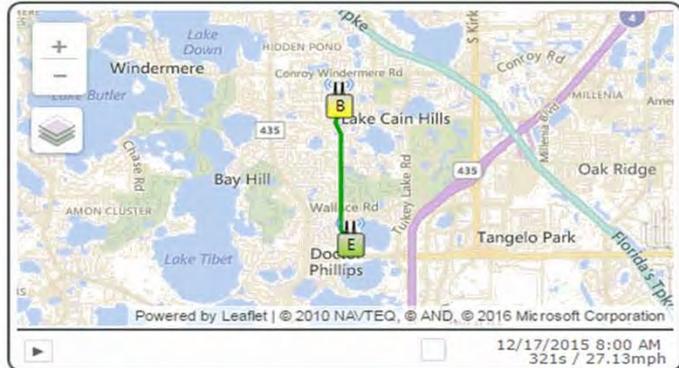


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 750s**

## 2B (QC08) to 2A (QC17)

Trip Distance(mi):	<b>2.42</b>
Expected Travel Time(s):	<b>261 (4:21)</b>
Number of Trips:	<b>39</b>
Mean/Median Speed(mph):	<b>30.2 / 31.8</b>
Mean/Median Travel Time(s):	<b>288.2 (4:48) / 274 (4:34)</b>
Standard Deviation:	<b>92.5</b>
15th Percentile Travel Time(s):	<b>198 (3:18)</b>
85th Percentile Travel Time(s):	<b>380 (6:20)</b>
95th Percentile Travel Time(s):	<b>536 (8:56)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

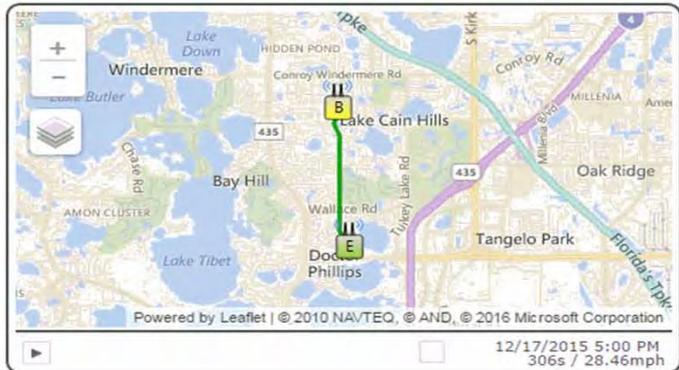


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 750s**

## 2B (QC08) to 2A (QC17)

Trip Distance(mi):	<b>2.42</b>
Expected Travel Time(s):	<b>261 (4:21)</b>
Number of Trips:	<b>59</b>
Mean/Median Speed(mph):	<b>28.7 / 29.1</b>
Mean/Median Travel Time(s):	<b>303.1 (5:03) / 299 (4:59)</b>
Standard Deviation:	<b>84.7</b>
15th Percentile Travel Time(s):	<b>220 (3:40)</b>
85th Percentile Travel Time(s):	<b>377 (6:17)</b>
95th Percentile Travel Time(s):	<b>491 (8:11)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

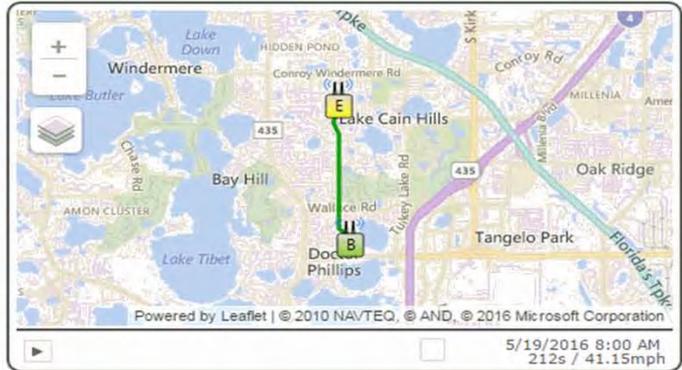


The following filter settings have been applied to this report.  
 Date Range: 5/16/2016 - 5/20/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 750s

## 2A (QC20) to 2B (QC18)

Trip Distance(mi):	2.42
Expected Travel Time(s):	262 (4:22)
Number of Trips:	15
Mean/Median Speed(mph):	31.2 / 35.6
Mean/Median Travel Time(s):	279.2 (4:39) / 245 (4:05)
Standard Deviation:	119.4
15th Percentile Travel Time(s):	209 (3:29)
85th Percentile Travel Time(s):	313 (5:13)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

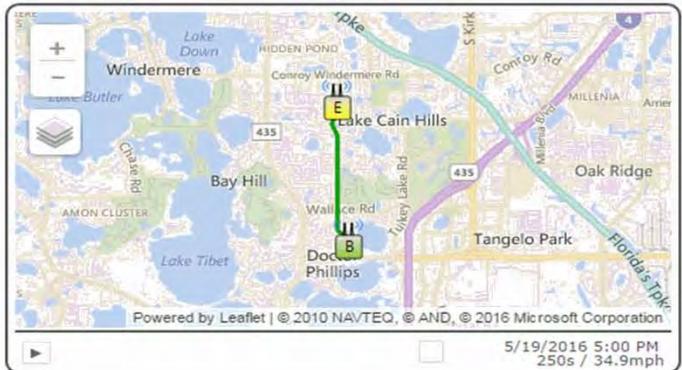


The following filter settings have been applied to this report.  
 Date Range: 5/16/2016 - 5/20/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 750s

## 2A (QC20) to 2B (QC18)

Trip Distance(mi):	2.42
Expected Travel Time(s):	262 (4:22)
Number of Trips:	43
Mean/Median Speed(mph):	29.5 / 31.2
Mean/Median Travel Time(s):	295.9 (4:55) / 280 (4:40)
Standard Deviation:	76.1
15th Percentile Travel Time(s):	220 (3:40)
85th Percentile Travel Time(s):	378 (6:18)
95th Percentile Travel Time(s):	415 (6:55)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/16/2016 - 5/20/2016

Time Range: 7:00 AM - 9:00 AM

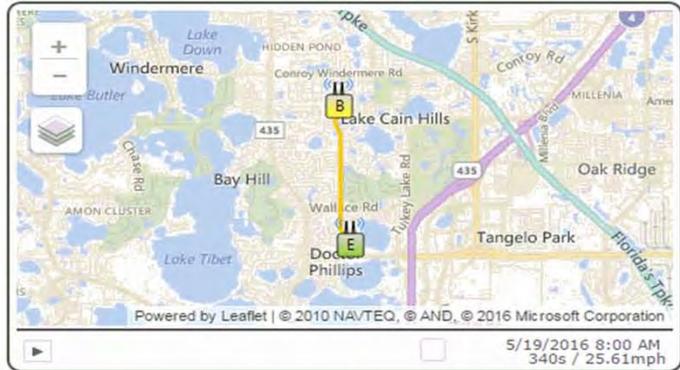
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 750s

## 2B (QC18) to 2A (QC20)

Trip Distance(mi):	2.42
Expected Travel Time(s):	261 (4:21)
Number of Trips:	36
Mean/Median Speed(mph):	30.8 / 34.3
Mean/Median Travel Time(s):	282.8 (4:42) / 253.5 (4:13)
Standard Deviation:	98.5
15th Percentile Travel Time(s):	198 (3:18)
85th Percentile Travel Time(s):	386 (6:26)
95th Percentile Travel Time(s):	523 (8:43)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/16/2016 - 5/20/2016

Time Range: 4:00 PM - 6:00 PM

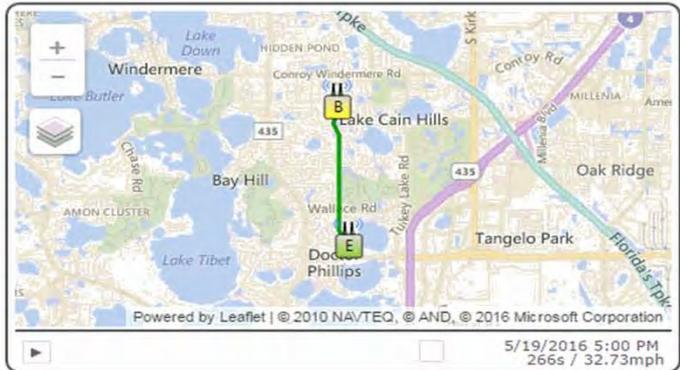
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 750s

## 2B (QC18) to 2A (QC20)

Trip Distance(mi):	2.42
Expected Travel Time(s):	261 (4:21)
Number of Trips:	43
Mean/Median Speed(mph):	28.7 / 30.2
Mean/Median Travel Time(s):	303.9 (5:03) / 288 (4:48)
Standard Deviation:	75.8
15th Percentile Travel Time(s):	236 (3:56)
85th Percentile Travel Time(s):	373 (6:13)
95th Percentile Travel Time(s):	464 (7:44)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/9/2016 - 2/12/2016

Time Range: 7:00 AM - 9:00 AM

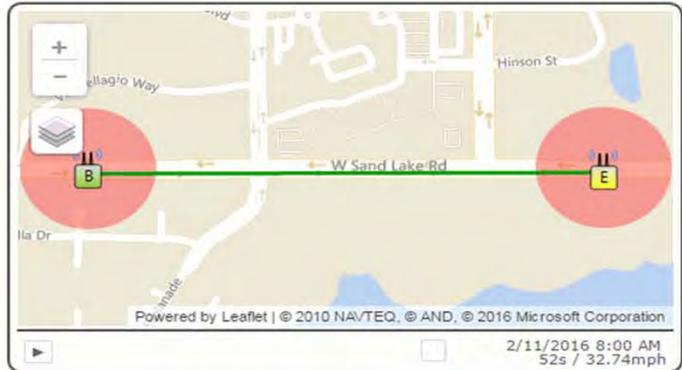
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

### 3A (QC16) to 3B (QC06)

Trip Distance(mi):	0.47
Expected Travel Time(s):	57
Number of Trips:	171
Mean/Median Speed(mph):	21.6 / 32.7
Mean/Median Travel Time(s):	78.7 (1:18) / 52
Standard Deviation:	72.9
15th Percentile Travel Time(s):	35
85th Percentile Travel Time(s):	114 (1:54)
95th Percentile Travel Time(s):	226 (3:46)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/9/2016 - 2/12/2016

Time Range: 4:00 PM - 6:00 PM

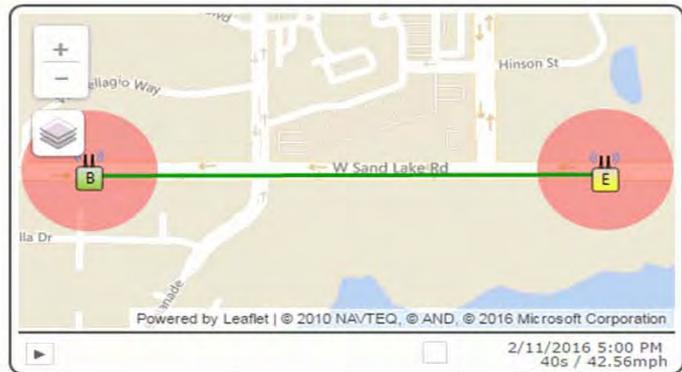
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

### 3A (QC16) to 3B (QC06)

Trip Distance(mi):	0.47
Expected Travel Time(s):	57
Number of Trips:	78
Mean/Median Speed(mph):	20.8 / 27.5
Mean/Median Travel Time(s):	82 (1:21) / 62 (1:02)
Standard Deviation:	59
15th Percentile Travel Time(s):	38
85th Percentile Travel Time(s):	119 (1:59)
95th Percentile Travel Time(s):	237 (3:57)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

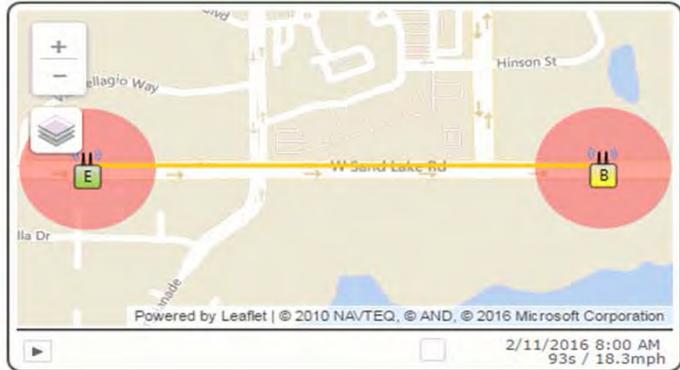


The following filter settings have been applied to this report.  
 Date Range: **2/9/2016 - 2/12/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 3B (QC06) to 3A (QC16)

Trip Distance(mi):	<b>0.47</b>
Expected Travel Time(s):	<b>67 (1:07)</b>
Number of Trips:	<b>95</b>
Mean/Median Speed(mph):	<b>19.3 / 21.3</b>
Mean/Median Travel Time(s):	<b>88.4 (1:28) / 80 (1:20)</b>
Standard Deviation:	<b>59.6</b>
15th Percentile Travel Time(s):	<b>49</b>
85th Percentile Travel Time(s):	<b>110 (1:50)</b>
95th Percentile Travel Time(s):	<b>184 (3:04)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

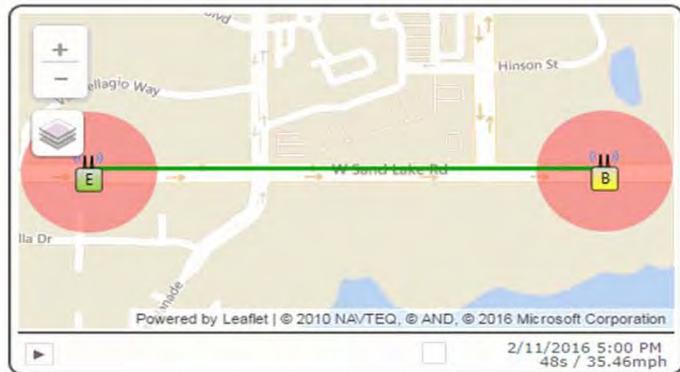


The following filter settings have been applied to this report.  
 Date Range: **2/9/2016 - 2/12/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 3B (QC06) to 3A (QC16)

Trip Distance(mi):	<b>0.47</b>
Expected Travel Time(s):	<b>67 (1:07)</b>
Number of Trips:	<b>100</b>
Mean/Median Speed(mph):	<b>14.6 / 15.5</b>
Mean/Median Travel Time(s):	<b>116.4 (1:56) / 110 (1:50)</b>
Standard Deviation:	<b>82.7</b>
15th Percentile Travel Time(s):	<b>43</b>
85th Percentile Travel Time(s):	<b>152 (2:32)</b>
95th Percentile Travel Time(s):	<b>296 (4:56)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **5/16/2016 - 5/20/2016**

Time Range: **7:00 AM - 9:00 AM**

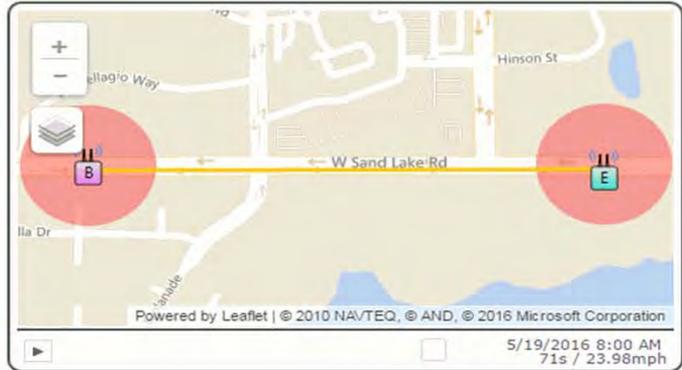
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 510s**

### 3A (QC03) to 3B (QC16)

Trip Distance(mi):	<b>0.47</b>
Expected Travel Time(s):	<b>57</b>
Number of Trips:	<b>328</b>
Mean/Median Speed(mph):	<b>19 / 22.1</b>
Mean/Median Travel Time(s):	<b>89.8 (1:29) / 77 (1:17)</b>
Standard Deviation:	<b>56.5</b>
15th Percentile Travel Time(s):	<b>46</b>
85th Percentile Travel Time(s):	<b>124 (2:04)</b>
95th Percentile Travel Time(s):	<b>182 (3:02)</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **5/16/2016 - 5/20/2016**

Time Range: **4:00 PM - 6:00 PM**

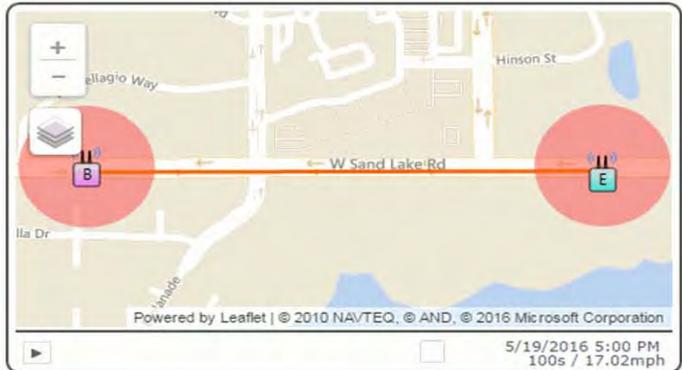
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 510s**

### 3A (QC03) to 3B (QC16)

Trip Distance(mi):	<b>0.47</b>
Expected Travel Time(s):	<b>57</b>
Number of Trips:	<b>232</b>
Mean/Median Speed(mph):	<b>20 / 26.4</b>
Mean/Median Travel Time(s):	<b>85.3 (1:25) / 64.5 (1:04)</b>
Standard Deviation:	<b>63.5</b>
15th Percentile Travel Time(s):	<b>44</b>
85th Percentile Travel Time(s):	<b>124 (2:04)</b>
95th Percentile Travel Time(s):	<b>151 (2:31)</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

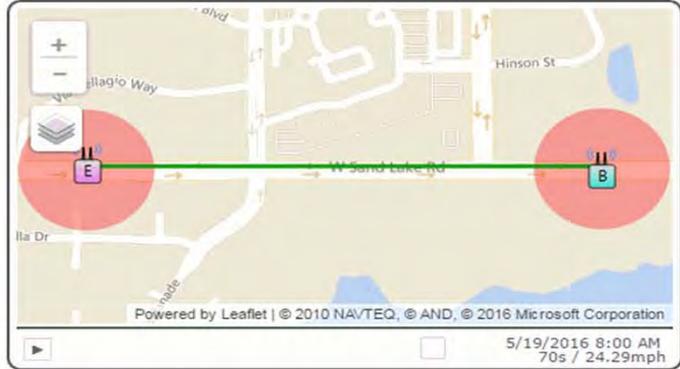


The following filter settings have been applied to this report.  
 Date Range: **5/16/2016 - 5/20/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 3B (QC16) to 3A (QC03)

Trip Distance(mi):	<b>0.47</b>
Expected Travel Time(s):	<b>67 (1:07)</b>
Number of Trips:	<b>151</b>
Mean/Median Speed(mph):	<b>23.1 / 30.9</b>
Mean/Median Travel Time(s):	<b>73.5 (1:13) / 55</b>
Standard Deviation:	<b>50.4</b>
15th Percentile Travel Time(s):	<b>39</b>
85th Percentile Travel Time(s):	<b>106 (1:46)</b>
95th Percentile Travel Time(s):	<b>130 (2:10)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

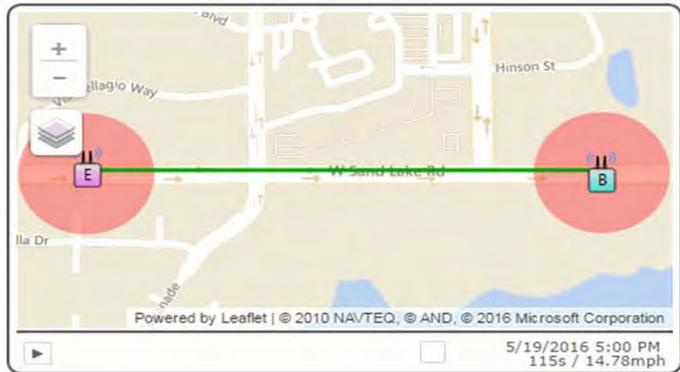


The following filter settings have been applied to this report.  
 Date Range: **5/16/2016 - 5/20/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 3B (QC16) to 3A (QC03)

Trip Distance(mi):	<b>0.47</b>
Expected Travel Time(s):	<b>67 (1:07)</b>
Number of Trips:	<b>204</b>
Mean/Median Speed(mph):	<b>15.3 / 14.5</b>
Mean/Median Travel Time(s):	<b>110.8 (1:50) / 117 (1:57)</b>
Standard Deviation:	<b>51.1</b>
15th Percentile Travel Time(s):	<b>55</b>
85th Percentile Travel Time(s):	<b>146 (2:26)</b>
95th Percentile Travel Time(s):	<b>167 (2:47)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

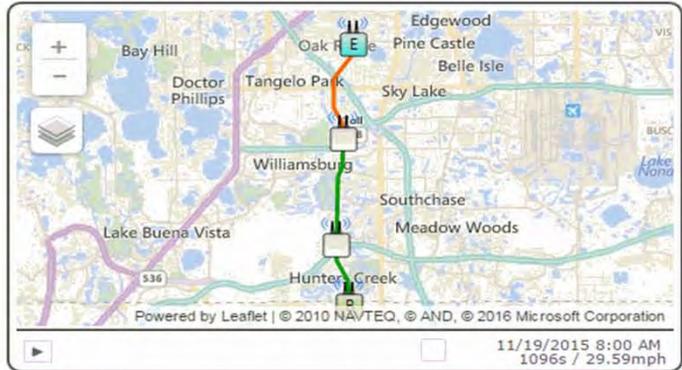


The following filter settings have been applied to this report.  
 Date Range: **11/17/2015 - 11/20/2015**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 4A/25B (DIGI46) to 4D (DIGI64)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>1000 (16:40)</b>
Number of Trips:	<b>667</b>
Mean/Median Speed(mph):	<b>29.4 / 29.3</b>
Mean/Median Travel Time(s):	<b>1104.8 (18:24) / 1108 (18:28)</b>
Standard Deviation:	<b>8.5</b>
15th Percentile Travel Time(s):	<b>1095.5 (18:15)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

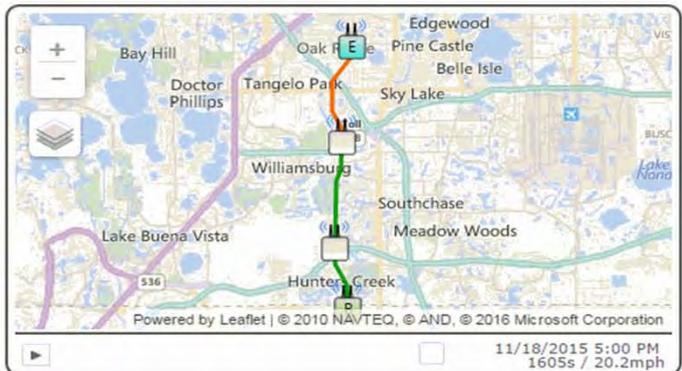


The following filter settings have been applied to this report.  
 Date Range: **11/17/2015 - 11/20/2015**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday**

### ROUTE - 4A/25B (DIGI46) to 4D (DIGI64)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>1000 (16:40)</b>
Number of Trips:	<b>350</b>
Mean/Median Speed(mph):	<b>20.6 / 20.5</b>
Mean/Median Travel Time(s):	<b>1577 (26:17) / 1585.8 (26:25)</b>
Standard Deviation:	<b>67.3</b>
15th Percentile Travel Time(s):	<b>1567 (26:07)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **11/17/2015 - 11/20/2015**

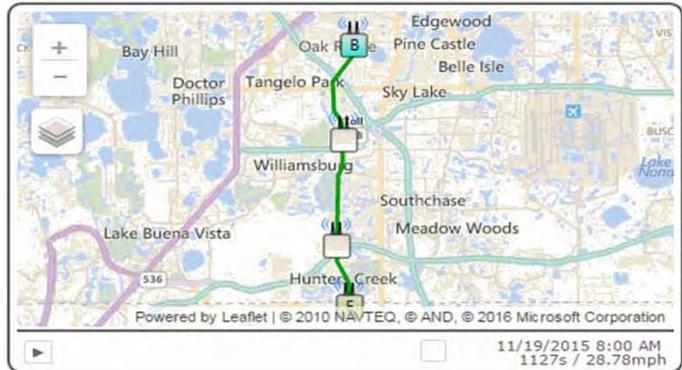
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 4D (DIGI64) to 4A/25B (DIGI46)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>937 (15:37)</b>
Number of Trips:	<b>344</b>
Mean/Median Speed(mph):	<b>29.1 / 28.9</b>
Mean/Median Travel Time(s):	<b>1115.4 (18:35) / 1123.8 (18:43)</b>
Standard Deviation:	<b>15.3</b>
15th Percentile Travel Time(s):	<b>1102 (18:22)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **11/17/2015 - 11/20/2015**

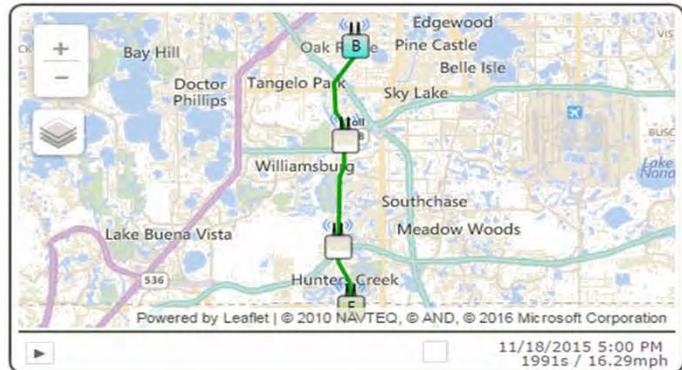
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday**

## ROUTE - 4D (DIGI64) to 4A/25B (DIGI46)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>937 (15:37)</b>
Number of Trips:	<b>501</b>
Mean/Median Speed(mph):	<b>18.6 / 18.6</b>
Mean/Median Travel Time(s):	<b>1740.3 (29:00) / 1746 (29:06)</b>
Standard Deviation:	<b>257.7</b>
15th Percentile Travel Time(s):	<b>1561.5 (26:01)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

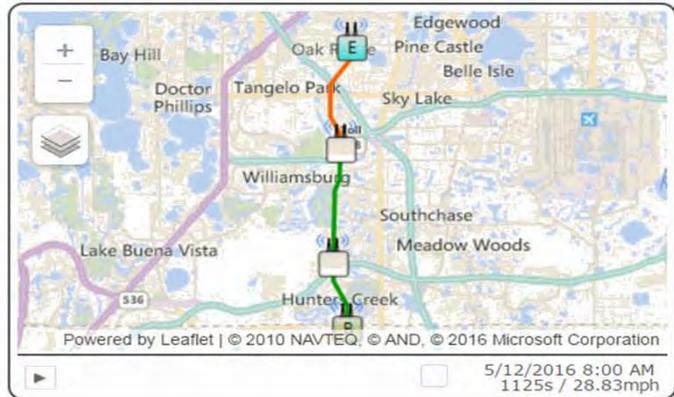
Date Range: **5/12/2016 - 5/12/2016**

Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Thursday**

## ROUTE - 4A (QC18) to 4D (QC16)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>1000 (16:40)</b>
Number of Trips:	<b>199</b>
Mean/Median Speed(mph):	<b>28.9 / 28.9</b>
Mean/Median Travel Time(s):	<b>1122.5 (18:42) / 1122.5 (18:42)</b>
Standard Deviation:	<b>3.5</b>
15th Percentile Travel Time(s):	<b>N/A</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>



The following filter settings have been applied to this report.

Date Range: **5/12/2016 - 5/12/2016**

Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Thursday**

## ROUTE - 4A (QC18) to 4D (QC16)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>1000 (16:40)</b>
Number of Trips:	<b>142</b>
Mean/Median Speed(mph):	<b>23.8 / 23.8</b>
Mean/Median Travel Time(s):	<b>1361.5 (22:41) / 1361.5 (22:41)</b>
Standard Deviation:	<b>114.6</b>
15th Percentile Travel Time(s):	<b>N/A</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>



The following filter settings have been applied to this report.

Date Range: **5/12/2016 - 5/12/2016**

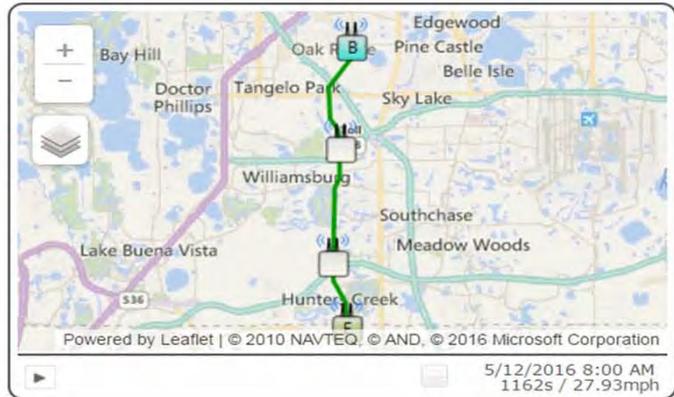
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Thursday**

## ROUTE - 4D (QC16) to 4A (QC18)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>937 (15:37)</b>
Number of Trips:	<b>123</b>
Mean/Median Speed(mph):	<b>27.5 / 27.5</b>
Mean/Median Travel Time(s):	<b>1182 (19:42) / 1182 (19:42)</b>
Standard Deviation:	<b>29</b>
15th Percentile Travel Time(s):	<b>N/A</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and



The following filter settings have been applied to this report.

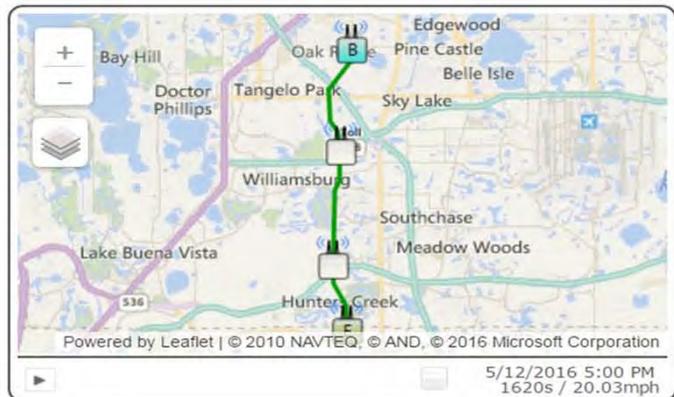
Date Range: **5/12/2016 - 5/12/2016**

Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Thursday**

## ROUTE - 4D (QC16) to 4A (QC18)

Trip Distance(mi):	<b>9.01</b>
Expected Travel Time(s):	<b>937 (15:37)</b>
Number of Trips:	<b>246</b>
Mean/Median Speed(mph):	<b>22.4 / 22.4</b>
Mean/Median Travel Time(s):	<b>1451.8 (24:11) / 1451.8 (24:11)</b>
Standard Deviation:	<b>237.2</b>
15th Percentile Travel Time(s):	<b>N/A</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

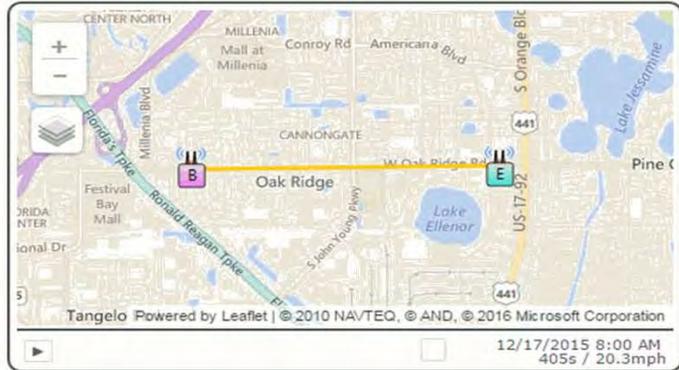


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1320s**

### 5A (QC12) to 5B (QC18)

Trip Distance(mi):	<b>2.28</b>
Expected Travel Time(s):	<b>295 (4:55)</b>
Number of Trips:	<b>19</b>
Mean/Median Speed(mph):	<b>16.3 / 19.6</b>
Mean/Median Travel Time(s):	<b>504.1 (8:24) / 419 (6:59)</b>
Standard Deviation:	<b>246.1</b>
15th Percentile Travel Time(s):	<b>357 (5:57)</b>
85th Percentile Travel Time(s):	<b>684 (11:24)</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

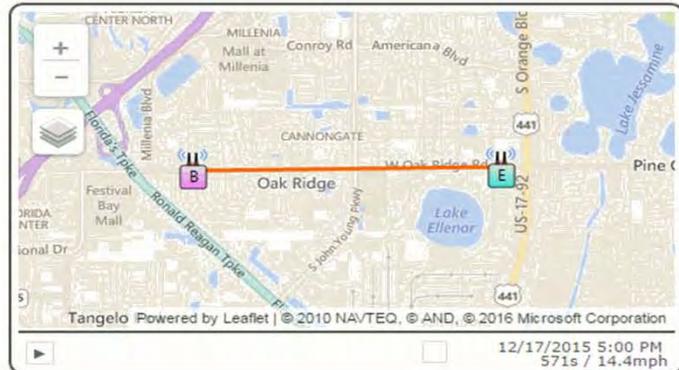


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1320s**

### 5A (QC12) to 5B (QC18)

Trip Distance(mi):	<b>2.28</b>
Expected Travel Time(s):	<b>295 (4:55)</b>
Number of Trips:	<b>55</b>
Mean/Median Speed(mph):	<b>14.9 / 15.9</b>
Mean/Median Travel Time(s):	<b>552.1 (9:12) / 518 (8:38)</b>
Standard Deviation:	<b>174.1</b>
15th Percentile Travel Time(s):	<b>391 (6:31)</b>
85th Percentile Travel Time(s):	<b>700 (11:40)</b>
95th Percentile Travel Time(s):	<b>887 (14:47)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **12/14/2015 - 12/18/2015**

Time Range: **7:00 AM - 9:00 AM**

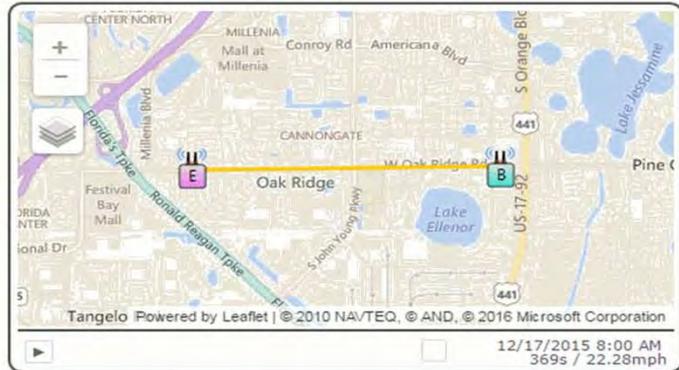
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1320s**

## 5B (QC18) to 5A (QC12)

Trip Distance(mi):	<b>2.28</b>
Expected Travel Time(s):	<b>297 (4:57)</b>
Number of Trips:	<b>27</b>
Mean/Median Speed(mph):	<b>17.4 / 19</b>
Mean/Median Travel Time(s):	<b>471.9 (7:51) / 432 (7:12)</b>
Standard Deviation:	<b>169.1</b>
15th Percentile Travel Time(s):	<b>355 (5:55)</b>
85th Percentile Travel Time(s):	<b>688 (11:28)</b>
95th Percentile Travel Time(s):	<b>777 (12:57)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **12/14/2015 - 12/18/2015**

Time Range: **4:00 PM - 6:00 PM**

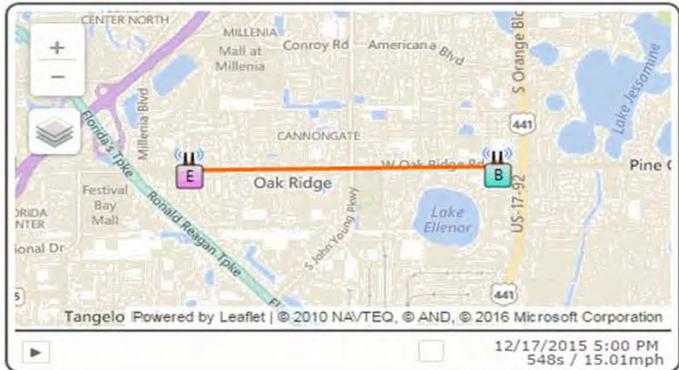
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1320s**

## 5B (QC18) to 5A (QC12)

Trip Distance(mi):	<b>2.28</b>
Expected Travel Time(s):	<b>297 (4:57)</b>
Number of Trips:	<b>50</b>
Mean/Median Speed(mph):	<b>15.7 / 17</b>
Mean/Median Travel Time(s):	<b>525.1 (8:45) / 484.5 (8:04)</b>
Standard Deviation:	<b>159.1</b>
15th Percentile Travel Time(s):	<b>404 (6:44)</b>
85th Percentile Travel Time(s):	<b>680 (11:20)</b>
95th Percentile Travel Time(s):	<b>851 (14:11)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **5/2/2016 - 5/6/2016**

Time Range: **7:00 AM - 9:00 AM**

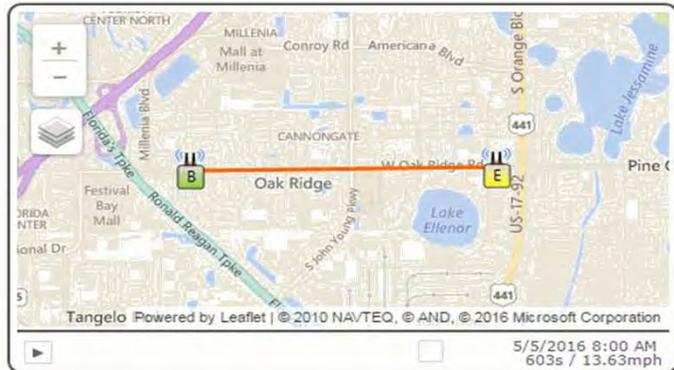
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1320s**

## 5A (QC17) to 5B (QC10)

Trip Distance(mi):	<b>2.28</b>
Expected Travel Time(s):	<b>295 (4:55)</b>
Number of Trips:	<b>37</b>
Mean/Median Speed(mph):	<b>15.2 / 21</b>
Mean/Median Travel Time(s):	<b>540.2 (9:00) / 392 (6:32)</b>
Standard Deviation:	<b>307.1</b>
15th Percentile Travel Time(s):	<b>311 (5:11)</b>
85th Percentile Travel Time(s):	<b>948 (15:48)</b>
95th Percentile Travel Time(s):	<b>1282 (21:22)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **5/2/2016 - 5/6/2016**

Time Range: **4:00 PM - 6:00 PM**

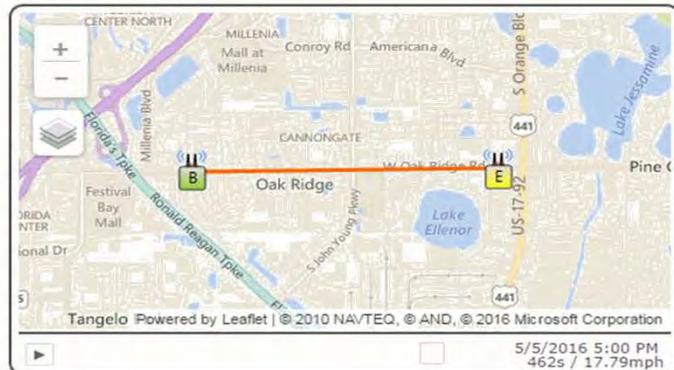
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1320s**

## 5A (QC17) to 5B (QC10)

Trip Distance(mi):	<b>2.28</b>
Expected Travel Time(s):	<b>295 (4:55)</b>
Number of Trips:	<b>88</b>
Mean/Median Speed(mph):	<b>16.5 / 20.2</b>
Mean/Median Travel Time(s):	<b>497.2 (8:17) / 407.5 (6:47)</b>
Standard Deviation:	<b>220.5</b>
15th Percentile Travel Time(s):	<b>318 (5:18)</b>
85th Percentile Travel Time(s):	<b>683 (11:23)</b>
95th Percentile Travel Time(s):	<b>987 (16:27)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/2/2016 - 5/6/2016

Time Range: 7:00 AM - 9:00 AM

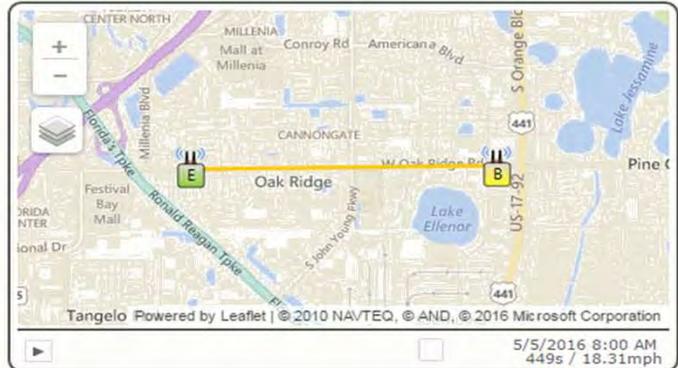
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1320s

## 5B (QC10) to 5A (QC17)

Trip Distance(mi):	2.28
Expected Travel Time(s):	297 (4:57)
Number of Trips:	53
Mean/Median Speed(mph):	16 / 18.2
Mean/Median Travel Time(s):	515.1 (8:35) / 451 (7:31)
Standard Deviation:	199
15th Percentile Travel Time(s):	353 (5:53)
85th Percentile Travel Time(s):	760 (12:40)
95th Percentile Travel Time(s):	942 (15:42)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/2/2016 - 5/6/2016

Time Range: 4:00 PM - 6:00 PM

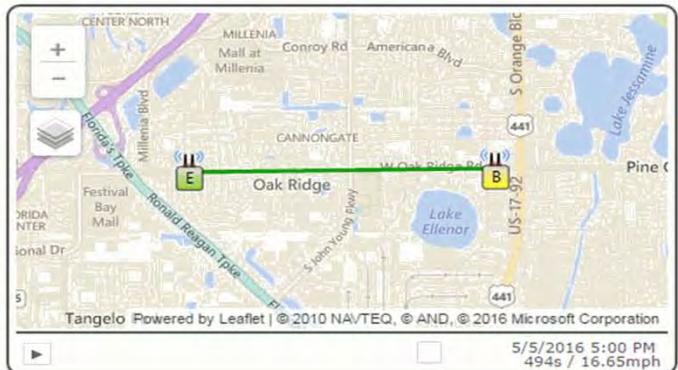
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1320s

## 5B (QC10) to 5A (QC17)

Trip Distance(mi):	2.28
Expected Travel Time(s):	297 (4:57)
Number of Trips:	61
Mean/Median Speed(mph):	13.4 / 15.4
Mean/Median Travel Time(s):	615.3 (10:15) / 535 (8:55)
Standard Deviation:	242.9
15th Percentile Travel Time(s):	389 (6:29)
85th Percentile Travel Time(s):	970 (16:10)
95th Percentile Travel Time(s):	1120 (18:40)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

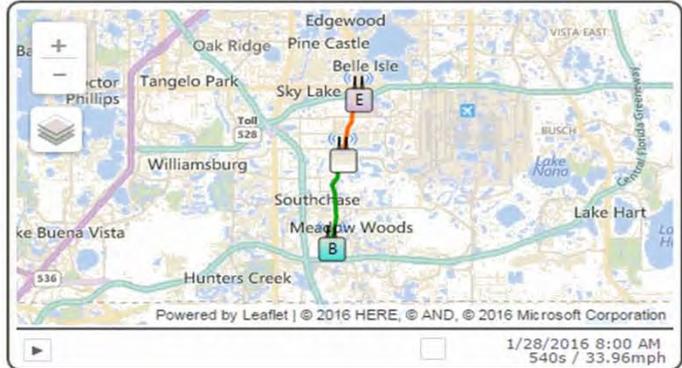


The following filter settings have been applied to this report.  
 Date Range: **1/25/2016 - 1/29/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 6A (QC12) to 6C (QC06)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>461 (7:41)</b>
Number of Trips:	<b>419</b>
Mean/Median Speed(mph):	<b>29.8 / 31.4</b>
Mean/Median Travel Time(s):	<b>614.7 (10:14) / 583.3 (9:43)</b>
Standard Deviation:	<b>81</b>
15th Percentile Travel Time(s):	<b>552.5 (9:12)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

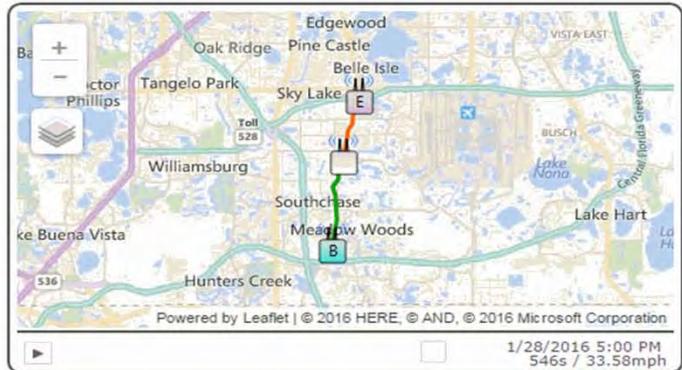


The following filter settings have been applied to this report.  
 Date Range: **1/25/2016 - 1/29/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 6A (QC12) to 6C (QC06)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>461 (7:41)</b>
Number of Trips:	<b>264</b>
Mean/Median Speed(mph):	<b>33 / 32.9</b>
Mean/Median Travel Time(s):	<b>556.3 (9:16) / 557.8 (9:17)</b>
Standard Deviation:	<b>25</b>
15th Percentile Travel Time(s):	<b>545.5 (9:05)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

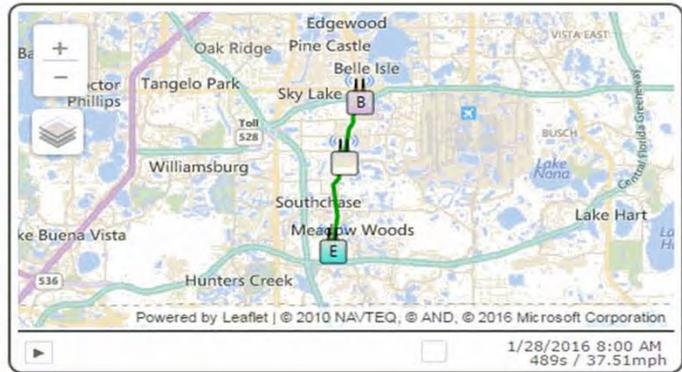


The following filter settings have been applied to this report.  
 Date Range: **1/25/2016 - 1/29/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 6C (QC06) to 6A (QC12)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>452 (7:32)</b>
Number of Trips:	<b>180</b>
Mean/Median Speed(mph):	<b>35.1 / 36.4</b>
Mean/Median Travel Time(s):	<b>522 (8:42) / 503.3 (8:23)</b>
Standard Deviation:	<b>44.2</b>
15th Percentile Travel Time(s):	<b>487 (8:07)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

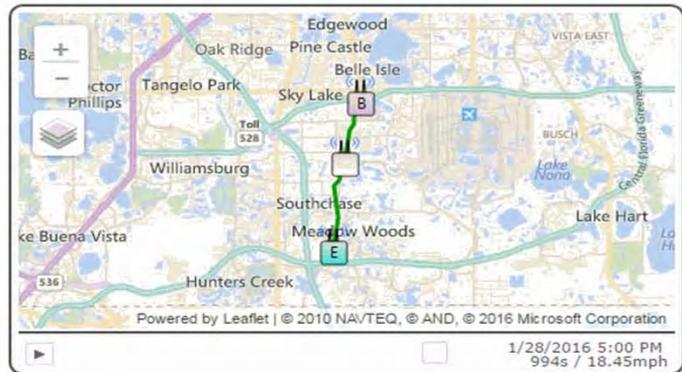


The following filter settings have been applied to this report.  
 Date Range: **1/25/2016 - 1/29/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 6C (QC06) to 6A (QC12)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>452 (7:32)</b>
Number of Trips:	<b>445</b>
Mean/Median Speed(mph):	<b>23.5 / 24.4</b>
Mean/Median Travel Time(s):	<b>781.1 (13:01) / 752.3 (12:32)</b>
Standard Deviation:	<b>159.9</b>
15th Percentile Travel Time(s):	<b>634.5 (10:34)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

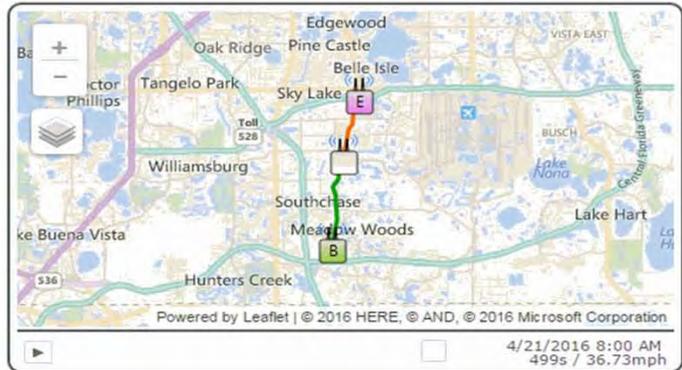
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 6A (QC16) to 6C (QC05)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>462 (7:42)</b>
Number of Trips:	<b>467</b>
Mean/Median Speed(mph):	<b>34.7 / 34.6</b>
Mean/Median Travel Time(s):	<b>528.8 (8:48) / 530 (8:50)</b>
Standard Deviation:	<b>21.8</b>
15th Percentile Travel Time(s):	<b>513 (8:33)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

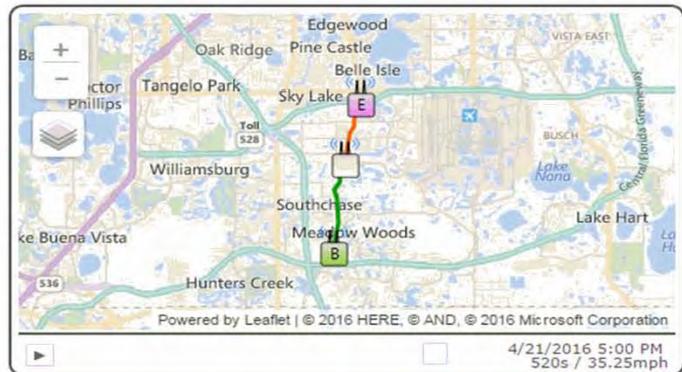
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 6A (QC16) to 6C (QC05)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>462 (7:42)</b>
Number of Trips:	<b>295</b>
Mean/Median Speed(mph):	<b>32.4 / 32.3</b>
Mean/Median Travel Time(s):	<b>566.4 (9:26) / 567.3 (9:27)</b>
Standard Deviation:	<b>35.9</b>
15th Percentile Travel Time(s):	<b>535.5 (8:55)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

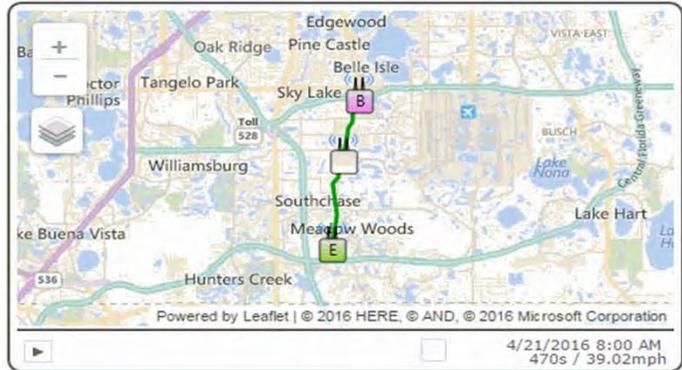


The following filter settings have been applied to this report.  
 Date Range: **4/18/2016 - 4/22/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 6C (QC05) to 6A (QC16)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>452 (7:32)</b>
Number of Trips:	<b>222</b>
Mean/Median Speed(mph):	<b>37.9 / 38.6</b>
Mean/Median Travel Time(s):	<b>483.8 (8:03) / 475 (7:55)</b>
Standard Deviation:	<b>19.8</b>
15th Percentile Travel Time(s):	<b>470 (7:50)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

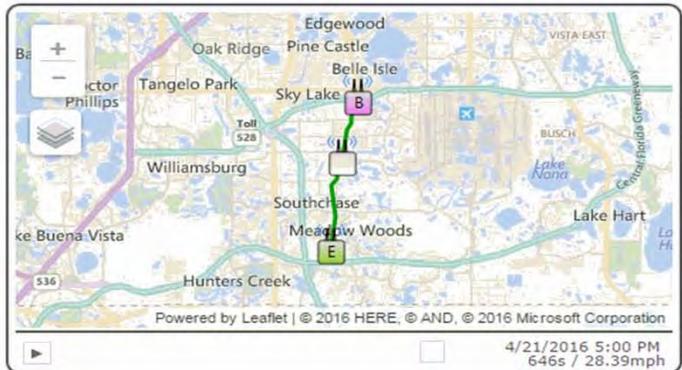


The following filter settings have been applied to this report.  
 Date Range: **4/18/2016 - 4/22/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 6C (QC05) to 6A (QC16)

Trip Distance(mi):	<b>5.09</b>
Expected Travel Time(s):	<b>452 (7:32)</b>
Number of Trips:	<b>505</b>
Mean/Median Speed(mph):	<b>31.2 / 32.2</b>
Mean/Median Travel Time(s):	<b>586.9 (9:46) / 569 (9:29)</b>
Standard Deviation:	<b>68.1</b>
15th Percentile Travel Time(s):	<b>526.5 (8:46)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **1/25/2016 - 1/29/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 300s**

## 7A (QC18) to 7B (QC03)

Trip Distance(mi):	<b>1.37</b>
Expected Travel Time(s):	<b>132 (2:12)</b>
Number of Trips:	<b>76</b>
Mean/Median Speed(mph):	<b>31.8 / 32.9</b>
Mean/Median Travel Time(s):	<b>155.1 (2:35) / 150 (2:30)</b>
Standard Deviation:	<b>28</b>
15th Percentile Travel Time(s):	<b>128 (2:08)</b>
85th Percentile Travel Time(s):	<b>189 (3:09)</b>
95th Percentile Travel Time(s):	<b>209 (3:29)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

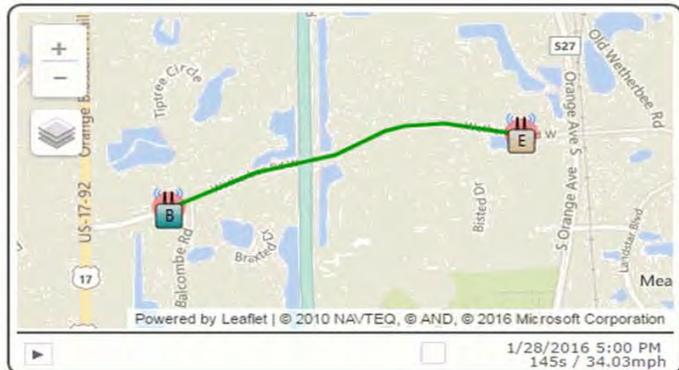


The following filter settings have been applied to this report.  
 Date Range: **1/25/2016 - 1/29/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 300s**

## 7A (QC18) to 7B (QC03)

Trip Distance(mi):	<b>1.37</b>
Expected Travel Time(s):	<b>132 (2:12)</b>
Number of Trips:	<b>111</b>
Mean/Median Speed(mph):	<b>36.6 / 37.7</b>
Mean/Median Travel Time(s):	<b>134.8 (2:14) / 131 (2:11)</b>
Standard Deviation:	<b>32.3</b>
15th Percentile Travel Time(s):	<b>104 (1:44)</b>
85th Percentile Travel Time(s):	<b>162 (2:42)</b>
95th Percentile Travel Time(s):	<b>201 (3:21)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 1/25/2016 - 1/29/2016

Time Range: 7:00 AM - 9:00 AM

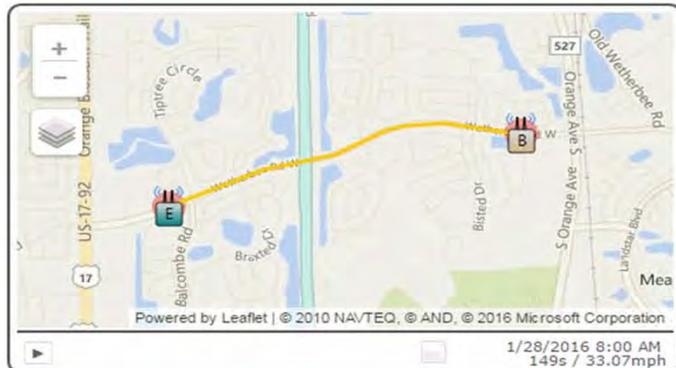
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 300s

## 7B (QC03) to 7A (QC18)

Trip Distance(mi):	1.37
Expected Travel Time(s):	124 (2:04)
Number of Trips:	125
Mean/Median Speed(mph):	31.7 / 33.5
Mean/Median Travel Time(s):	155.3 (2:35) / 147 (2:27)
Standard Deviation:	34
15th Percentile Travel Time(s):	125 (2:05)
85th Percentile Travel Time(s):	184 (3:04)
95th Percentile Travel Time(s):	215 (3:35)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 1/25/2016 - 1/29/2016

Time Range: 4:00 PM - 6:00 PM

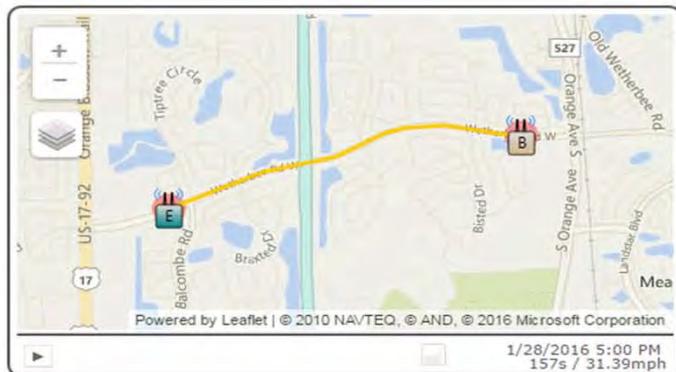
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 300s

## 7B (QC03) to 7A (QC18)

Trip Distance(mi):	1.37
Expected Travel Time(s):	124 (2:04)
Number of Trips:	126
Mean/Median Speed(mph):	34.1 / 35
Mean/Median Travel Time(s):	144.4 (2:24) / 141 (2:21)
Standard Deviation:	32.4
15th Percentile Travel Time(s):	113 (1:53)
85th Percentile Travel Time(s):	179 (2:59)
95th Percentile Travel Time(s):	199 (3:19)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **4/18/2016 - 4/22/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 300s**

## 7A (QC06) to 7B (QC07)

Trip Distance(mi):	1.37
Expected Travel Time(s):	132 (2:12)
Number of Trips:	88
Mean/Median Speed(mph):	34.4 / 34.2
Mean/Median Travel Time(s):	143.5 (2:23) / 144.5 (2:24)
Standard Deviation:	26.7
15th Percentile Travel Time(s):	114 (1:54)
85th Percentile Travel Time(s):	167 (2:47)
95th Percentile Travel Time(s):	192 (3:12)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **4/18/2016 - 4/22/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 300s**

## 7A (QC06) to 7B (QC07)

Trip Distance(mi):	1.37
Expected Travel Time(s):	132 (2:12)
Number of Trips:	148
Mean/Median Speed(mph):	33.4 / 34.5
Mean/Median Travel Time(s):	147.8 (2:27) / 143 (2:23)
Standard Deviation:	29.5
15th Percentile Travel Time(s):	121 (2:01)
85th Percentile Travel Time(s):	172 (2:52)
95th Percentile Travel Time(s):	202 (3:22)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 300s**

## 7B (QC07) to 7A (QC06)

Trip Distance(mi):	1.37
Expected Travel Time(s):	124 (2:04)
Number of Trips:	119
Mean/Median Speed(mph):	37.5 / 39.1
Mean/Median Travel Time(s):	131.5 (2:11) / 126 (2:06)
Standard Deviation:	27.1
15th Percentile Travel Time(s):	102 (1:42)
85th Percentile Travel Time(s):	164 (2:44)
95th Percentile Travel Time(s):	178 (2:58)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 300s**

## 7B (QC07) to 7A (QC06)

Trip Distance(mi):	1.37
Expected Travel Time(s):	124 (2:04)
Number of Trips:	159
Mean/Median Speed(mph):	35.9 / 36.8
Mean/Median Travel Time(s):	137.3 (2:17) / 134 (2:14)
Standard Deviation:	31.1
15th Percentile Travel Time(s):	109 (1:49)
85th Percentile Travel Time(s):	162 (2:42)
95th Percentile Travel Time(s):	184 (3:04)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

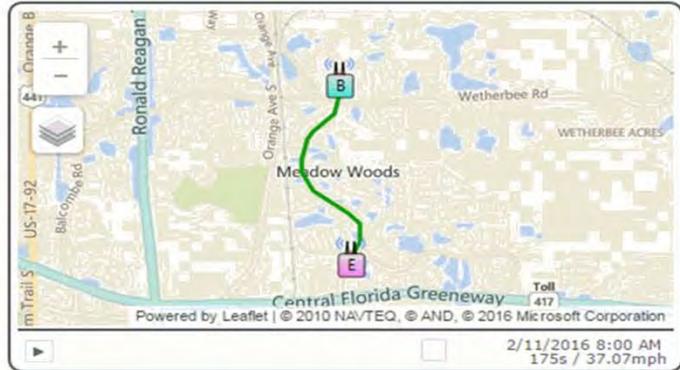


The following filter settings have been applied to this report.  
 Date Range: **2/9/2016 - 2/19/2016**  
 Time Range: **6:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 8B (QC13) to 8A (QC03)

Trip Distance(mi):	<b>1.8</b>
Expected Travel Time(s):	<b>231 (3:51)</b>
Number of Trips:	<b>21</b>
Mean/Median Speed(mph):	<b>31.4 / 30.3</b>
Mean/Median Travel Time(s):	<b>223 (3:43) / 214 (3:34)</b>
Standard Deviation:	<b>73.8</b>
15th Percentile Travel Time(s):	<b>160 (2:40)</b>
85th Percentile Travel Time(s):	<b>263 (4:23)</b>
95th Percentile Travel Time(s):	<b>388 (6:28)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

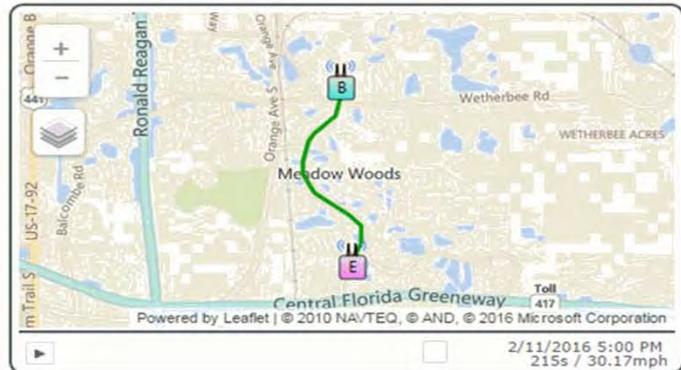


The following filter settings have been applied to this report.  
 Date Range: **2/9/2016 - 2/19/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 8B (QC13) to 8A (QC03)

Trip Distance(mi):	<b>1.8</b>
Expected Travel Time(s):	<b>231 (3:51)</b>
Number of Trips:	<b>21</b>
Mean/Median Speed(mph):	<b>31.4 / 30.3</b>
Mean/Median Travel Time(s):	<b>223 (3:43) / 214 (3:34)</b>
Standard Deviation:	<b>73.8</b>
15th Percentile Travel Time(s):	<b>160 (2:40)</b>
85th Percentile Travel Time(s):	<b>263 (4:23)</b>
95th Percentile Travel Time(s):	<b>388 (6:28)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

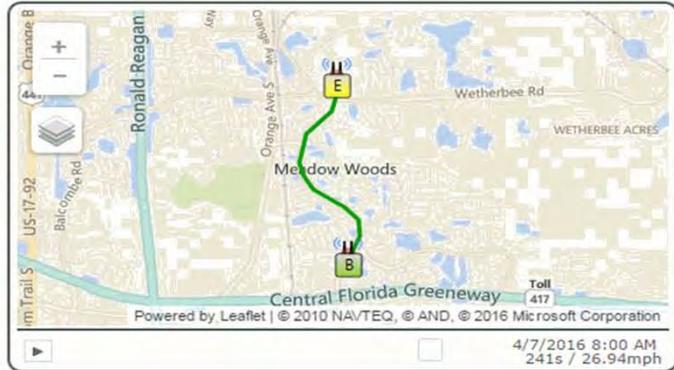


The following filter settings have been applied to this report.  
 Date Range: **3/28/2016 - 4/8/2016**  
 Time Range: **6:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 8A (QC05) to 8B (QC06)

Trip Distance(mi):	<b>1.8</b>
Expected Travel Time(s):	<b>223 (3:43)</b>
Number of Trips:	<b>68</b>
Mean/Median Speed(mph):	<b>31.5 / 34.9</b>
Mean/Median Travel Time(s):	<b>206 (3:26) / 186 (3:06)</b>
Standard Deviation:	<b>64.4</b>
15th Percentile Travel Time(s):	<b>161 (2:41)</b>
85th Percentile Travel Time(s):	<b>253 (4:13)</b>
95th Percentile Travel Time(s):	<b>286 (4:46)</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

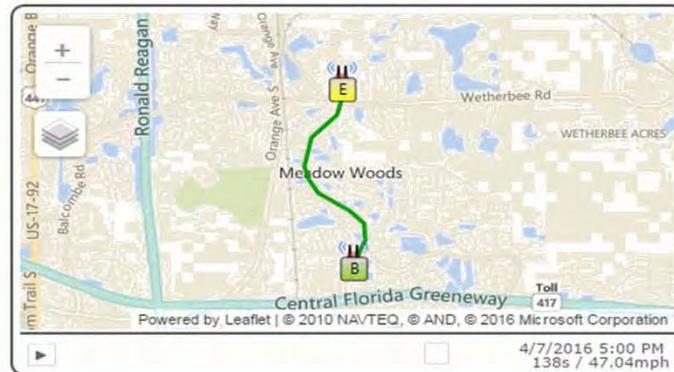


The following filter settings have been applied to this report.  
 Date Range: **3/28/2016 - 4/8/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 8A (QC05) to 8B (QC06)

Trip Distance(mi):	<b>1.8</b>
Expected Travel Time(s):	<b>223 (3:43)</b>
Number of Trips:	<b>33</b>
Mean/Median Speed(mph):	<b>34.1 / 35.3</b>
Mean/Median Travel Time(s):	<b>190.6 (3:10) / 184 (3:04)</b>
Standard Deviation:	<b>43.1</b>
15th Percentile Travel Time(s):	<b>159 (2:39)</b>
85th Percentile Travel Time(s):	<b>236 (3:56)</b>
95th Percentile Travel Time(s):	<b>251 (4:11)</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/9/2016 - 2/19/2016

Time Range: 6:00 AM - 9:00 AM

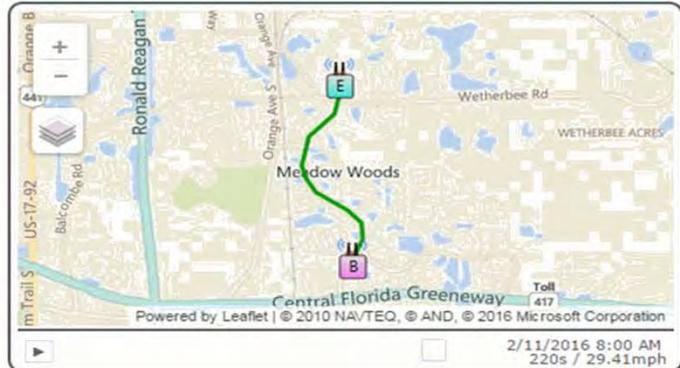
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

## 8A (QC03) to 8B (QC13)

Trip Distance(mi):	1.8
Expected Travel Time(s):	223 (3:43)
Number of Trips:	45
Mean/Median Speed(mph):	33.9 / 33.7
Mean/Median Travel Time(s):	201.1 (3:21) / 192 (3:12)
Standard Deviation:	53.9
15th Percentile Travel Time(s):	160 (2:40)
85th Percentile Travel Time(s):	228 (3:48)
95th Percentile Travel Time(s):	271.2 (4:31)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/9/2016 - 2/19/2016

Time Range: 4:00 PM - 6:00 PM

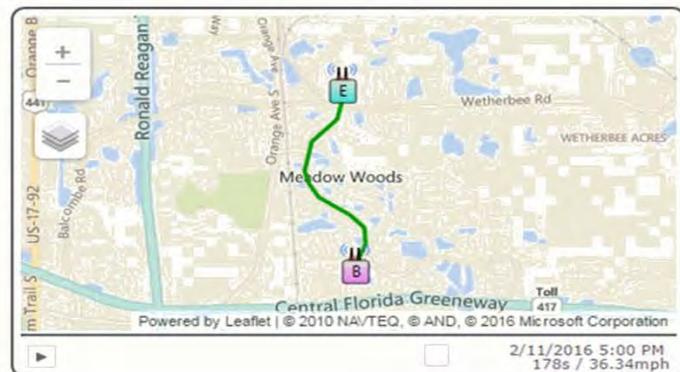
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

## 8A (QC03) to 8B (QC13)

Trip Distance(mi):	1.8
Expected Travel Time(s):	223 (3:43)
Number of Trips:	40
Mean/Median Speed(mph):	33.8 / 35.4
Mean/Median Travel Time(s):	204.6 (3:25) / 183 (3:03)
Standard Deviation:	66
15th Percentile Travel Time(s):	163 (2:43)
85th Percentile Travel Time(s):	237 (3:57)
95th Percentile Travel Time(s):	285 (4:45)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/28/2016 - 4/8/2016

Time Range: 6:00 AM - 9:00 AM

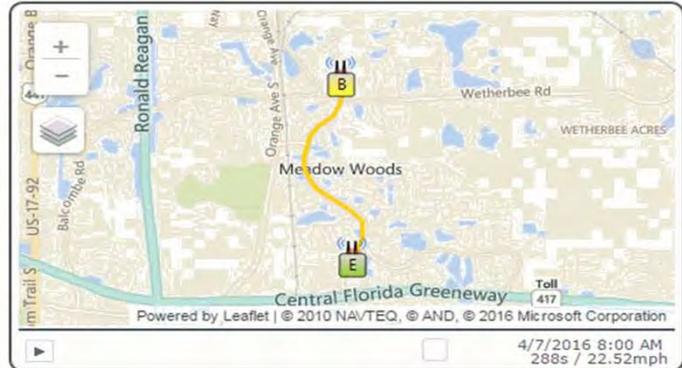
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

## 8B (QC06) to 8A (QC05)

Trip Distance(mi):	1.8
Expected Travel Time(s):	230 (3:50)
Number of Trips:	55
Mean/Median Speed(mph):	32.7 / 35.1
Mean/Median Travel Time(s):	198.2 (3:18) / 185 (3:05)
Standard Deviation:	45.8
15th Percentile Travel Time(s):	159 (2:39)
85th Percentile Travel Time(s):	241 (4:01)
95th Percentile Travel Time(s):	288 (4:48)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/28/2016 - 4/8/2016

Time Range: 4:00 PM - 6:00 PM

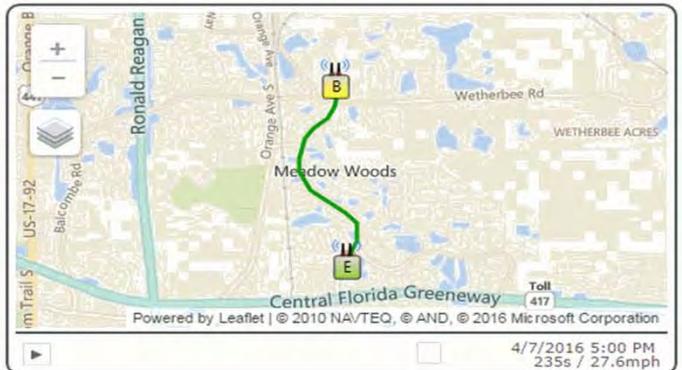
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

## 8B (QC06) to 8A (QC05)

Trip Distance(mi):	1.8
Expected Travel Time(s):	230 (3:50)
Number of Trips:	43
Mean/Median Speed(mph):	28.9 / 30
Mean/Median Travel Time(s):	224.1 (3:44) / 216 (3:36)
Standard Deviation:	53.4
15th Percentile Travel Time(s):	182 (3:02)
85th Percentile Travel Time(s):	273 (4:33)
95th Percentile Travel Time(s):	333 (5:33)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

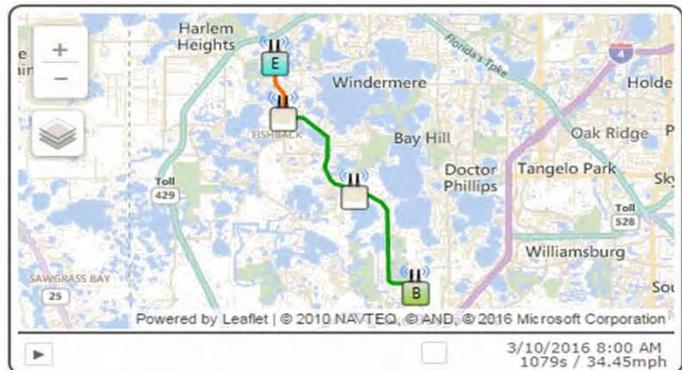
Time Range: 7:00 AM - 9:00 AM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 9A (QC16) to 9D (QC18)

Trip Distance(mi):	10.32
Expected Travel Time(s):	861 (14:21)
Number of Trips:	421
Mean/Median Speed(mph):	36.7 / 37.1
Mean/Median Travel Time(s):	1013.3 (16:53) / 1002 (16:42)
Standard Deviation:	82.8
15th Percentile Travel Time(s):	939 (15:39)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

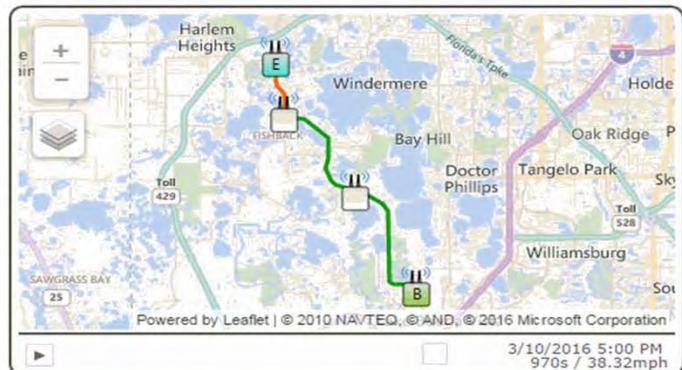
Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 9A (QC16) to 9D (QC18)

Trip Distance(mi):	10.32
Expected Travel Time(s):	861 (14:21)
Number of Trips:	592
Mean/Median Speed(mph):	37.7 / 37.9
Mean/Median Travel Time(s):	986.6 (16:26) / 980.3 (16:20)
Standard Deviation:	26
15th Percentile Travel Time(s):	969.5 (16:09)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

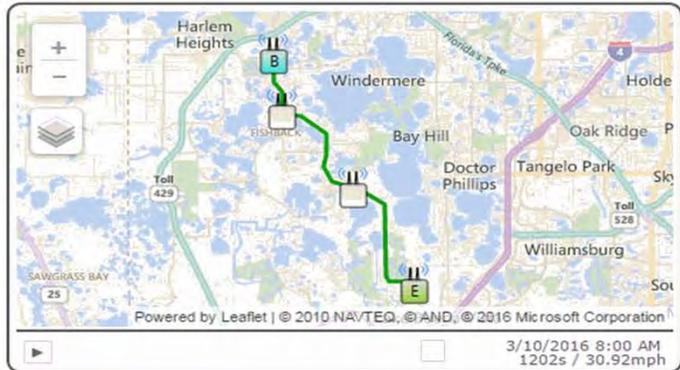
Time Range: 7:00 AM - 9:00 AM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 9D (QC18) to 9A (QC16)

Trip Distance(mi):	10.32
Expected Travel Time(s):	887 (14:47)
Number of Trips:	694
Mean/Median Speed(mph):	31.5 / 31.5
Mean/Median Travel Time(s):	1181.3 (19:41) / 1179.3 (19:39)
Standard Deviation:	95.1
15th Percentile Travel Time(s):	1087 (18:07)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

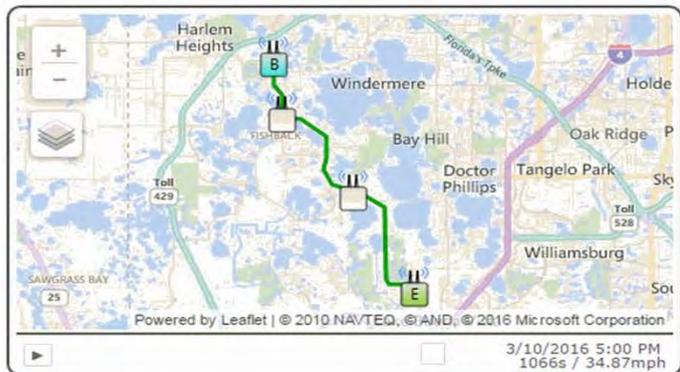
Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 9D (QC18) to 9A (QC16)

Trip Distance(mi):	10.32
Expected Travel Time(s):	887 (14:47)
Number of Trips:	464
Mean/Median Speed(mph):	36 / 36.1
Mean/Median Travel Time(s):	1031.2 (17:11) / 1028.8 (17:08)
Standard Deviation:	46.3
15th Percentile Travel Time(s):	1001 (16:41)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

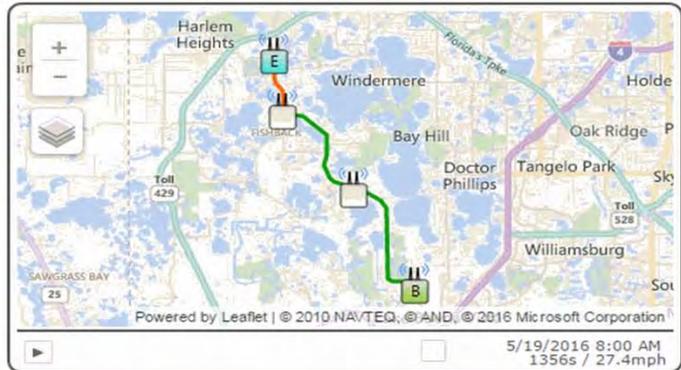


The following filter settings have been applied to this report.  
 Date Range: **5/9/2016 - 5/20/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 9A (QC17) to 9D (QC07)

Trip Distance(mi):	<b>10.32</b>
Expected Travel Time(s):	<b>861 (14:21)</b>
Number of Trips:	<b>633</b>
Mean/Median Speed(mph):	<b>34 / 35.5</b>
Mean/Median Travel Time(s):	<b>1093 (18:13) / 1045.8 (17:25)</b>
Standard Deviation:	<b>177</b>
15th Percentile Travel Time(s):	<b>958 (15:58)</b>
85th Percentile Travel Time(s):	<b>1355.5 (22:35)</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

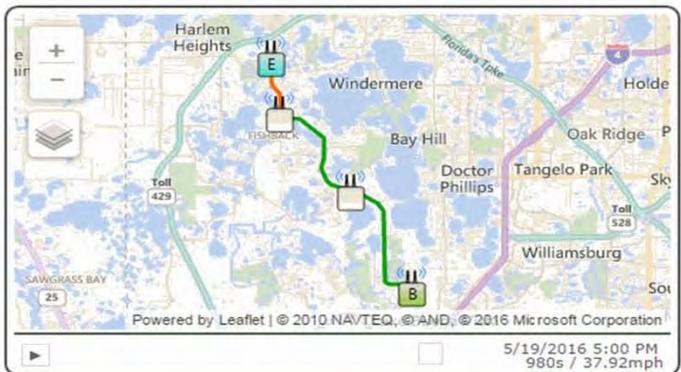


The following filter settings have been applied to this report.  
 Date Range: **5/9/2016 - 5/20/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 9A (QC17) to 9D (QC07)

Trip Distance(mi):	<b>10.32</b>
Expected Travel Time(s):	<b>861 (14:21)</b>
Number of Trips:	<b>900</b>
Mean/Median Speed(mph):	<b>38.3 / 38.1</b>
Mean/Median Travel Time(s):	<b>970.8 (16:10) / 976.5 (16:16)</b>
Standard Deviation:	<b>57</b>
15th Percentile Travel Time(s):	<b>913 (15:13)</b>
85th Percentile Travel Time(s):	<b>1029.5 (17:09)</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/9/2016 - 5/20/2016

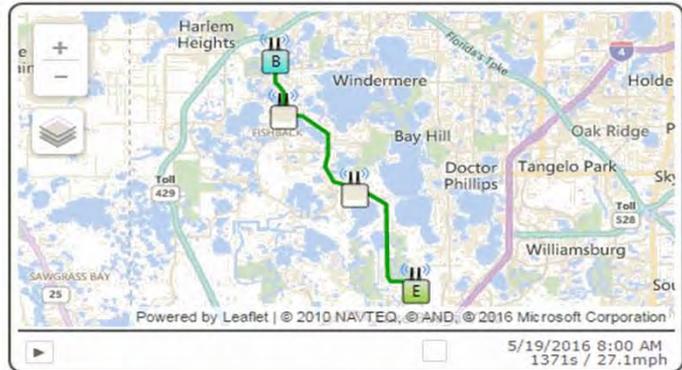
Time Range: 7:00 AM - 9:00 AM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 9D (QC07) to 9A (QC17)

Trip Distance(mi):	10.32
Expected Travel Time(s):	887 (14:47)
Number of Trips:	1043
Mean/Median Speed(mph):	29.9 / 30.6
Mean/Median Travel Time(s):	1242.6 (20:42) / 1215.5 (20:15)
Standard Deviation:	198.4
15th Percentile Travel Time(s):	1068.5 (17:48)
85th Percentile Travel Time(s):	1398 (23:18)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/9/2016 - 5/20/2016

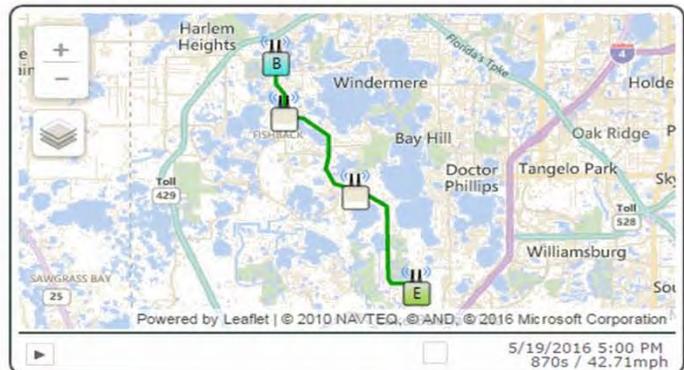
Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 9D (QC07) to 9A (QC17)

Trip Distance(mi):	10.32
Expected Travel Time(s):	887 (14:47)
Number of Trips:	691
Mean/Median Speed(mph):	33.7 / 35.5
Mean/Median Travel Time(s):	1101.9 (18:21) / 1047 (17:27)
Standard Deviation:	162.3
15th Percentile Travel Time(s):	982 (16:22)
85th Percentile Travel Time(s):	1340.5 (22:20)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 7:00 AM - 9:00 AM

Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 10 A (QC20) to 10 B (QC12)

Trip Distance(mi):	2.32
Expected Travel Time(s):	228 (3:48)
Number of Trips:	15
Mean/Median Speed(mph):	28.2 / 42.5
Mean/Median Travel Time(s):	295.1 (4:55) / 196 (3:16)
Standard Deviation:	247.1
15th Percentile Travel Time(s):	177 (2:57)
85th Percentile Travel Time(s):	404 (6:44)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 4:00 PM - 6:00 PM

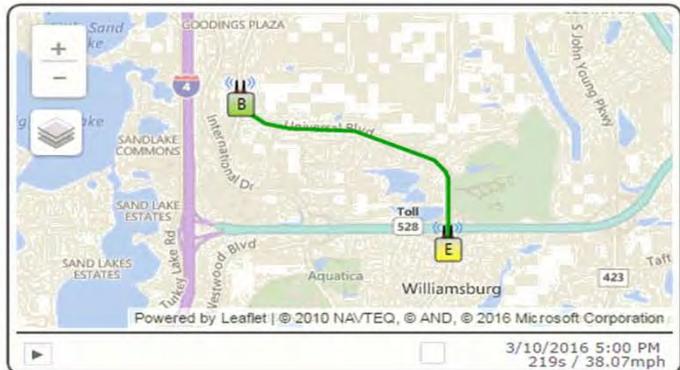
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 10 A (QC20) to 10 B (QC12)

Trip Distance(mi):	2.32
Expected Travel Time(s):	228 (3:48)
Number of Trips:	87
Mean/Median Speed(mph):	34.4 / 38.2
Mean/Median Travel Time(s):	242.1 (4:02) / 218 (3:38)
Standard Deviation:	129.9
15th Percentile Travel Time(s):	182 (3:02)
85th Percentile Travel Time(s):	264 (4:24)
95th Percentile Travel Time(s):	286 (4:46)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 7:00 AM - 9:00 AM

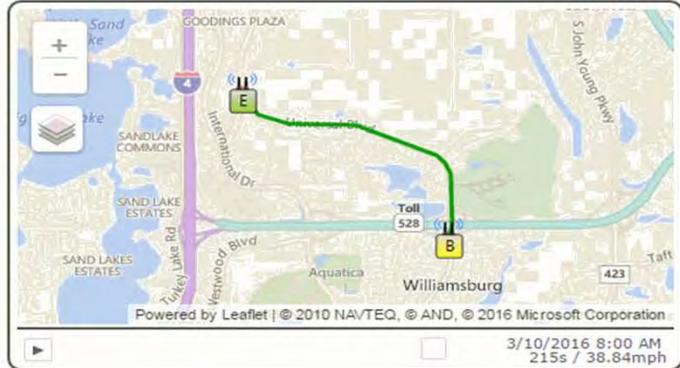
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 10 (QC12) to 10 (QC20)

Trip Distance(mi):	2.32
Expected Travel Time(s):	222 (3:42)
Number of Trips:	27
Mean/Median Speed(mph):	32.6 / 42
Mean/Median Travel Time(s):	256.1 (4:16) / 199 (3:19)
Standard Deviation:	164.8
15th Percentile Travel Time(s):	184 (3:04)
85th Percentile Travel Time(s):	431 (7:11)
95th Percentile Travel Time(s):	437 (7:17)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 10 B (QC12) to 10 A (QC20)

Trip Distance(mi):	2.32
Expected Travel Time(s):	222 (3:42)
Number of Trips:	11
Mean/Median Speed(mph):	16.9 / 17.3
Mean/Median Travel Time(s):	493 (8:13) / 483 (8:03)
Standard Deviation:	247.7
15th Percentile Travel Time(s):	267 (4:27)
85th Percentile Travel Time(s):	797 (13:17)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/25/2016 - 4/29/2016

Time Range: 7:00 AM - 9:00 AM

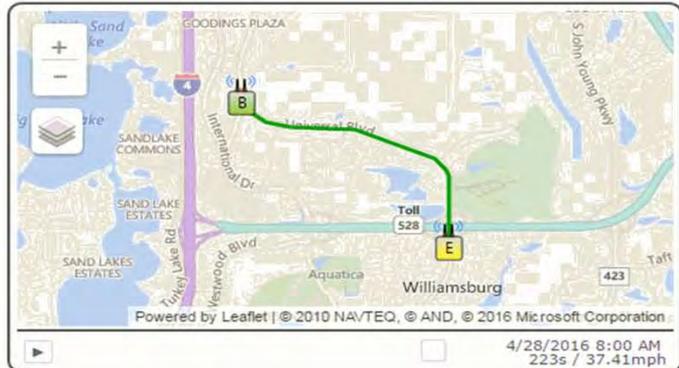
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 10 A (QC12) to 10 B (QC16)

Trip Distance(mi):	2.32
Expected Travel Time(s):	228 (3:48)
Number of Trips:	37
Mean/Median Speed(mph):	28.6 / 35.5
Mean/Median Travel Time(s):	291.6 (4:51) / 235 (3:55)
Standard Deviation:	154.1
15th Percentile Travel Time(s):	187 (3:07)
85th Percentile Travel Time(s):	494 (8:14)
95th Percentile Travel Time(s):	645 (10:45)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/25/2016 - 4/29/2016

Time Range: 4:00 PM - 6:00 PM

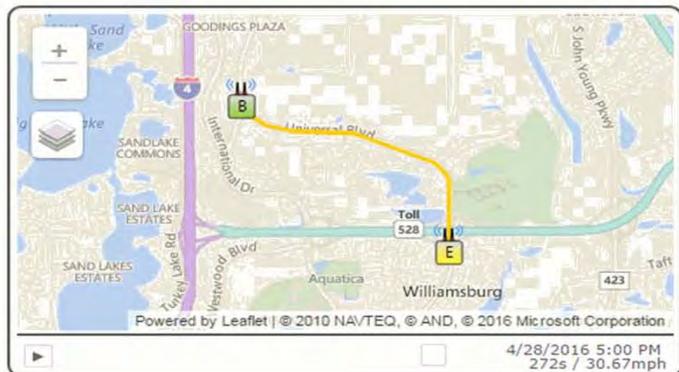
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 10 A (QC12) to 10 B (QC16)

Trip Distance(mi):	2.32
Expected Travel Time(s):	228 (3:48)
Number of Trips:	83
Mean/Median Speed(mph):	32.5 / 35.3
Mean/Median Travel Time(s):	256.5 (4:16) / 236 (3:56)
Standard Deviation:	111.1
15th Percentile Travel Time(s):	195 (3:15)
85th Percentile Travel Time(s):	287 (4:47)
95th Percentile Travel Time(s):	363 (6:03)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **4/25/2016 - 4/29/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1020s**

**10 (QC16) to 10 (QC12)**

Trip Distance(mi):	<b>2.32</b>
Expected Travel Time(s):	<b>219 (3:39)</b>
Number of Trips:	<b>42</b>
Mean/Median Speed(mph):	<b>35.5 / 39.8</b>
Mean/Median Travel Time(s):	<b>235.3 (3:55) / 209.5 (3:29)</b>
Standard Deviation:	<b>94.9</b>
15th Percentile Travel Time(s):	<b>173 (2:53)</b>
85th Percentile Travel Time(s):	<b>272 (4:32)</b>
95th Percentile Travel Time(s):	<b>390 (6:30)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

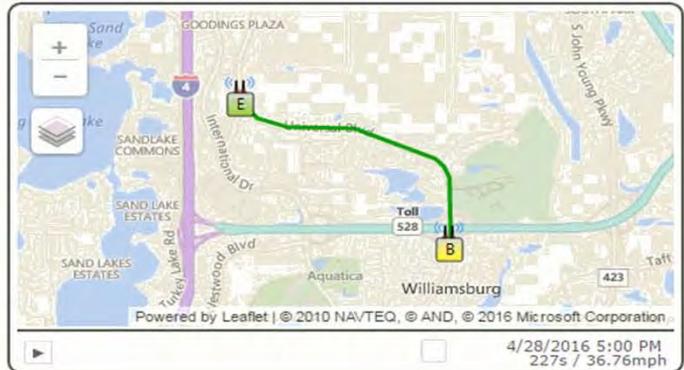


The following filter settings have been applied to this report.  
 Date Range: **4/25/2016 - 4/29/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1020s**

**10 B (QC16) to 10 A (QC12)**

Trip Distance(mi):	<b>2.32</b>
Expected Travel Time(s):	<b>219 (3:39)</b>
Number of Trips:	<b>25</b>
Mean/Median Speed(mph):	<b>36.6 / 40.9</b>
Mean/Median Travel Time(s):	<b>228 (3:48) / 204 (3:24)</b>
Standard Deviation:	<b>84.2</b>
15th Percentile Travel Time(s):	<b>181 (3:01)</b>
85th Percentile Travel Time(s):	<b>271 (4:31)</b>
95th Percentile Travel Time(s):	<b>273 (4:33)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

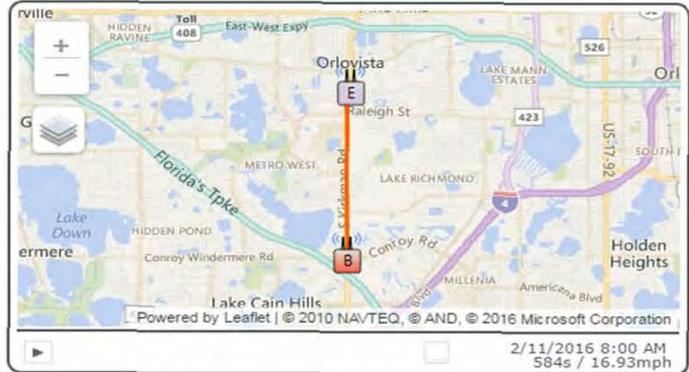


The following filter settings have been applied to this report.  
 Date Range: 2/9/2016 - 2/12/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 1110s

### 11 A (QC17) to 11 B (QC07)

Trip Distance(mi):	2.75
Expected Travel Time(s):	300 (5:00)
Number of Trips:	112
Mean/Median Speed(mph):	20 / 21.9
Mean/Median Travel Time(s):	494.2 (8:14) / 452.5 (7:32)
Standard Deviation:	179
15th Percentile Travel Time(s):	350 (5:50)
85th Percentile Travel Time(s):	653 (10:53)
95th Percentile Travel Time(s):	830 (13:50)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

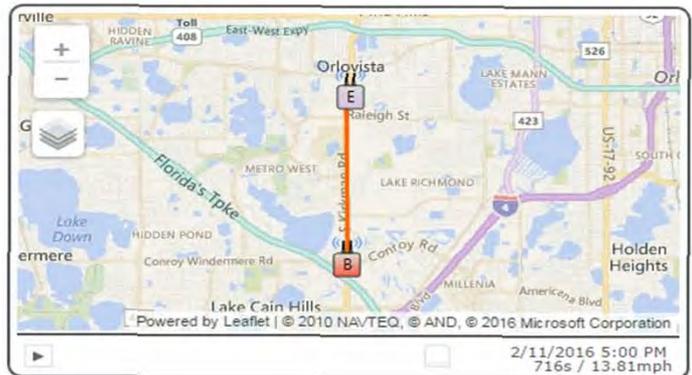


The following filter settings have been applied to this report.  
 Date Range: 2/9/2016 - 2/12/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 1110s

### 11 A (QC17) to 11 B (QC07)

Trip Distance(mi):	2.75
Expected Travel Time(s):	300 (5:00)
Number of Trips:	144
Mean/Median Speed(mph):	16.4 / 16.9
Mean/Median Travel Time(s):	602.8 (10:02) / 583.5 (9:43)
Standard Deviation:	153.7
15th Percentile Travel Time(s):	417 (6:57)
85th Percentile Travel Time(s):	733 (12:13)
95th Percentile Travel Time(s):	859 (14:19)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

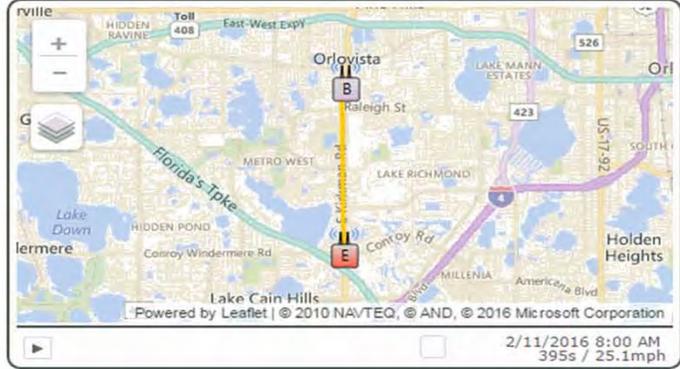


The following filter settings have been applied to this report.  
 Date Range: **2/9/2016 - 2/12/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1110s**

### 11 B (QC07) to 11 A (QC17)

Trip Distance(mi):	<b>2.75</b>
Expected Travel Time(s):	<b>308 (5:08)</b>
Number of Trips:	<b>125</b>
Mean/Median Speed(mph):	<b>23.4 / 24.4</b>
Mean/Median Travel Time(s):	<b>424.5 (7:04) / 407 (6:47)</b>
Standard Deviation:	<b>114.8</b>
15th Percentile Travel Time(s):	<b>321 (5:21)</b>
85th Percentile Travel Time(s):	<b>515 (8:35)</b>
95th Percentile Travel Time(s):	<b>606 (10:06)</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

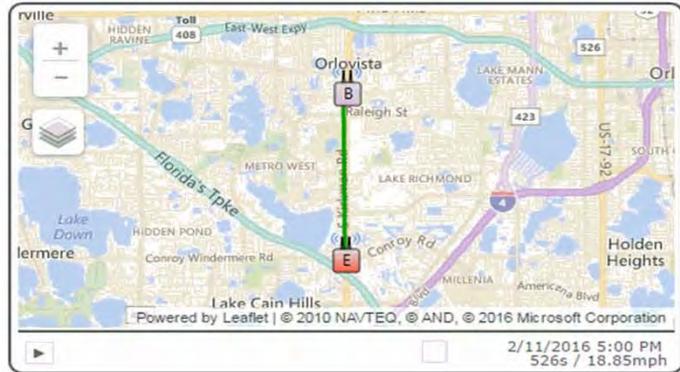


The following filter settings have been applied to this report.  
 Date Range: **2/9/2016 - 2/12/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1110s**

### 11 B (QC07) to 11 A (QC17)

Trip Distance(mi):	<b>2.75</b>
Expected Travel Time(s):	<b>308 (5:08)</b>
Number of Trips:	<b>84</b>
Mean/Median Speed(mph):	<b>19.2 / 19.2</b>
Mean/Median Travel Time(s):	<b>515.6 (8:35) / 516 (8:36)</b>
Standard Deviation:	<b>165.8</b>
15th Percentile Travel Time(s):	<b>376 (6:16)</b>
85th Percentile Travel Time(s):	<b>610 (10:10)</b>
95th Percentile Travel Time(s):	<b>920 (15:20)</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/25/2016 - 4/29/2016

Time Range: 7:00 AM - 9:00 AM

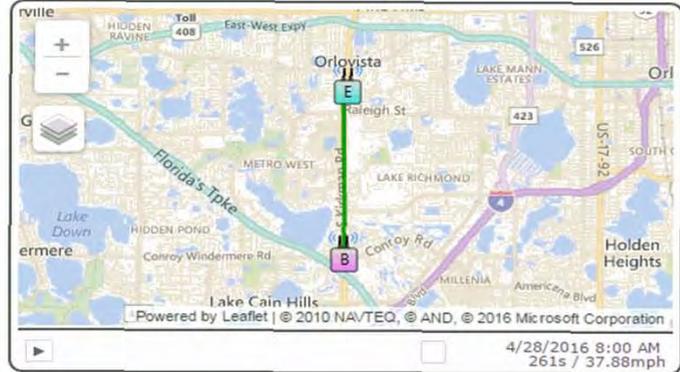
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1110s

## 11 A (QC10) to 11 B (QC18)

Trip Distance(mi):	2.75
Expected Travel Time(s):	300 (5:00)
Number of Trips:	121
Mean/Median Speed(mph):	26.8 / 30.5
Mean/Median Travel Time(s):	369.5 (6:09) / 324 (5:24)
Standard Deviation:	196.3
15th Percentile Travel Time(s):	228 (3:48)
85th Percentile Travel Time(s):	519 (8:39)
95th Percentile Travel Time(s):	945 (15:45)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/25/2016 - 4/29/2016

Time Range: 4:00 PM - 6:00 PM

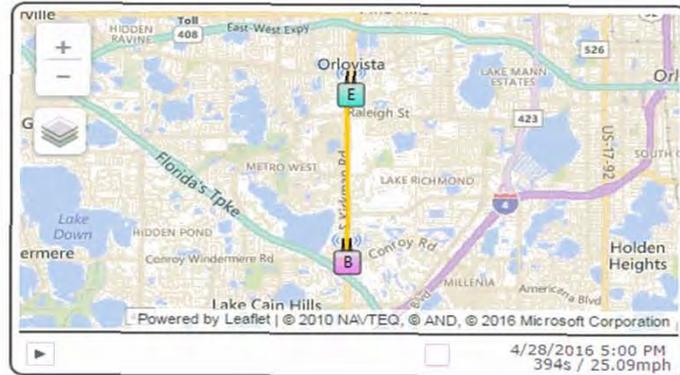
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1110s

## 11 A (QC10) to 11 B (QC18)

Trip Distance(mi):	2.75
Expected Travel Time(s):	300 (5:00)
Number of Trips:	242
Mean/Median Speed(mph):	22 / 24
Mean/Median Travel Time(s):	449.6 (7:29) / 411.5 (6:51)
Standard Deviation:	161.3
15th Percentile Travel Time(s):	326 (5:26)
85th Percentile Travel Time(s):	580 (9:40)
95th Percentile Travel Time(s):	745 (12:25)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/25/2016 - 4/29/2016**

Time Range: **7:00 AM - 9:00 AM**

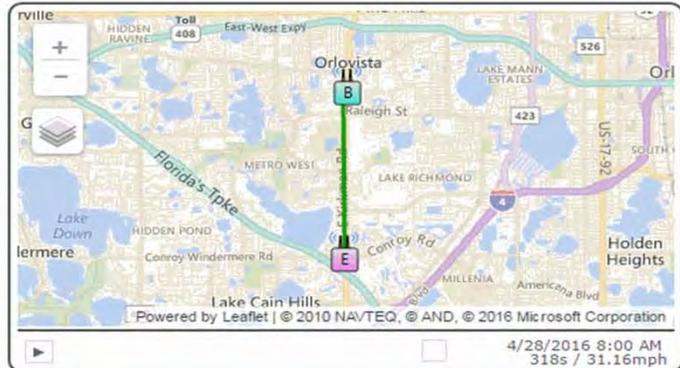
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1110s**

## 11 B (QC18) to 11 A (QC10)

Trip Distance(mi):	<b>2.75</b>
Expected Travel Time(s):	<b>308 (5:08)</b>
Number of Trips:	<b>132</b>
Mean/Median Speed(mph):	<b>26.1 / 28.6</b>
Mean/Median Travel Time(s):	<b>380.1 (6:20) / 346 (5:46)</b>
Standard Deviation:	<b>138.3</b>
15th Percentile Travel Time(s):	<b>273 (4:33)</b>
85th Percentile Travel Time(s):	<b>492 (8:12)</b>
95th Percentile Travel Time(s):	<b>659 (10:59)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/25/2016 - 4/29/2016**

Time Range: **4:00 PM - 6:00 PM**

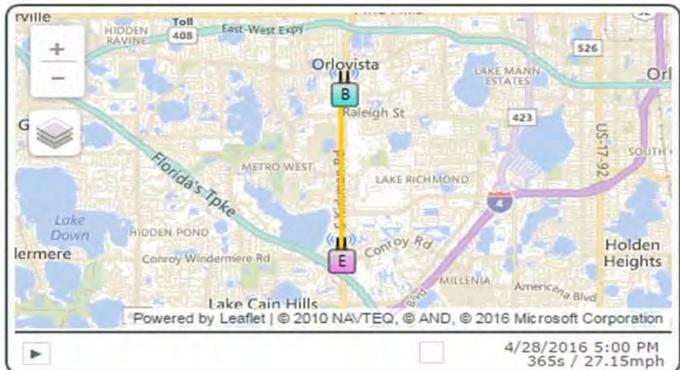
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1110s**

## 11 B (QC18) to 11 A (QC10)

Trip Distance(mi):	<b>2.75</b>
Expected Travel Time(s):	<b>308 (5:08)</b>
Number of Trips:	<b>83</b>
Mean/Median Speed(mph):	<b>27 / 28.4</b>
Mean/Median Travel Time(s):	<b>366.7 (6:06) / 349 (5:49)</b>
Standard Deviation:	<b>149.6</b>
15th Percentile Travel Time(s):	<b>244 (4:04)</b>
85th Percentile Travel Time(s):	<b>442 (7:22)</b>
95th Percentile Travel Time(s):	<b>684 (11:24)</b>

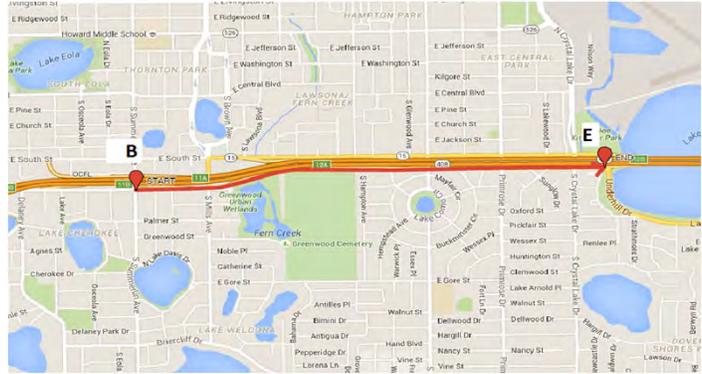
**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 12 EB

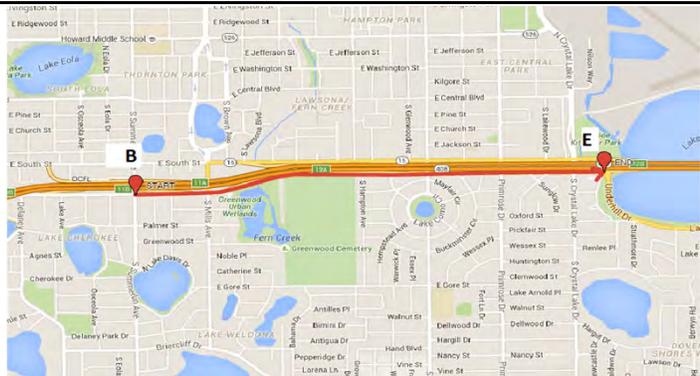
Trip Distance(mi): **1.63**  
Expected Travel Time(s): **196 (03:16)**  
Number of Trips: **17**  
Mean Speed: **36.8**  
Median Speed: **38.1**  
Mean Travel Time: **163 (02:43)**  
Median Travel Time: **154 (02:34)**  
Standard Deviation: **27.6**  
15th Percentile Travel Times: **147 (02:27)**  
85th Percentile Travel Times: **165 (02:45)**  
95th Percentile Travel Times: **219 (03:39)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 12 EB

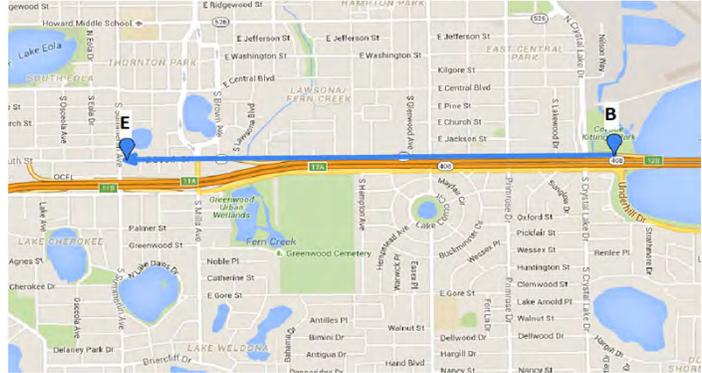
Trip Distance(mi): **1.63**  
Expected Travel Time(s): **196 (03:16)**  
Number of Trips: **17**  
Mean Speed: **22.5**  
Median Speed: **24.8**  
Mean Travel Time: **286 (04:46)**  
Median Travel Time: **237 (03:57)**  
Standard Deviation: **95.1**  
15th Percentile Travel Times: **212 (03:32)**  
85th Percentile Travel Times: **405 (06:45)**  
95th Percentile Travel Times: **452 (07:32)**



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 12 WB

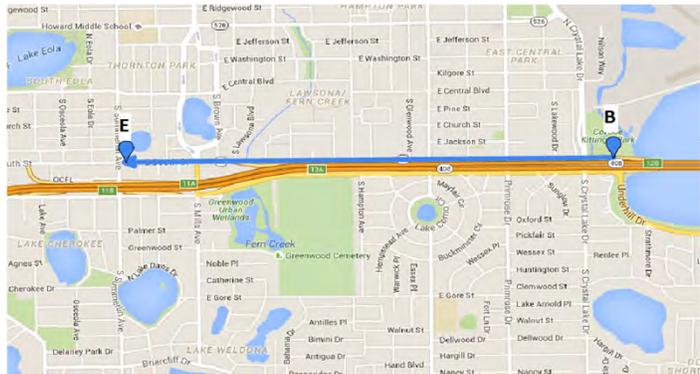
Trip Distance(mi): **1.6**  
Expected Travel Time(s): **192 (03:12)**  
Number of Trips: **17**  
Mean Speed: **24.3**  
Median Speed: **24.4**  
Mean Travel Time: **238 (03:58)**  
Median Travel Time: **236 (03:56)**  
Standard Deviation: **7.5**  
15th Percentile Travel Times: **232 (03:52)**  
85th Percentile Travel Times: **242 (04:02)**  
95th Percentile Travel Times: **252 (04:12)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 12 WB

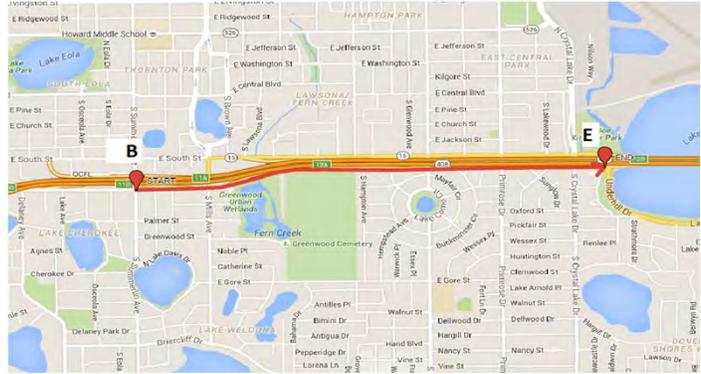
Trip Distance(mi): **1.6**  
Expected Travel Time(s): **192 (03:12)**  
Number of Trips: **18**  
Mean Speed: **24.6**  
Median Speed: **25.2**  
Mean Travel Time: **237 (03:57)**  
Median Travel Time: **229 (03:49)**  
Standard Deviation: **33.5**  
15th Percentile Travel Times: **217 (03:37)**  
85th Percentile Travel Times: **245 (04:05)**  
95th Percentile Travel Times: **321 (05:21)**



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 12 EB

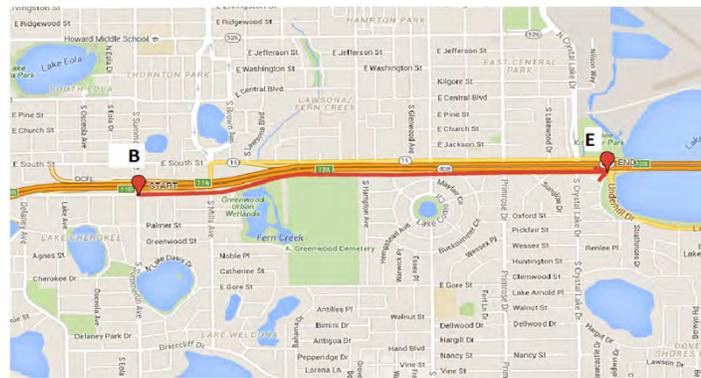
Trip Distance(mi): **1.63**  
Expected Travel Time(s): **196 (03:16)**  
Number of Trips: **23**  
Mean Speed: **21.1**  
Median Speed: **20.9**  
Mean Travel Time: **286 (04:46)**  
Median Travel Time: **281 (04:41)**  
Standard Deviation: **51.8**  
15th Percentile Travel Times: **272 (04:32)**  
85th Percentile Travel Times: **296 (04:56)**  
95th Percentile Travel Times: **410 (06:50)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 12 EB

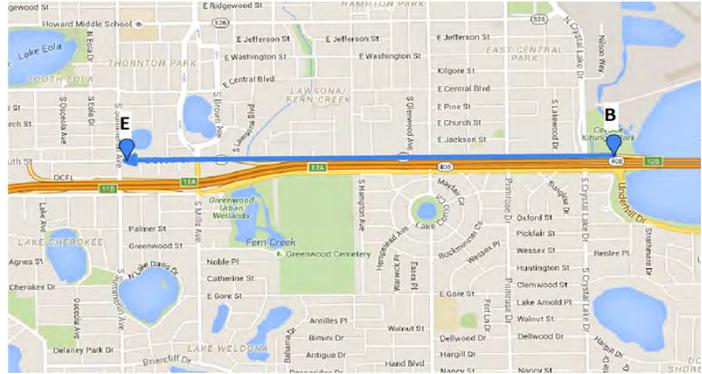
Trip Distance(mi): **1.63**  
Expected Travel Time(s): **196 (03:16)**  
Number of Trips: **23**  
Mean Speed: **24.0**  
Median Speed: **24.3**  
Mean Travel Time: **254 (04:14)**  
Median Travel Time: **241 (04:01)**  
Standard Deviation: **53.3**  
15th Percentile Travel Times: **221 (03:41)**  
85th Percentile Travel Times: **326 (05:26)**  
95th Percentile Travel Times: **363 (06:03)**



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 12 WB

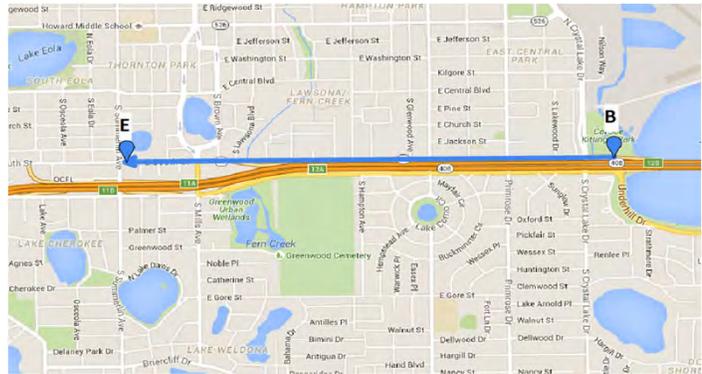
Trip Distance(mi): **1.6**  
Expected Travel Time(s): **192 (03:12)**  
Number of Trips: **22**  
Mean Speed: **31.3**  
Median Speed: **31.1**  
Mean Travel Time: **186 (03:06)**  
Median Travel Time: **185 (03:05)**  
Standard Deviation: **19.9**  
15th Percentile Travel Times: **171 (02:51)**  
85th Percentile Travel Times: **192 (03:12)**  
95th Percentile Travel Times: **215 (03:35)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 12 WB

Trip Distance(mi): **1.6**  
Expected Travel Time(s): **192 (03:12)**  
Number of Trips: **22**  
Mean Speed: **23.6**  
Median Speed: **23.4**  
Mean Travel Time: **245 (04:05)**  
Median Travel Time: **246 (04:06)**  
Standard Deviation: **13.9**  
15th Percentile Travel Times: **230 (03:50)**  
85th Percentile Travel Times: **259 (04:19)**  
95th Percentile Travel Times: **263 (04:23)**

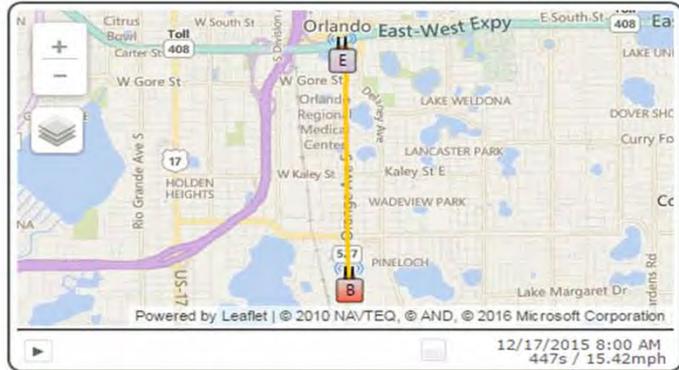


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1110s**

### 13 A (QC16) to 13 B (QC09)

Trip Distance(mi):	<b>1.91</b>
Expected Travel Time(s):	<b>310 (5:10)</b>
Number of Trips:	<b>105</b>
Mean/Median Speed(mph):	<b>15.6 / 17.4</b>
Mean/Median Travel Time(s):	<b>442.7 (7:22) / 397 (6:37)</b>
Standard Deviation:	<b>171.3</b>
15th Percentile Travel Time(s):	<b>305 (5:05)</b>
85th Percentile Travel Time(s):	<b>584 (9:44)</b>
95th Percentile Travel Time(s):	<b>774 (12:54)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

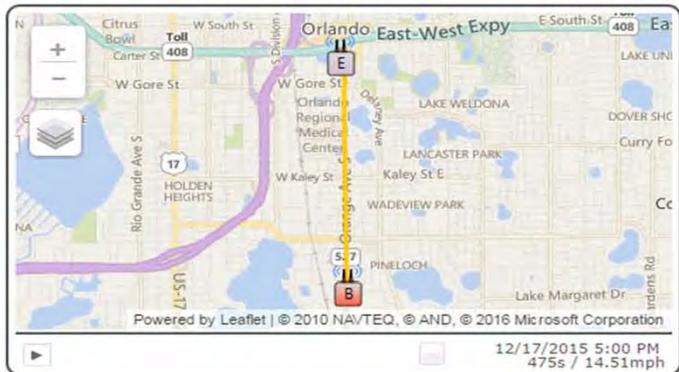


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1110s**

### 13 A (QC16) to 13 B (QC09)

Trip Distance(mi):	<b>1.91</b>
Expected Travel Time(s):	<b>310 (5:10)</b>
Number of Trips:	<b>95</b>
Mean/Median Speed(mph):	<b>14 / 14.6</b>
Mean/Median Travel Time(s):	<b>490.7 (8:10) / 473 (7:53)</b>
Standard Deviation:	<b>151.8</b>
15th Percentile Travel Time(s):	<b>346 (5:46)</b>
85th Percentile Travel Time(s):	<b>610 (10:10)</b>
95th Percentile Travel Time(s):	<b>769 (12:49)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

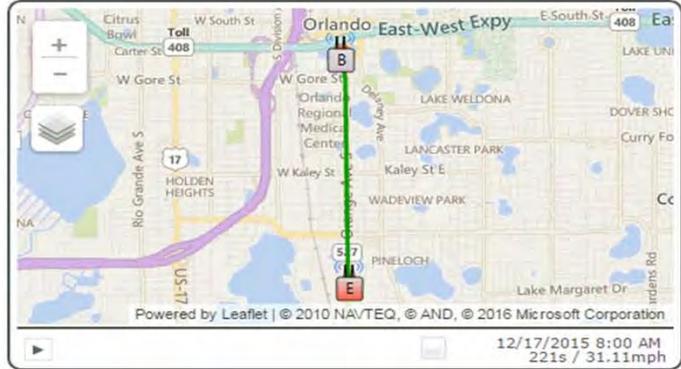


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1110s**

### 13 B (QC09) to 13 A (QC16)

Trip Distance(mi):	<b>1.91</b>
Expected Travel Time(s):	<b>280 (4:40)</b>
Number of Trips:	<b>28</b>
Mean/Median Speed(mph):	<b>16.3 / 19.5</b>
Mean/Median Travel Time(s):	<b>422.1 (7:02) / 352.5 (5:52)</b>
Standard Deviation:	<b>220.5</b>
15th Percentile Travel Time(s):	<b>232 (3:52)</b>
85th Percentile Travel Time(s):	<b>658 (10:58)</b>
95th Percentile Travel Time(s):	<b>773 (12:53)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

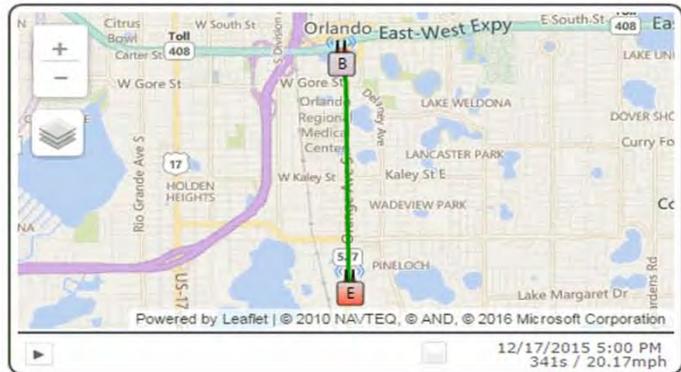


The following filter settings have been applied to this report.  
 Date Range: **12/14/2015 - 12/18/2015**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 1110s**

### 13 B (QC09) to 13 A (QC16)

Trip Distance(mi):	<b>1.91</b>
Expected Travel Time(s):	<b>280 (4:40)</b>
Number of Trips:	<b>46</b>
Mean/Median Speed(mph):	<b>15.9 / 17.9</b>
Mean/Median Travel Time(s):	<b>433.5 (7:13) / 384 (6:24)</b>
Standard Deviation:	<b>188.3</b>
15th Percentile Travel Time(s):	<b>278 (4:38)</b>
85th Percentile Travel Time(s):	<b>633 (10:33)</b>
95th Percentile Travel Time(s):	<b>892 (14:52)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 7:00 AM - 9:00 AM

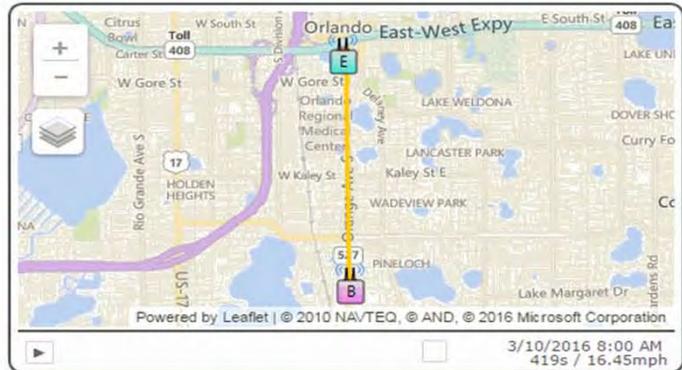
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1110s

### 13 A (QC03) to 13 B (QC05)

Trip Distance(mi):	1.91
Expected Travel Time(s):	310 (5:10)
Number of Trips:	92
Mean/Median Speed(mph):	16.5 / 16.9
Mean/Median Travel Time(s):	418.6 (6:58) / 409 (6:49)
Standard Deviation:	134.3
15th Percentile Travel Time(s):	313 (5:13)
85th Percentile Travel Time(s):	505 (8:25)
95th Percentile Travel Time(s):	737 (12:17)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 4:00 PM - 6:00 PM

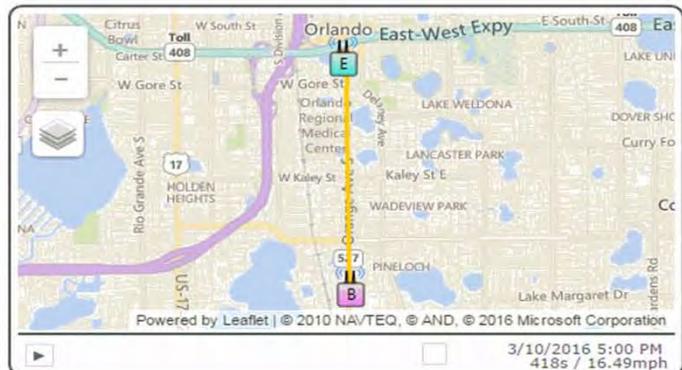
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1110s

### 13 A (QC03) to 13 B (QC05)

Trip Distance(mi):	1.91
Expected Travel Time(s):	310 (5:10)
Number of Trips:	104
Mean/Median Speed(mph):	13.5 / 14.3
Mean/Median Travel Time(s):	508.8 (8:28) / 483 (8:03)
Standard Deviation:	148.8
15th Percentile Travel Time(s):	366 (6:06)
85th Percentile Travel Time(s):	623 (10:23)
95th Percentile Travel Time(s):	821 (13:41)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 7:00 AM - 9:00 AM

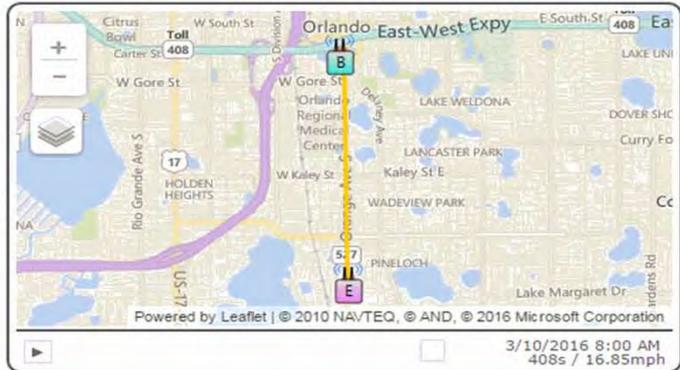
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1110s

### 13 B (QC05) to 13 A (QC03)

Trip Distance(mi):	1.91
Expected Travel Time(s):	280 (4:40)
Number of Trips:	38
Mean/Median Speed(mph):	20.6 / 23.8
Mean/Median Travel Time(s):	333.6 (5:33) / 288.5 (4:48)
Standard Deviation:	169
15th Percentile Travel Time(s):	236 (3:56)
85th Percentile Travel Time(s):	445 (7:25)
95th Percentile Travel Time(s):	763 (12:43)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/7/2016 - 3/11/2016

Time Range: 4:00 PM - 6:00 PM

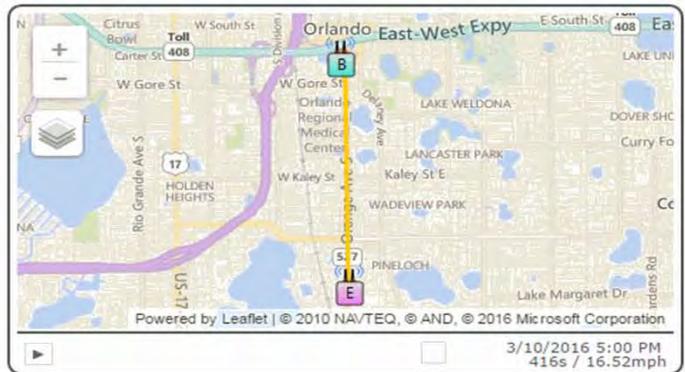
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1110s

### 13 B (QC05) to 13 A (QC03)

Trip Distance(mi):	1.91
Expected Travel Time(s):	280 (4:40)
Number of Trips:	61
Mean/Median Speed(mph):	17.6 / 18
Mean/Median Travel Time(s):	390.2 (6:30) / 381 (6:21)
Standard Deviation:	93.3
15th Percentile Travel Time(s):	300 (5:00)
85th Percentile Travel Time(s):	481 (8:01)
95th Percentile Travel Time(s):	605 (10:05)

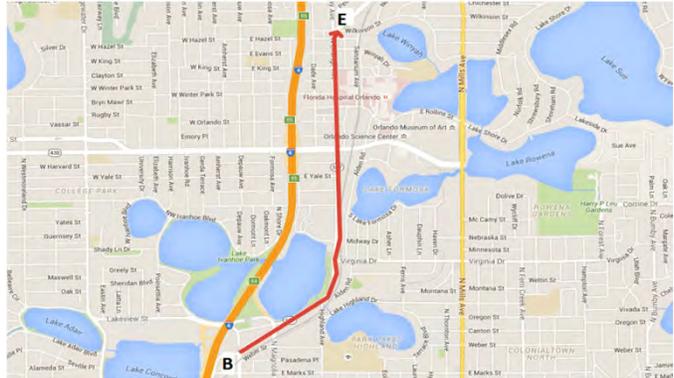
Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 14 NB

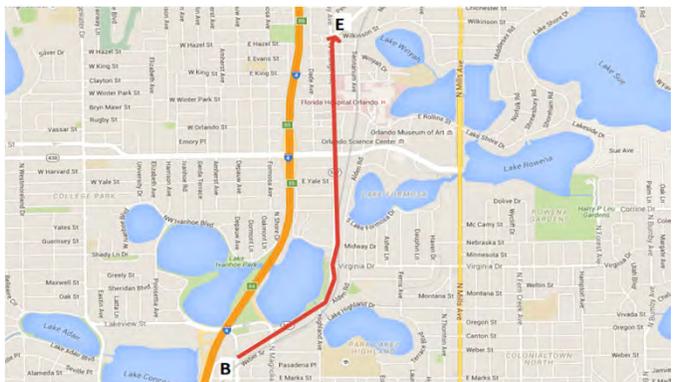
Trip Distance(mi): **1.63**  
Expected Travel Time(s): **196 (03:16)**  
Number of Trips: **17**  
Mean Speed: **22.6**  
Median Speed: **25.3**  
Mean Travel Time: **273 (04:33)**  
Median Travel Time: **232 (03:52)**  
Standard Deviation: **68.6**  
15th Percentile Travel Times: **219 (03:39)**  
85th Percentile Travel Times: **350 (05:50)**  
95th Percentile Travel Times: **394 (06:34)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 14 NB

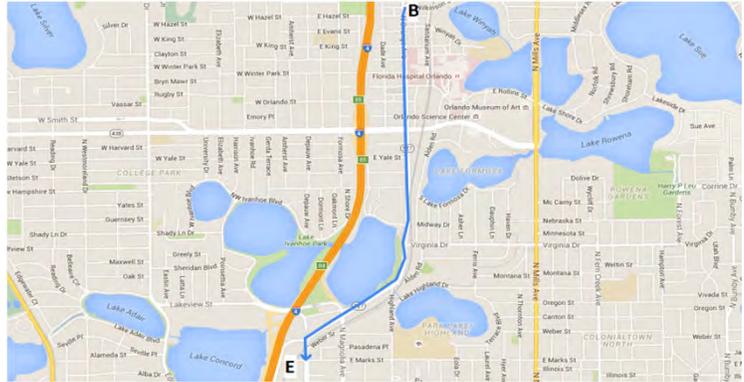
Trip Distance(mi): **1.63**  
Expected Travel Time(s): **206 (03:26)**  
Number of Trips: **16**  
Mean Speed: **15.9**  
Median Speed: **14.9**  
Mean Travel Time: **414 (06:54)**  
Median Travel Time: **395 (06:35)**  
Standard Deviation: **159.1**  
15th Percentile Travel Times: **265 (04:25)**  
85th Percentile Travel Times: **525 (08:45)**  
95th Percentile Travel Times: **690 (11:30)**



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 14 SB

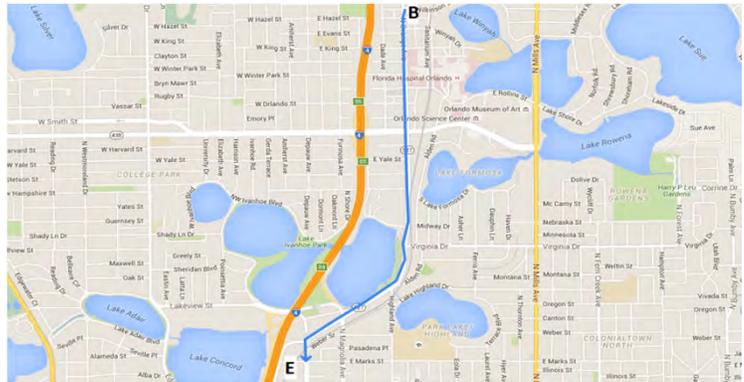
Trip Distance(mi): **1.72**  
Expected Travel Time(s): **206 (03:26)**  
Number of Trips: **16**  
Mean Speed: **19.2**  
Median Speed: **18.5**  
Mean Travel Time: **341 (05:41)**  
Median Travel Time: **335 (05:35)**  
Standard Deviation: **82.4**  
15th Percentile Travel Times: **272 (04:32)**  
85th Percentile Travel Times: **438 (07:18)**  
95th Percentile Travel Times: **466 (07:46)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 14 SB

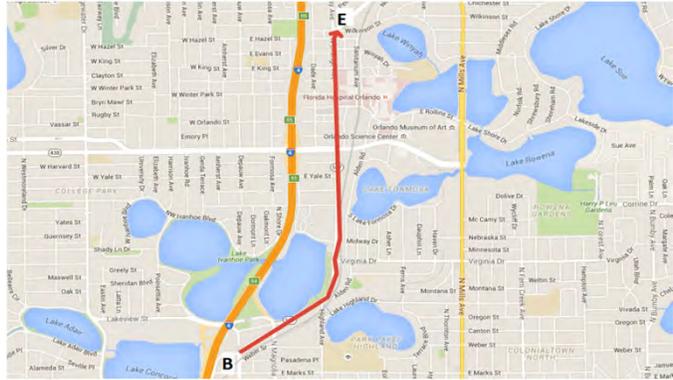
Trip Distance(mi): **1.72**  
Expected Travel Time(s): **206 (03:26)**  
Number of Trips: **16**  
Mean Speed: **15.9**  
Median Speed: **16.8**  
Mean Travel Time: **412 (06:52)**  
Median Travel Time: **370 (06:10)**  
Standard Deviation: **106.4**  
15th Percentile Travel Times: **360 (06:00)**  
85th Percentile Travel Times: **490 (08:10)**  
95th Percentile Travel Times: **573 (09:33)**



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

### 14 NB

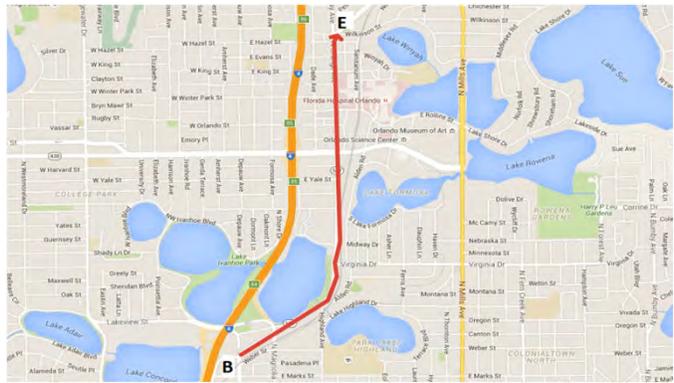
Trip Distance(mi): **1.63**  
Expected Travel Time(s): **206 (03:26)**  
Number of Trips: **16**  
Mean Speed **21.9**  
Median Speed **22.7**  
Mean Travel Time: **268 (04:28)**  
Median Travel Time: **257 (04:17)**  
Standard Deviation: **57.8**  
15th Percentile Travel Times: **227 (03:47)**  
85th Percentile Travel Times: **347 (05:47)**  
95th Percentile Travel Times: **389 (06:28)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

### 14 NB

Trip Distance(mi): **1.63**  
Expected Travel Time(s): **206 (03:26)**  
Number of Trips: **16**  
Mean Speed **17.6**  
Median Speed **17.5**  
Mean Travel Time: **361 (06:01)**  
Median Travel Time: **334 (05:34)**  
Standard Deviation: **105.3**  
15th Percentile Travel Times: **261 (04:21)**  
85th Percentile Travel Times: **472 (07:52)**  
95th Percentile Travel Times: **506 (08:26)**





The following filter settings have been applied to this report.

Date Range: **2/15/2016 - 2/19/2016**

Time Range: **7:00 AM - 9:00 AM**

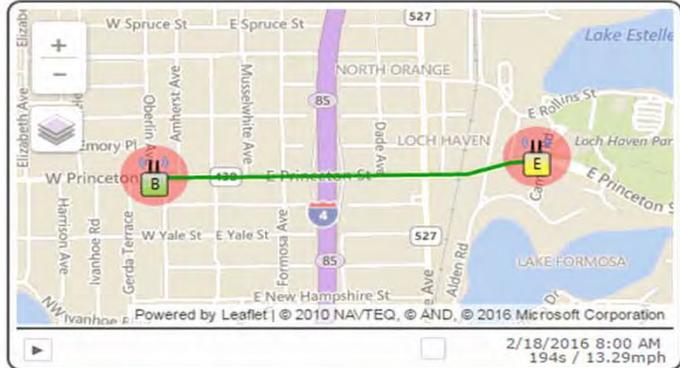
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 A (QC06) to 15 B (QC17)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>51</b>
Mean/Median Speed(mph):	<b>10.7 / 13.4</b>
Mean/Median Travel Time(s):	<b>241.2 (4:01) / 192 (3:12)</b>
Standard Deviation:	<b>123.3</b>
15th Percentile Travel Time(s):	<b>136 (2:16)</b>
85th Percentile Travel Time(s):	<b>412 (6:52)</b>
95th Percentile Travel Time(s):	<b>513 (8:33)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/15/2016 - 2/19/2016**

Time Range: **4:00 PM - 6:00 PM**

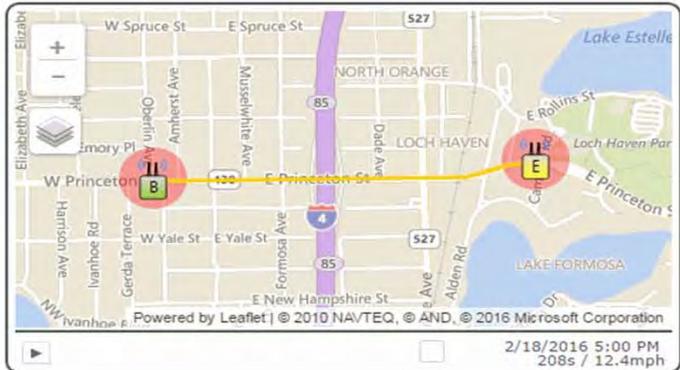
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 A (QC06) to 15 B (QC17)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>55</b>
Mean/Median Speed(mph):	<b>11.2 / 12.3</b>
Mean/Median Travel Time(s):	<b>229.3 (3:49) / 209 (3:29)</b>
Standard Deviation:	<b>109.4</b>
15th Percentile Travel Time(s):	<b>119 (1:59)</b>
85th Percentile Travel Time(s):	<b>356 (5:56)</b>
95th Percentile Travel Time(s):	<b>464 (7:44)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/15/2016 - 2/19/2016**

Time Range: **7:00 AM - 9:00 AM**

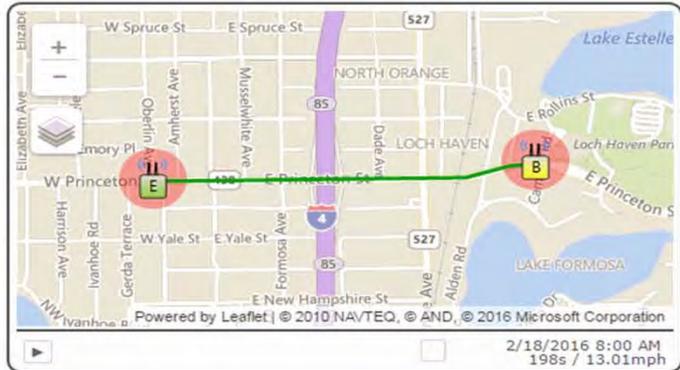
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 B (QC17) to 15 A (QC06)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>40</b>
Mean/Median Speed(mph):	<b>12.7 / 12.9</b>
Mean/Median Travel Time(s):	<b>203.4 (3:23) / 199 (3:19)</b>
Standard Deviation:	<b>58.7</b>
15th Percentile Travel Time(s):	<b>144 (2:24)</b>
85th Percentile Travel Time(s):	<b>276 (4:36)</b>
95th Percentile Travel Time(s):	<b>297 (4:57)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/15/2016 - 2/19/2016**

Time Range: **4:00 PM - 6:00 PM**

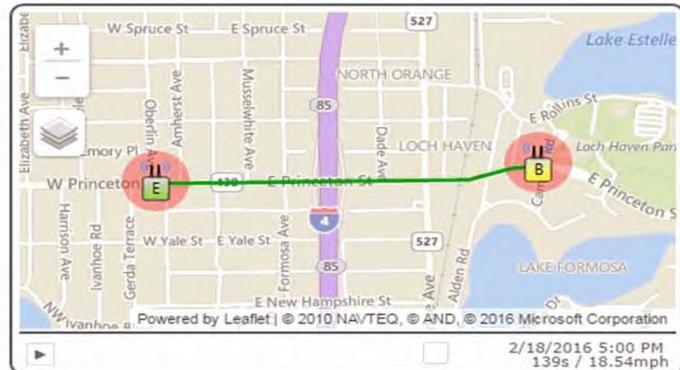
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 B (QC17) to 15 A (QC06)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>75</b>
Mean/Median Speed(mph):	<b>13.7 / 13.7</b>
Mean/Median Travel Time(s):	<b>188.3 (3:08) / 188 (3:08)</b>
Standard Deviation:	<b>73.3</b>
15th Percentile Travel Time(s):	<b>110 (1:50)</b>
85th Percentile Travel Time(s):	<b>247 (4:07)</b>
95th Percentile Travel Time(s):	<b>327 (5:27)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/4/2016 - 4/8/2016**

Time Range: **7:00 AM - 9:00 AM**

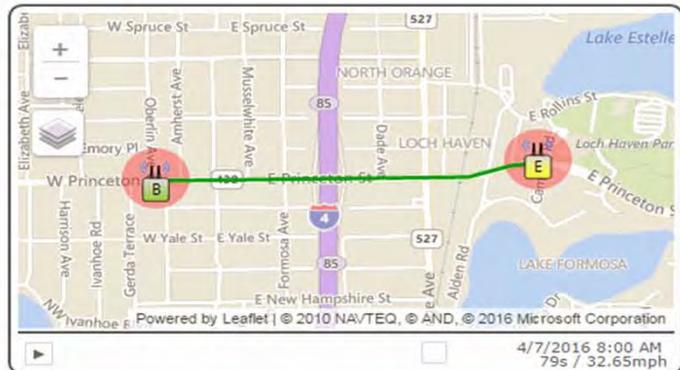
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 A (QC20) to 15 B (QC18)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>140</b>
Mean/Median Speed(mph):	<b>26.7 / 27.1</b>
Mean/Median Travel Time(s):	<b>96.7 (1:36) / 95 (1:35)</b>
Standard Deviation:	<b>54.2</b>
15th Percentile Travel Time(s):	<b>51</b>
85th Percentile Travel Time(s):	<b>130 (2:10)</b>
95th Percentile Travel Time(s):	<b>143 (2:23)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/4/2016 - 4/8/2016**

Time Range: **4:00 PM - 6:00 PM**

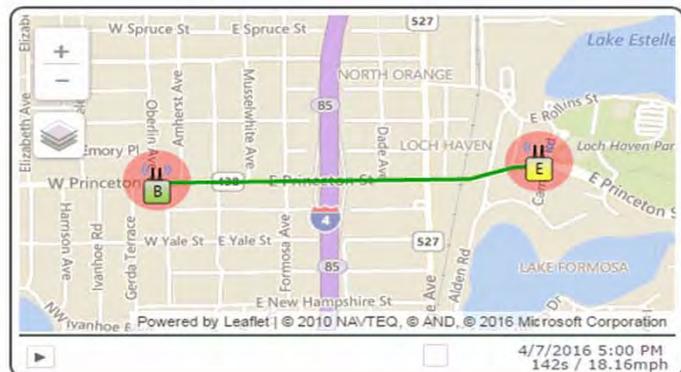
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 A (QC20) to 15 B (QC18)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>95</b>
Mean/Median Speed(mph):	<b>21.2 / 22.2</b>
Mean/Median Travel Time(s):	<b>121.7 (2:01) / 116 (1:56)</b>
Standard Deviation:	<b>82.8</b>
15th Percentile Travel Time(s):	<b>60 (1:00)</b>
85th Percentile Travel Time(s):	<b>157 (2:37)</b>
95th Percentile Travel Time(s):	<b>221 (3:41)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/4/2016 - 4/8/2016**

Time Range: **7:00 AM - 9:00 AM**

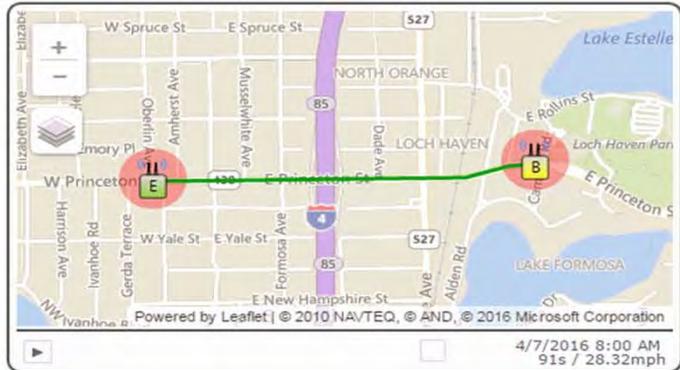
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 B (QC18) to 15 A (QC20)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>96</b>
Mean/Median Speed(mph):	<b>25.1 / 28.8</b>
Mean/Median Travel Time(s):	<b>102.5 (1:42) / 89.5 (1:29)</b>
Standard Deviation:	<b>61.4</b>
15th Percentile Travel Time(s):	<b>61 (1:01)</b>
85th Percentile Travel Time(s):	<b>141 (2:21)</b>
95th Percentile Travel Time(s):	<b>183 (3:03)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/4/2016 - 4/8/2016**

Time Range: **4:00 PM - 6:00 PM**

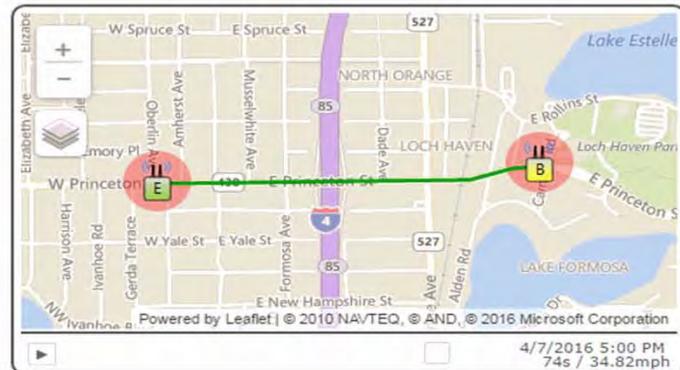
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 600s**

## 15 B (QC18) to 15 A (QC20)

Trip Distance(mi):	<b>0.72</b>
Expected Travel Time(s):	<b>145 (2:25)</b>
Number of Trips:	<b>141</b>
Mean/Median Speed(mph):	<b>24.7 / 30.3</b>
Mean/Median Travel Time(s):	<b>104.5 (1:44) / 85 (1:25)</b>
Standard Deviation:	<b>61.2</b>
15th Percentile Travel Time(s):	<b>55</b>
85th Percentile Travel Time(s):	<b>159 (2:39)</b>
95th Percentile Travel Time(s):	<b>219 (3:39)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/9/2016 - 2/12/2016**

Time Range: **7:00 AM - 9:00 AM**

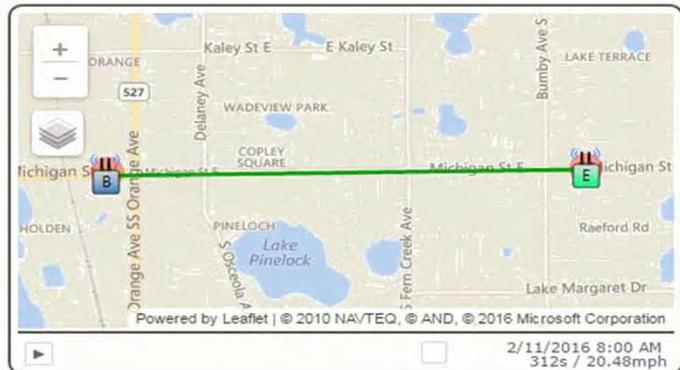
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1020s**

## 16 A (QC10) to 16 B(QC12)

Trip Distance(mi):	<b>1.78</b>
Expected Travel Time(s):	<b>311 (5:11)</b>
Number of Trips:	<b>62</b>
Mean/Median Speed(mph):	<b>14.4 / 16.9</b>
Mean/Median Travel Time(s):	<b>445.1 (7:25) / 379 (6:19)</b>
Standard Deviation:	<b>189.1</b>
15th Percentile Travel Time(s):	<b>275 (4:35)</b>
85th Percentile Travel Time(s):	<b>659 (10:59)</b>
95th Percentile Travel Time(s):	<b>788 (13:08)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/9/2016 - 2/12/2016**

Time Range: **4:00 PM - 6:00 PM**

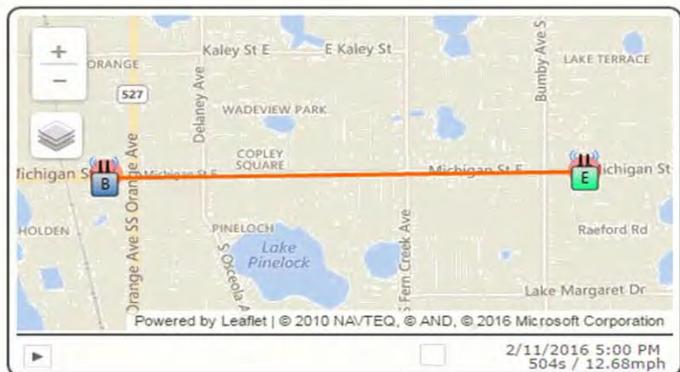
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 1020s**

## 16 A (QC10) to 16 B(QC12)

Trip Distance(mi):	<b>1.78</b>
Expected Travel Time(s):	<b>311 (5:11)</b>
Number of Trips:	<b>55</b>
Mean/Median Speed(mph):	<b>13.9 / 15.9</b>
Mean/Median Travel Time(s):	<b>459.1 (7:39) / 402 (6:42)</b>
Standard Deviation:	<b>178.3</b>
15th Percentile Travel Time(s):	<b>328 (5:28)</b>
85th Percentile Travel Time(s):	<b>577 (9:37)</b>
95th Percentile Travel Time(s):	<b>980 (16:20)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/9/2016 - 2/12/2016

Time Range: 7:00 AM - 9:00 AM

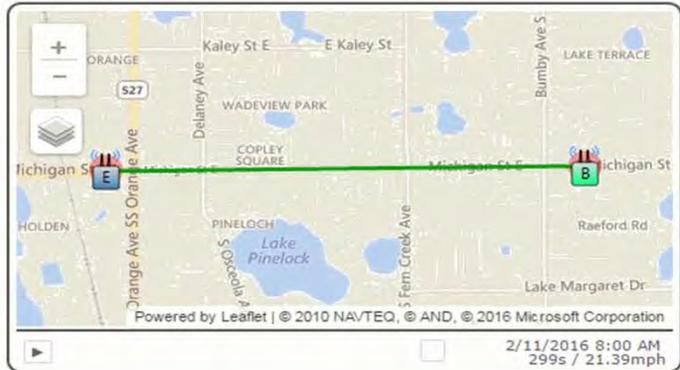
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 16 'B(QC12) to 16 A (QC10)

Trip Distance(mi):	1.78
Expected Travel Time(s):	303 (5:03)
Number of Trips:	88
Mean/Median Speed(mph):	18.1 / 18.9
Mean/Median Travel Time(s):	354 (5:54) / 339 (5:39)
Standard Deviation:	105.8
15th Percentile Travel Time(s):	280 (4:40)
85th Percentile Travel Time(s):	399 (6:39)
95th Percentile Travel Time(s):	499 (8:19)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/9/2016 - 2/12/2016

Time Range: 4:00 PM - 6:00 PM

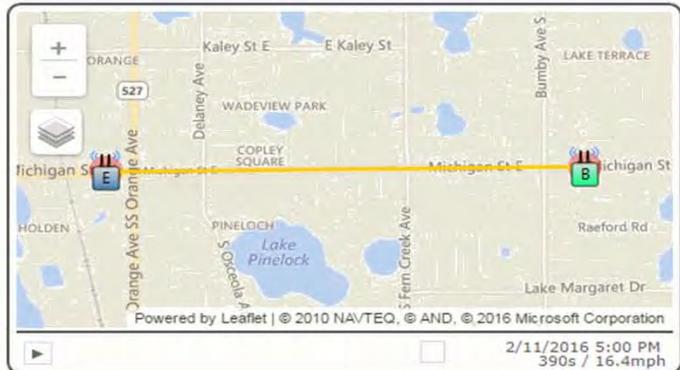
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 16 'B(QC12) to 16 A (QC10)

Trip Distance(mi):	1.78
Expected Travel Time(s):	303 (5:03)
Number of Trips:	17
Mean/Median Speed(mph):	16.9 / 17.3
Mean/Median Travel Time(s):	378.9 (6:18) / 369 (6:09)
Standard Deviation:	110.2
15th Percentile Travel Time(s):	290 (4:50)
85th Percentile Travel Time(s):	454 (7:34)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/11/2016 - 4/15/2016

Time Range: 7:00 AM - 9:00 AM

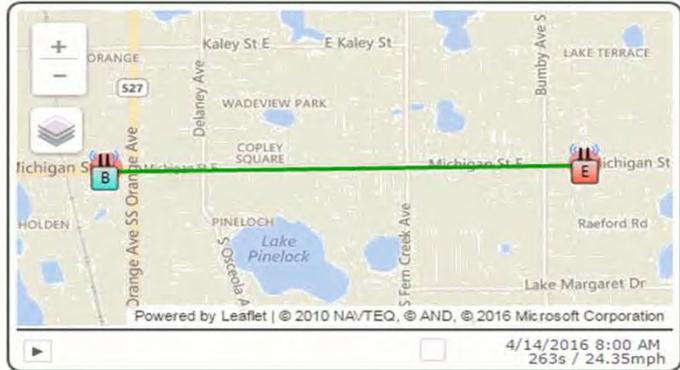
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 16 A (QC05) to 16 B (QC12)

Trip Distance(mi):	1.78
Expected Travel Time(s):	311 (5:11)
Number of Trips:	52
Mean/Median Speed(mph):	19.3 / 25.5
Mean/Median Travel Time(s):	332.5 (5:32) / 251 (4:11)
Standard Deviation:	196.3
15th Percentile Travel Time(s):	184 (3:04)
85th Percentile Travel Time(s):	609 (10:09)
95th Percentile Travel Time(s):	810 (13:30)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/11/2016 - 4/15/2016

Time Range: 4:00 PM - 6:00 PM

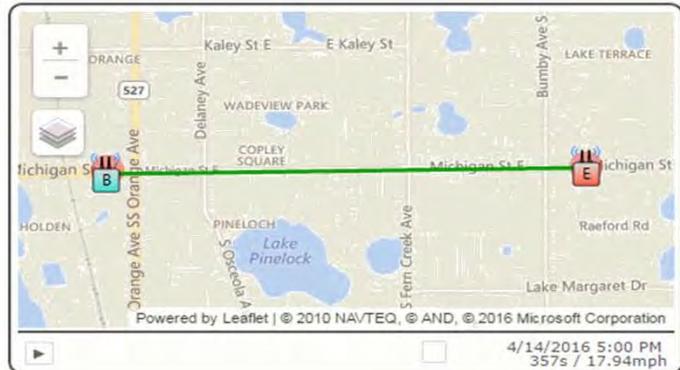
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 16 A (QC05) to 16 B (QC12)

Trip Distance(mi):	1.78
Expected Travel Time(s):	311 (5:11)
Number of Trips:	105
Mean/Median Speed(mph):	15.6 / 17.8
Mean/Median Travel Time(s):	411.6 (6:51) / 359 (5:59)
Standard Deviation:	166.1
15th Percentile Travel Time(s):	315 (5:15)
85th Percentile Travel Time(s):	506 (8:26)
95th Percentile Travel Time(s):	820 (13:40)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/11/2016 - 4/15/2016

Time Range: 7:00 AM - 9:00 AM

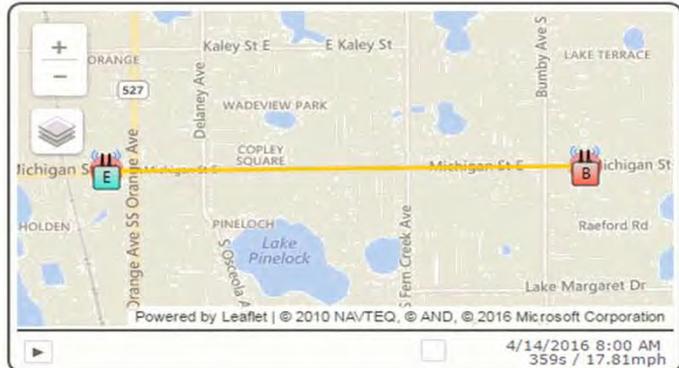
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 16 B (QC12) to 16 A (QC05)

Trip Distance(mi):	1.78
Expected Travel Time(s):	303 (5:03)
Number of Trips:	92
Mean/Median Speed(mph):	17 / 17.5
Mean/Median Travel Time(s):	375.9 (6:15) / 365 (6:05)
Standard Deviation:	97.2
15th Percentile Travel Time(s):	300 (5:00)
85th Percentile Travel Time(s):	427 (7:07)
95th Percentile Travel Time(s):	482 (8:02)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 4/11/2016 - 4/15/2016

Time Range: 4:00 PM - 6:00 PM

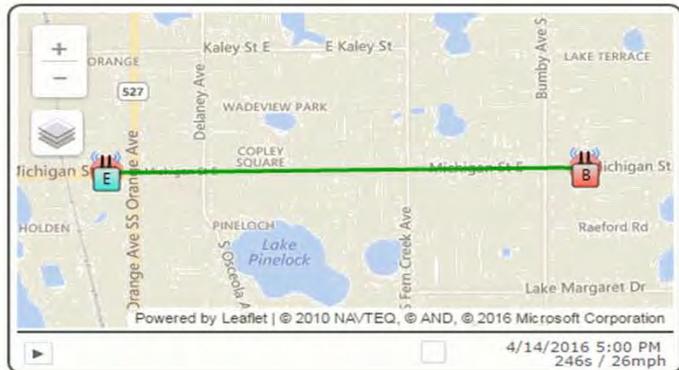
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 1020s

## 16 B (QC12) to 16 A (QC05)

Trip Distance(mi):	1.78
Expected Travel Time(s):	303 (5:03)
Number of Trips:	37
Mean/Median Speed(mph):	21.5 / 23.3
Mean/Median Travel Time(s):	296.9 (4:56) / 274 (4:34)
Standard Deviation:	127.5
15th Percentile Travel Time(s):	181 (3:01)
85th Percentile Travel Time(s):	482 (8:02)
95th Percentile Travel Time(s):	601 (10:01)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/14/2016 - 3/18/2016

Time Range: 7:00 AM - 9:00 AM

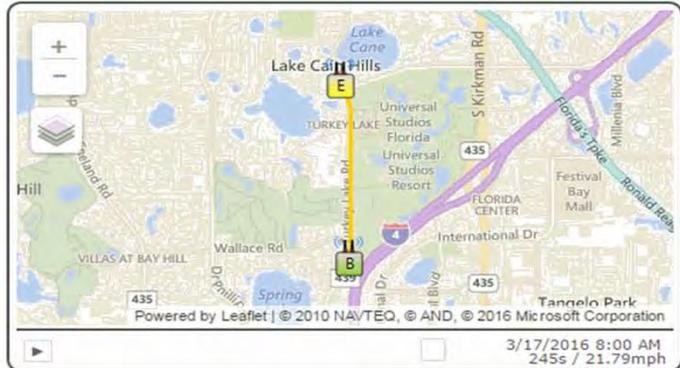
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

### 17 A (QC07) tc 17 B (QC06)

Trip Distance(mi):	1.48
Expected Travel Time(s):	181 (3:01)
Number of Trips:	23
Mean/Median Speed(mph):	22.8 / 22.7
Mean/Median Travel Time(s):	233.8 (3:53) / 235 (3:55)
Standard Deviation:	42.8
15th Percentile Travel Time(s):	199 (3:19)
85th Percentile Travel Time(s):	257 (4:17)
95th Percentile Travel Time(s):	299 (4:59)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/14/2016 - 3/18/2016

Time Range: 4:00 PM - 6:00 PM

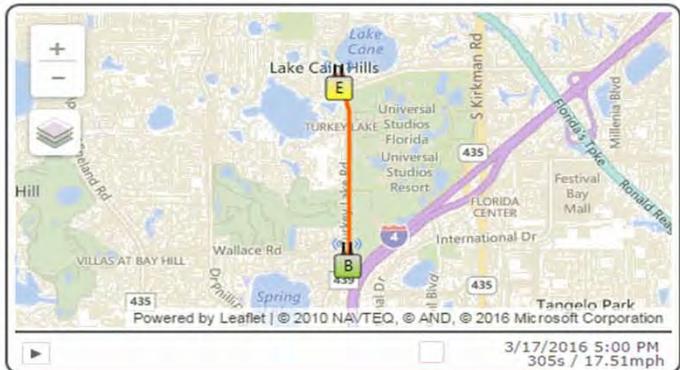
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

### 17 A (QC07) tc 17 B (QC06)

Trip Distance(mi):	1.48
Expected Travel Time(s):	181 (3:01)
Number of Trips:	37
Mean/Median Speed(mph):	19.7 / 20.3
Mean/Median Travel Time(s):	270.8 (4:30) / 263 (4:23)
Standard Deviation:	81.2
15th Percentile Travel Time(s):	199 (3:19)
85th Percentile Travel Time(s):	364 (6:04)
95th Percentile Travel Time(s):	458 (7:38)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/14/2016 - 3/18/2016

Time Range: 7:00 AM - 9:00 AM

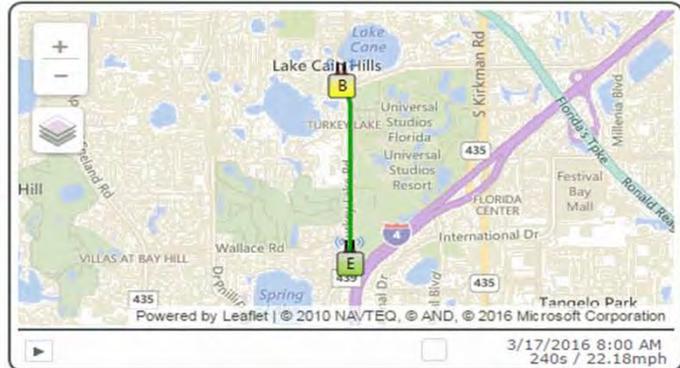
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

## 17 B (QC06) to 17 A (QC07)

Trip Distance(mi):	1.48
Expected Travel Time(s):	183 (3:03)
Number of Trips:	42
Mean/Median Speed(mph):	22.8 / 23.1
Mean/Median Travel Time(s):	233 (3:53) / 230.5 (3:50)
Standard Deviation:	64.5
15th Percentile Travel Time(s):	177 (2:57)
85th Percentile Travel Time(s):	286 (4:46)
95th Percentile Travel Time(s):	336 (5:36)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/14/2016 - 3/18/2016

Time Range: 4:00 PM - 6:00 PM

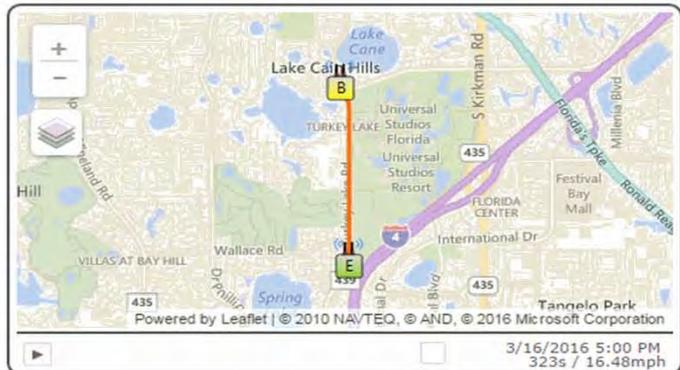
Day(s) Selection: Tuesday, Wednesday

Travel Time Range: 30s - 510s

## 17 B (QC06) to 17 A (QC07)

Trip Distance(mi):	1.48
Expected Travel Time(s):	183 (3:03)
Number of Trips:	13
Mean/Median Speed(mph):	19.8 / 20.3
Mean/Median Travel Time(s):	268.6 (4:28) / 262 (4:22)
Standard Deviation:	74.1
15th Percentile Travel Time(s):	202 (3:22)
85th Percentile Travel Time(s):	365 (6:05)
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

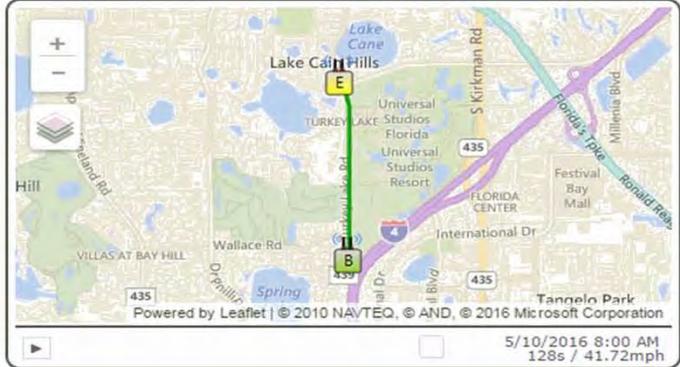


The following filter settings have been applied to this report.  
 Date Range: **5/5/2016 - 5/10/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 17 A (QC03) tc 17 B (QC20)

Trip Distance(mi):	<b>1.48</b>
Expected Travel Time(s):	<b>181 (3:01)</b>
Number of Trips:	<b>10</b>
Mean/Median Speed(mph):	<b>30.8 / 33.1</b>
Mean/Median Travel Time(s):	<b>173.3 (2:53) / 161.5 (2:41)</b>
Standard Deviation:	<b>57.8</b>
15th Percentile Travel Time(s):	<b>128 (2:08)</b>
85th Percentile Travel Time(s):	<b>234 (3:54)</b>
95th Percentile Travel Time(s):	<b>N/A</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

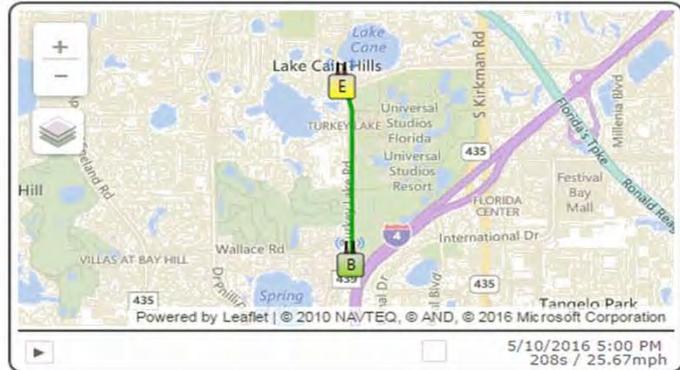


The following filter settings have been applied to this report.  
 Date Range: **5/5/2016 - 5/10/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 17 A (QC03) tc 17 B (QC20)

Trip Distance(mi):	<b>1.48</b>
Expected Travel Time(s):	<b>181 (3:01)</b>
Number of Trips:	<b>33</b>
Mean/Median Speed(mph):	<b>24.1 / 25</b>
Mean/Median Travel Time(s):	<b>221.8 (3:41) / 214 (3:34)</b>
Standard Deviation:	<b>74.8</b>
15th Percentile Travel Time(s):	<b>146 (2:26)</b>
85th Percentile Travel Time(s):	<b>308 (5:08)</b>
95th Percentile Travel Time(s):	<b>404 (6:44)</b>

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/5/2016 - 5/10/2016

Time Range: 7:00 AM - 9:00 AM

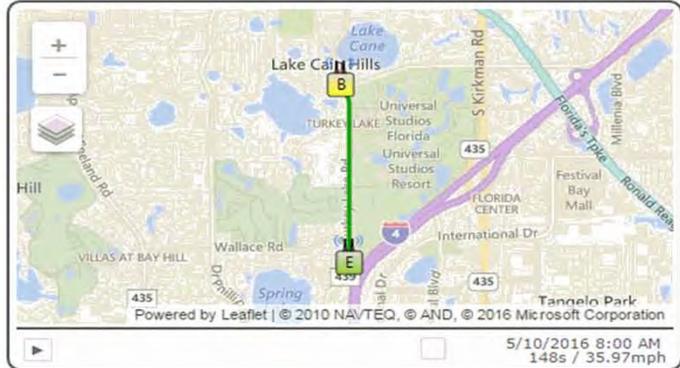
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

## 17 B (QC20) to 17 A (QC03)

Trip Distance(mi):	1.48
Expected Travel Time(s):	183 (3:03)
Number of Trips:	36
Mean/Median Speed(mph):	25.2 / 25.2
Mean/Median Travel Time(s):	210.9 (3:30) / 211.5 (3:31)
Standard Deviation:	58.8
15th Percentile Travel Time(s):	148 (2:28)
85th Percentile Travel Time(s):	253 (4:13)
95th Percentile Travel Time(s):	340 (5:40)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/5/2016 - 5/10/2016

Time Range: 4:00 PM - 6:00 PM

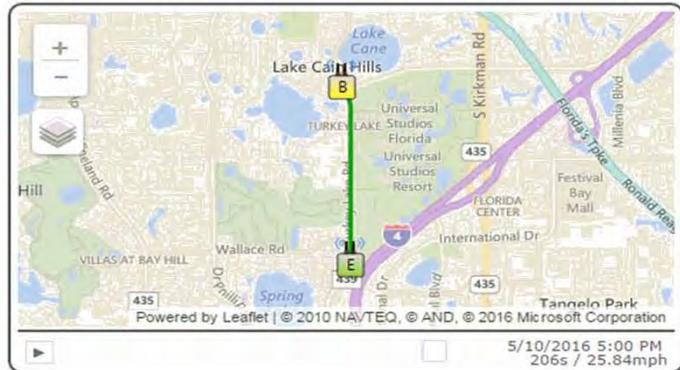
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 510s

## 17 B (QC20) to 17 A (QC03)

Trip Distance(mi):	1.48
Expected Travel Time(s):	183 (3:03)
Number of Trips:	24
Mean/Median Speed(mph):	28 / 29.7
Mean/Median Travel Time(s):	190.3 (3:10) / 179.5 (2:59)
Standard Deviation:	78.3
15th Percentile Travel Time(s):	130 (2:10)
85th Percentile Travel Time(s):	230 (3:50)
95th Percentile Travel Time(s):	282 (4:42)

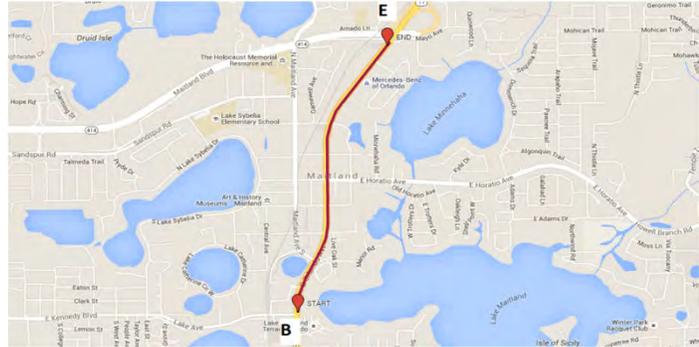
Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 18 NB

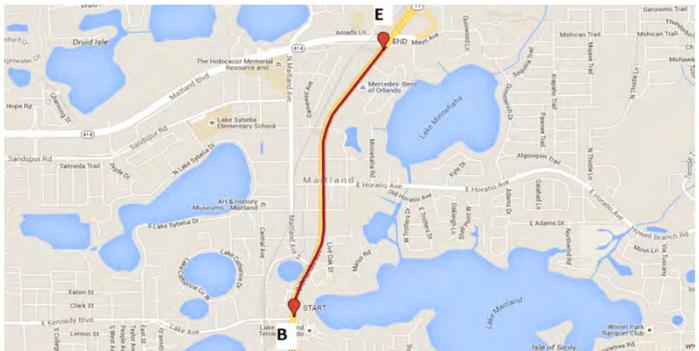
Trip Distance(mi): **1.34**  
Expected Travel Time(s): **121 (02:01)**  
Number of Trips: **18**  
Mean Speed: **23.7**  
Median Speed: **22.8**  
Mean Travel Time: **213 (03:33)**  
Median Travel Time: **212 (03:32)**  
Standard Deviation: **46.0**  
15th Percentile Travel Times: **172 (02:52)**  
85th Percentile Travel Times: **265 (04:25)**  
95th Percentile Travel Times: **287 (04:47)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 18 NB

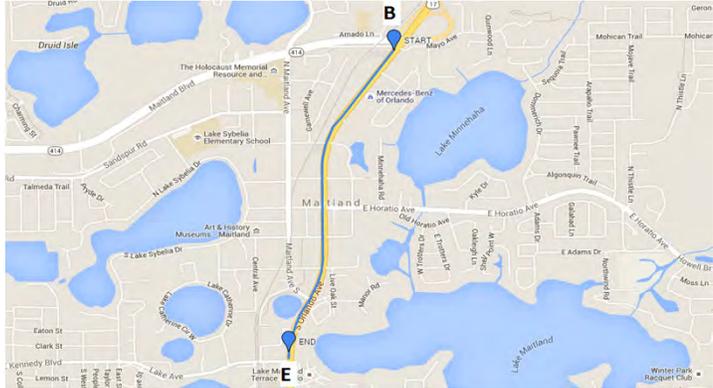
Trip Distance(mi): **1.34**  
Expected Travel Time(s): **121 (02:01)**  
Number of Trips: **18**  
Mean Speed: **18.4**  
Median Speed: **18.2**  
Mean Travel Time: **280 (04:40)**  
Median Travel Time: **266 (04:26)**  
Standard Deviation: **74.6**  
15th Percentile Travel Times: **206 (03:26)**  
85th Percentile Travel Times: **369 (06:09)**  
95th Percentile Travel Times: **395 (06:35)**



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 18 SB

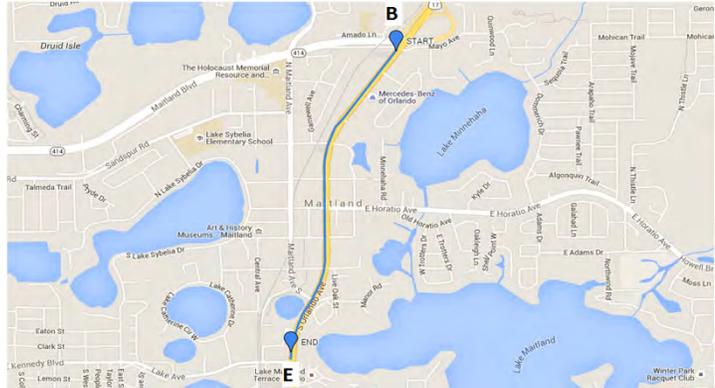
Trip Distance(mi): **1.34**  
Expected Travel Time(s): **107 (01:47)**  
Number of Trips: **19**  
Mean Speed: **16.1**  
Median Speed: **15.5**  
Mean Travel Time: **326 (05:26)**  
Median Travel Time: **311 (05:11)**  
Standard Deviation: **87.2**  
15th Percentile Travel Times: **253 (04:13)**  
85th Percentile Travel Times: **422 (07:02)**  
95th Percentile Travel Times: **478 (07:58)**



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 18 SB

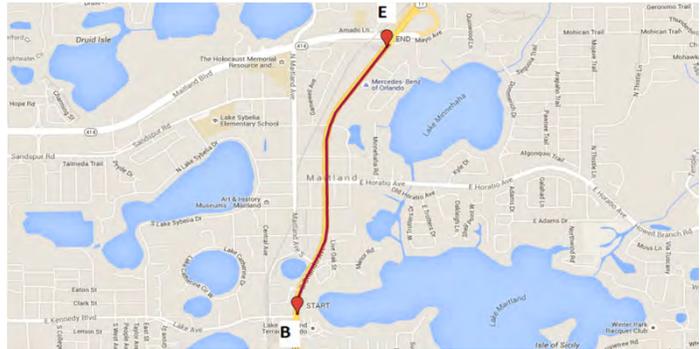
Trip Distance(mi): **1.34**  
Expected Travel Time(s): **107 (01:47)**  
Number of Trips: **18**  
Mean Speed: **20.8**  
Median Speed: **20.2**  
Mean Travel Time: **247 (04:07)**  
Median Travel Time: **239 (03:59)**  
Standard Deviation: **65.6**  
15th Percentile Travel Times: **186 (03:06)**  
85th Percentile Travel Times: **307 (05:07)**  
95th Percentile Travel Times: **380 (06:20)**



Date Range: 1/28/2016  
Time Range: 7:00 AM - 9:00 AM

## 18 NB

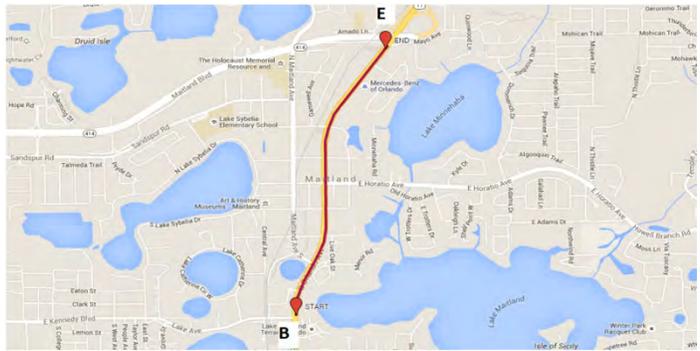
Trip Distance(mi):	<b>1.34</b>
Expected Travel Time(s):	<b>121 (02:01)</b>
Number of Trips:	<b>22</b>
Mean Speed:	<b>24.2</b>
Median Speed:	<b>23.2</b>
Mean Travel Time:	<b>207 (03:27)</b>
Median Travel Time:	<b>208 (03:28)</b>
Standard Deviation:	<b>41.4</b>
15th Percentile Travel Times:	<b>169 (02:49)</b>
85th Percentile Travel Times:	<b>242 (04:02)</b>
95th Percentile Travel Times:	<b>274 (04:34)</b>



Date Range: 1/28/2016  
Time Range: 4:00 PM - 6:00 PM

## 18 NB

Trip Distance(mi):	<b>1.34</b>
Expected Travel Time(s):	<b>121 (02:01)</b>
Number of Trips:	<b>18</b>
Mean Speed:	<b>21.2</b>
Median Speed:	<b>21.8</b>
Mean Travel Time:	<b>235 (03:55)</b>
Median Travel Time:	<b>222 (03:42)</b>
Standard Deviation:	<b>47.5</b>
15th Percentile Travel Times:	<b>203 (03:23)</b>
85th Percentile Travel Times:	<b>279 (04:39)</b>
95th Percentile Travel Times:	<b>310 (05:10)</b>





The following filter settings have been applied to this report.

Date Range: **12/14/2015 - 12/18/2015**

Time Range: **7:00 AM - 9:00 AM**

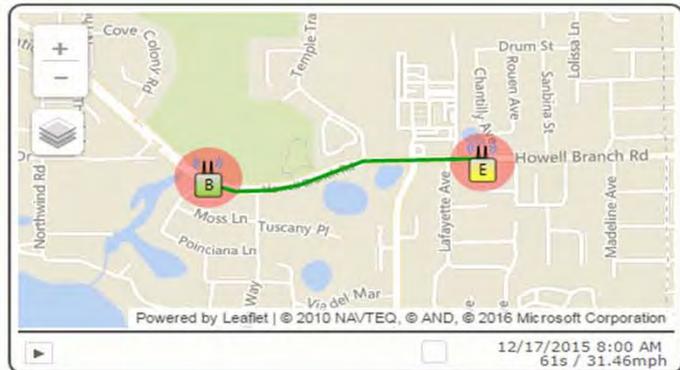
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 210s**

## 19 A (QC02) to 19 B (QC19)

Trip Distance(mi):	<b>0.53</b>
Expected Travel Time(s):	<b>58</b>
Number of Trips:	<b>91</b>
Mean/Median Speed(mph):	<b>25.4 / 25.9</b>
Mean/Median Travel Time(s):	<b>75.7 (1:15) / 74 (1:14)</b>
Standard Deviation:	<b>18.7</b>
15th Percentile Travel Time(s):	<b>57</b>
85th Percentile Travel Time(s):	<b>96 (1:36)</b>
95th Percentile Travel Time(s):	<b>110 (1:50)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **12/14/2015 - 12/18/2015**

Time Range: **4:00 PM - 6:00 PM**

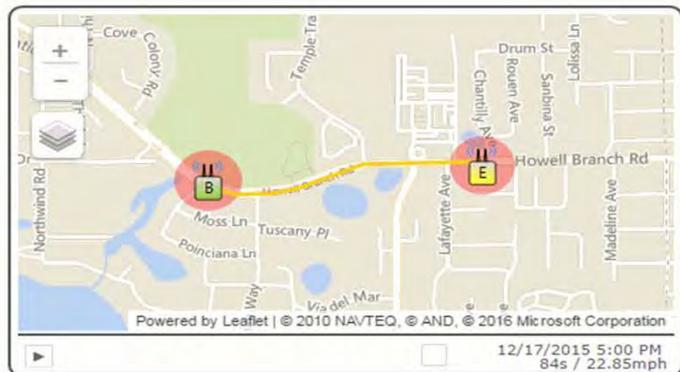
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 210s**

## 19 A (QC02) to 19 B (QC19)

Trip Distance(mi):	<b>0.53</b>
Expected Travel Time(s):	<b>58</b>
Number of Trips:	<b>49</b>
Mean/Median Speed(mph):	<b>21.3 / 23.1</b>
Mean/Median Travel Time(s):	<b>90 (1:29) / 83 (1:23)</b>
Standard Deviation:	<b>29.4</b>
15th Percentile Travel Time(s):	<b>64 (1:04)</b>
85th Percentile Travel Time(s):	<b>120 (2:00)</b>
95th Percentile Travel Time(s):	<b>149 (2:29)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **12/14/2015 - 12/18/2015**

Time Range: **7:00 AM - 9:00 AM**

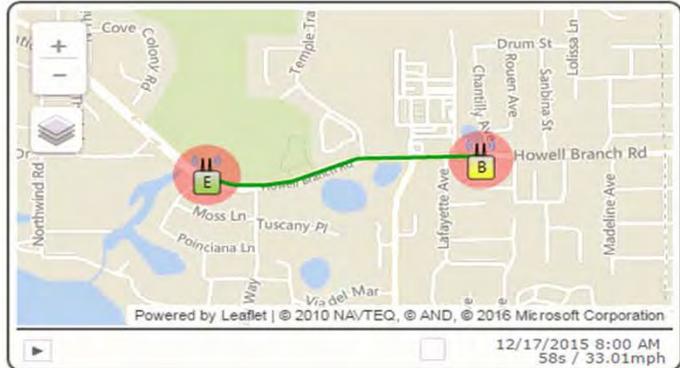
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 210s**

## 19 B (QC19) to 19 A (QC02)

Trip Distance(mi):	<b>0.53</b>
Expected Travel Time(s):	<b>72 (1:12)</b>
Number of Trips:	<b>115</b>
Mean/Median Speed(mph):	<b>39.4 / 44.5</b>
Mean/Median Travel Time(s):	<b>48.54 / 43</b>
Standard Deviation:	<b>15.7</b>
15th Percentile Travel Time(s):	<b>34</b>
85th Percentile Travel Time(s):	<b>64 (1:04)</b>
95th Percentile Travel Time(s):	<b>79 (1:19)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **12/14/2015 - 12/18/2015**

Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 210s**

## 19 B (QC19) to 19 A (QC02)

Trip Distance(mi):	<b>0.53</b>
Expected Travel Time(s):	<b>72 (1:12)</b>
Number of Trips:	<b>66</b>
Mean/Median Speed(mph):	<b>36.2 / 38.3</b>
Mean/Median Travel Time(s):	<b>52.91 / 50</b>
Standard Deviation:	<b>17</b>
15th Percentile Travel Time(s):	<b>37</b>
85th Percentile Travel Time(s):	<b>66 (1:06)</b>
95th Percentile Travel Time(s):	<b>83 (1:23)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

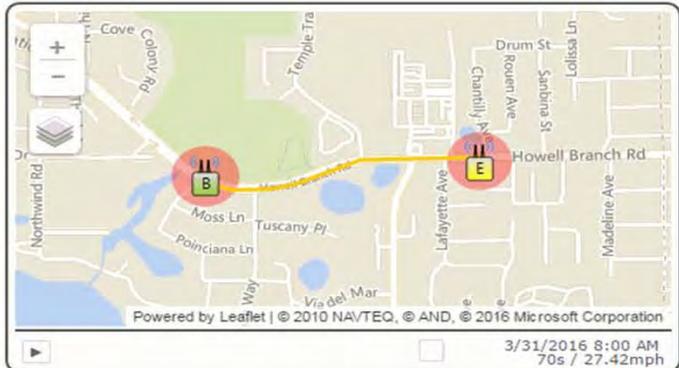


The following filter settings have been applied to this report.  
 Date Range: 3/31/2016 - 4/1/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 210s

### 19 A (QC18) to 19 B (QC03)

Trip Distance(mi):	0.53
Expected Travel Time(s):	58
Number of Trips:	68
Mean/Median Speed(mph):	27.1 / 27.4
Mean/Median Travel Time(s):	70.9 (1:10) / 70 (1:10)
Standard Deviation:	20.6
15th Percentile Travel Time(s):	49
85th Percentile Travel Time(s):	90 (1:30)
95th Percentile Travel Time(s):	112 (1:52)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: 3/31/2016 - 4/1/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 210s

### 19 A (QC18) to 19 B (QC03)

Trip Distance(mi):	0.53
Expected Travel Time(s):	58
Number of Trips:	107
Mean/Median Speed(mph):	24.6 / 24.6
Mean/Median Travel Time(s):	77.9 (1:17) / 78 (1:18)
Standard Deviation:	20
15th Percentile Travel Time(s):	53
85th Percentile Travel Time(s):	97 (1:37)
95th Percentile Travel Time(s):	107 (1:47)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

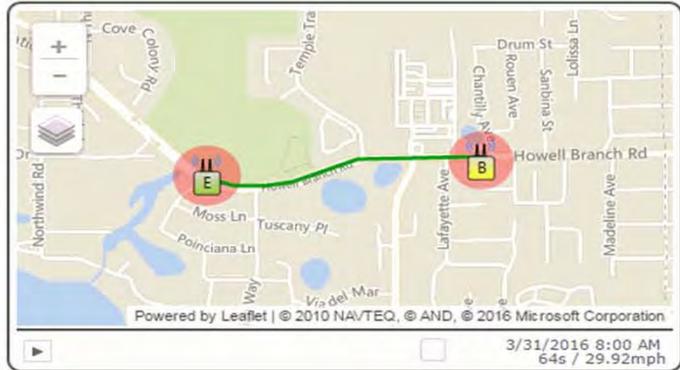


The following filter settings have been applied to this report.  
 Date Range: 3/31/2016 - 4/1/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 210s

### 19 B (QC03) to 19 A (QC18)

Trip Distance(mi):	0.53
Expected Travel Time(s):	72 (1:12)
Number of Trips:	114
Mean/Median Speed(mph):	29.5 / 29.5
Mean/Median Travel Time(s):	65 (1:04) / 65 (1:05)
Standard Deviation:	16
15th Percentile Travel Time(s):	46
85th Percentile Travel Time(s):	83 (1:23)
95th Percentile Travel Time(s):	90 (1:30)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

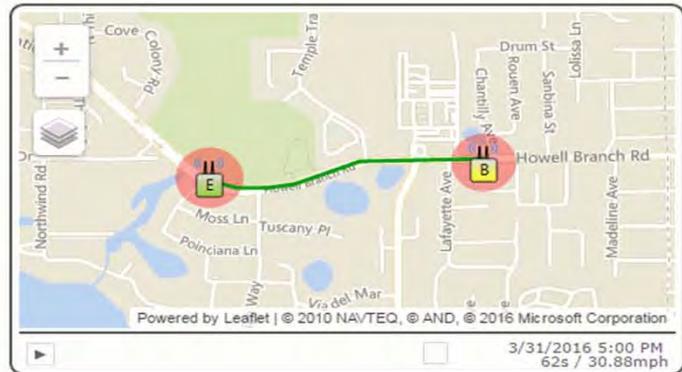


The following filter settings have been applied to this report.  
 Date Range: 3/31/2016 - 4/1/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 210s

### 19 B (QC03) to 19 A (QC18)

Trip Distance(mi):	0.53
Expected Travel Time(s):	72 (1:12)
Number of Trips:	55
Mean/Median Speed(mph):	29.7 / 32.5
Mean/Median Travel Time(s):	64.5 (1:04) / 59
Standard Deviation:	22.3
15th Percentile Travel Time(s):	47
85th Percentile Travel Time(s):	85 (1:25)
95th Percentile Travel Time(s):	96 (1:36)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/29/2016 - 3/4/2016**

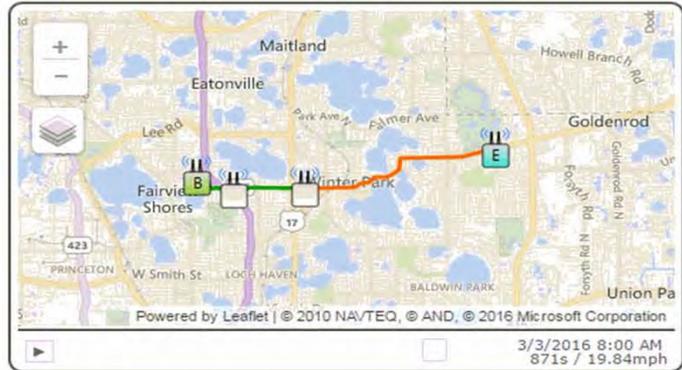
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 20 A (QC13) to 20 D (QC06)

Trip Distance(mi):	<b>4.8</b>
Expected Travel Time(s):	<b>874 (14:34)</b>
Number of Trips:	<b>334</b>
Mean/Median Speed(mph):	<b>20.4 / 20.3</b>
Mean/Median Travel Time(s):	<b>847.1 (14:07) / 851.8 (14:11)</b>
Standard Deviation:	<b>66.8</b>
15th Percentile Travel Time(s):	<b>775 (12:55)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/29/2016 - 3/4/2016**

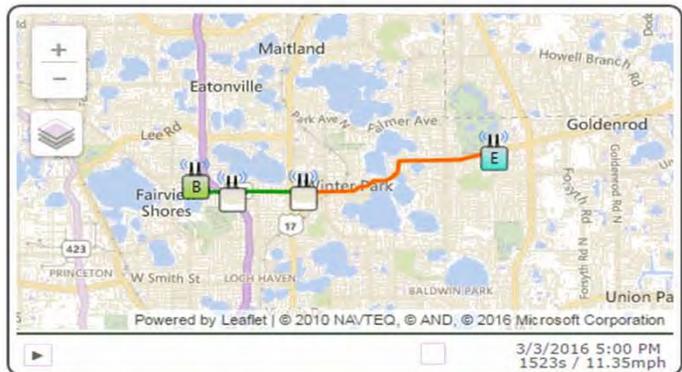
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 20 A (QC13) to 20 D (QC06)

Trip Distance(mi):	<b>4.8</b>
Expected Travel Time(s):	<b>874 (14:34)</b>
Number of Trips:	<b>292</b>
Mean/Median Speed(mph):	<b>11.4 / 12.7</b>
Mean/Median Travel Time(s):	<b>1517.3 (25:17) / 1362 (22:42)</b>
Standard Deviation:	<b>514.8</b>
15th Percentile Travel Time(s):	<b>1239 (20:39)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/29/2016 - 3/4/2016**

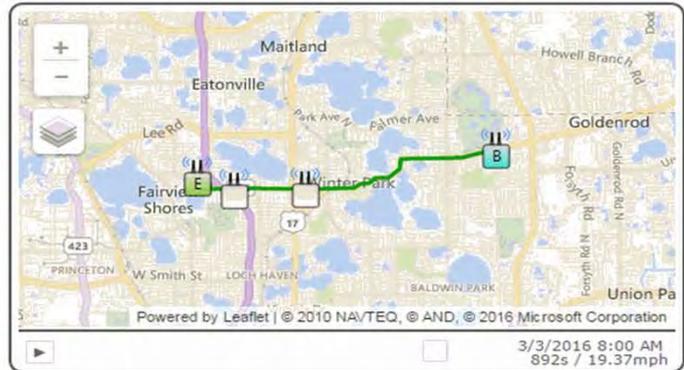
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 20 D (QC06) to 20 A (QC13)

Trip Distance(mi):	<b>4.8</b>
Expected Travel Time(s):	<b>796 (13:16)</b>
Number of Trips:	<b>303</b>
Mean/Median Speed(mph):	<b>19.1 / 19.4</b>
Mean/Median Travel Time(s):	<b>903.6 (15:03) / 891 (14:51)</b>
Standard Deviation:	<b>54.7</b>
15th Percentile Travel Time(s):	<b>888 (14:48)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/29/2016 - 3/4/2016**

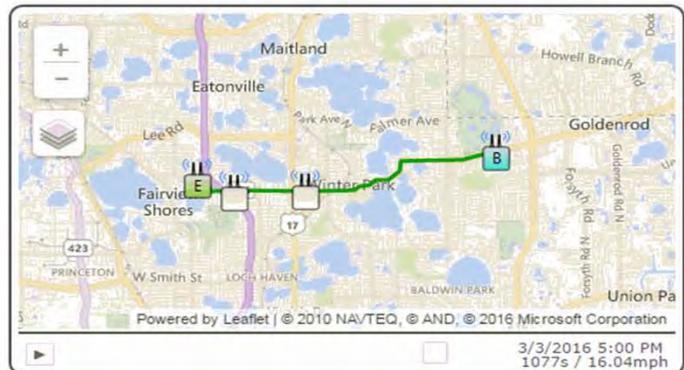
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 20 D (QC06) to 20 A (QC13)

Trip Distance(mi):	<b>4.8</b>
Expected Travel Time(s):	<b>796 (13:16)</b>
Number of Trips:	<b>344</b>
Mean/Median Speed(mph):	<b>16.9 / 18.7</b>
Mean/Median Travel Time(s):	<b>1019.9 (16:59) / 926.5 (15:26)</b>
Standard Deviation:	<b>281</b>
15th Percentile Travel Time(s):	<b>837 (13:57)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

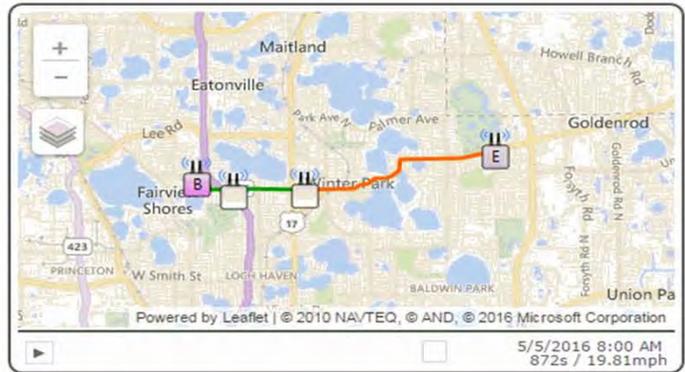


The following filter settings have been applied to this report.  
 Date Range: **5/2/2016 - 5/6/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 20 A (QC12) to 20 D (QC07)

Trip Distance(mi):	<b>4.8</b>
Expected Travel Time(s):	<b>816 (13:36)</b>
Number of Trips:	<b>347</b>
Mean/Median Speed(mph):	<b>22 / 22.5</b>
Mean/Median Travel Time(s):	<b>783.8 (13:03) / 767.3 (12:47)</b>
Standard Deviation:	<b>45.9</b>
15th Percentile Travel Time(s):	<b>758 (12:38)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

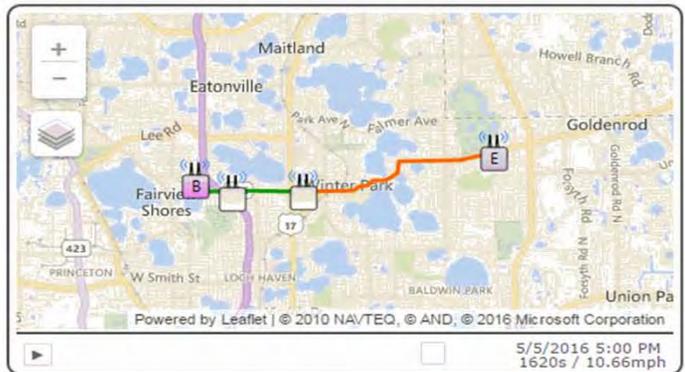


The following filter settings have been applied to this report.  
 Date Range: **5/2/2016 - 5/6/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 20 A (QC12) to 20 D (QC07)

Trip Distance(mi):	<b>4.8</b>
Expected Travel Time(s):	<b>816 (13:36)</b>
Number of Trips:	<b>280</b>
Mean/Median Speed(mph):	<b>14.7 / 16</b>
Mean/Median Travel Time(s):	<b>1178.1 (19:38) / 1082.5 (18:02)</b>
Standard Deviation:	<b>384.7</b>
15th Percentile Travel Time(s):	<b>837.5 (13:57)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/2/2016 - 5/6/2016

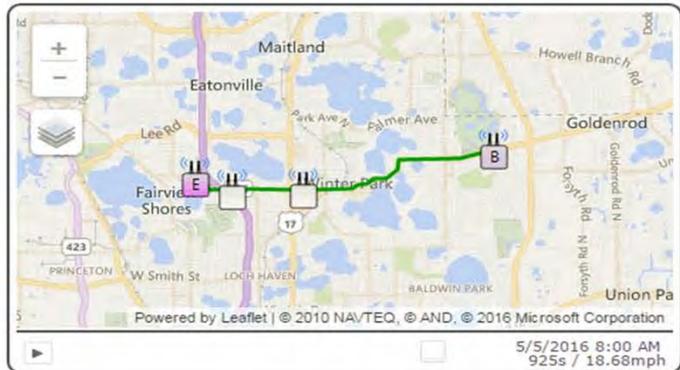
Time Range: 7:00 AM - 9:00 AM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 20 D (QC07) to 20 A (QC12)

Trip Distance(mi):	4.8
Expected Travel Time(s):	796 (13:16)
Number of Trips:	351
Mean/Median Speed(mph):	21.2 / 21.6
Mean/Median Travel Time(s):	813.8 (13:33) / 798.8 (13:18)
Standard Deviation:	58.5
15th Percentile Travel Time(s):	773 (12:53)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 5/2/2016 - 5/6/2016

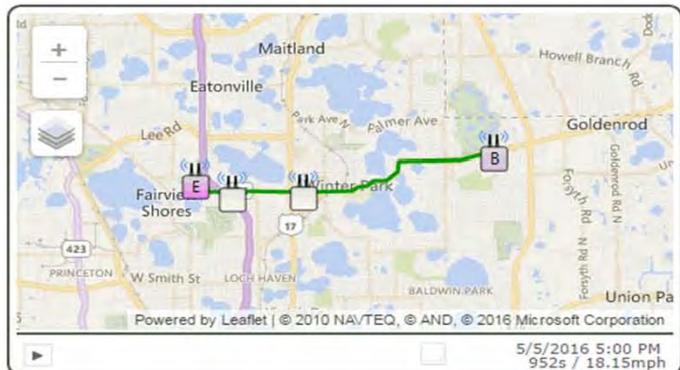
Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 20 D (QC07) to 20 1A (QC12)

Trip Distance(mi):	4.8
Expected Travel Time(s):	796 (13:16)
Number of Trips:	492
Mean/Median Speed(mph):	20.3 / 20.5
Mean/Median Travel Time(s):	850.6 (14:10) / 842.5 (14:02)
Standard Deviation:	57.6
15th Percentile Travel Time(s):	831.5 (13:51)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

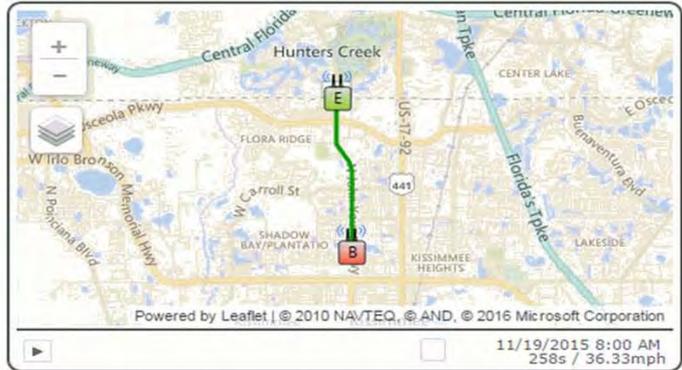


The following filter settings have been applied to this report.  
 Date Range: **11/17/2015 - 11/20/2015**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 720s**

21A (DIGI12) to 21B (DIGI46)

Trip Distance(mi):	2.6
Expected Travel Time(s):	263 (4:23)
Number of Trips:	135
Mean/Median Speed(mph):	31.9 / 33.4
Mean/Median Travel Time(s):	294.1 (4:54) / 281 (4:41)
Standard Deviation:	98.1
15th Percentile Travel Time(s):	215 (3:35)
85th Percentile Travel Time(s):	371 (6:11)
95th Percentile Travel Time(s):	426 (7:06)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

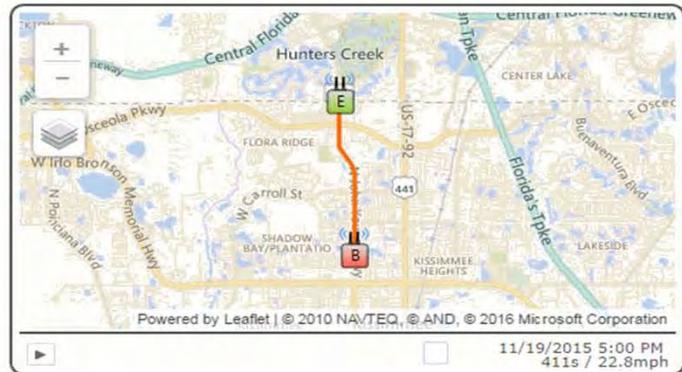


The following filter settings have been applied to this report.  
 Date Range: **11/17/2015 - 11/20/2015**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 720s**

21A (DIGI12) to 21B (DIGI46)

Trip Distance(mi):	2.6
Expected Travel Time(s):	263 (4:23)
Number of Trips:	117
Mean/Median Speed(mph):	25.6 / 26
Mean/Median Travel Time(s):	366.3 (6:06) / 361 (6:01)
Standard Deviation:	84.3
15th Percentile Travel Time(s):	290 (4:50)
85th Percentile Travel Time(s):	427 (7:07)
95th Percentile Travel Time(s):	527 (8:47)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **11/17/2015 - 11/20/2015**

Time Range: **7:00 AM - 9:00 AM**

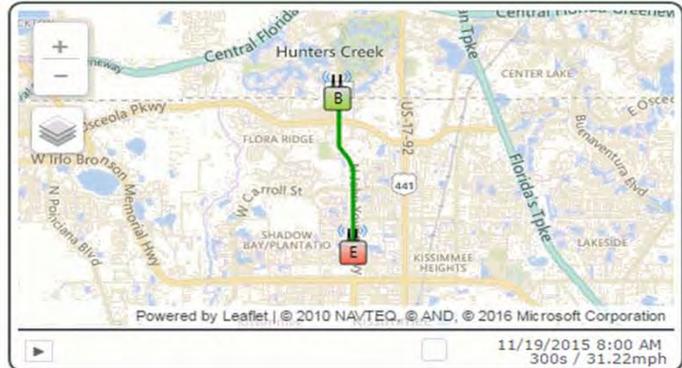
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 720s**

## 21B (DIGI46) to 21A (DIGI12)

Trip Distance(mi):	2.6
Expected Travel Time(s):	273 (4:33)
Number of Trips:	116
Mean/Median Speed(mph):	29.1 / 29.7
Mean/Median Travel Time(s):	321.5 (5:21) / 315 (5:15)
Standard Deviation:	66.9
15th Percentile Travel Time(s):	272 (4:32)
85th Percentile Travel Time(s):	356 (5:56)
95th Percentile Travel Time(s):	414 (6:54)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **11/17/2015 - 11/20/2015**

Time Range: **4:00 PM - 6:00 PM**

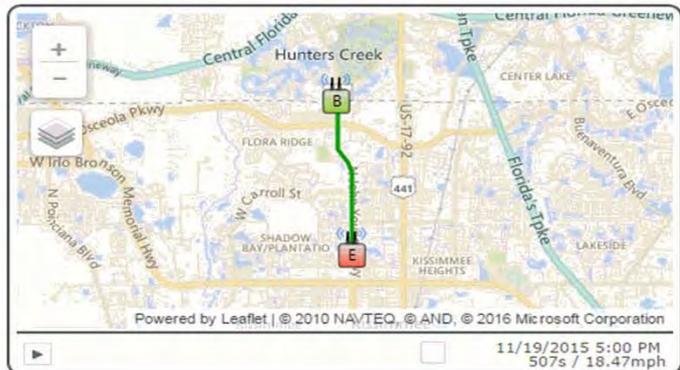
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 720s**

## 21B DIGI46) to 21A (DIGI12)

Trip Distance(mi):	2.6
Expected Travel Time(s):	273 (4:33)
Number of Trips:	170
Mean/Median Speed(mph):	19.9 / 19.6
Mean/Median Travel Time(s):	471.4 (7:51) / 477.5 (7:57)
Standard Deviation:	72.6
15th Percentile Travel Time(s):	385 (6:25)
85th Percentile Travel Time(s):	527 (8:47)
95th Percentile Travel Time(s):	594 (9:54)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/1/2016 - 2/5/2016

Time Range: 7:00 AM - 9:00 AM

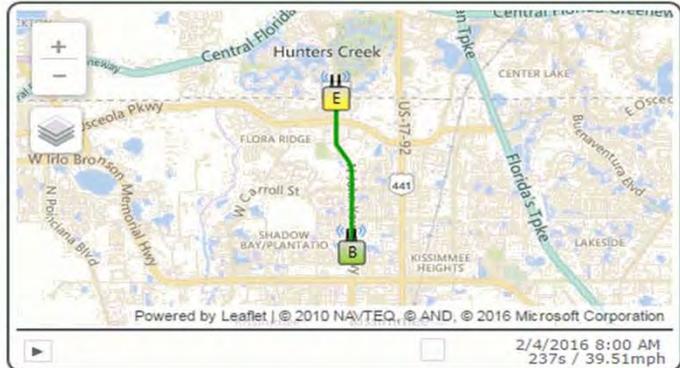
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 720s

## 21A (QC12) to 21B (QC03)

Trip Distance(mi):	2.6
Expected Travel Time(s):	263 (4:23)
Number of Trips:	97
Mean/Median Speed(mph):	32.2 / 32.3
Mean/Median Travel Time(s):	290.5 (4:50) / 290 (4:50)
Standard Deviation:	70.6
15th Percentile Travel Time(s):	212 (3:32)
85th Percentile Travel Time(s):	355 (5:55)
95th Percentile Travel Time(s):	423 (7:03)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 2/1/2016 - 2/5/2016

Time Range: 4:00 PM - 6:00 PM

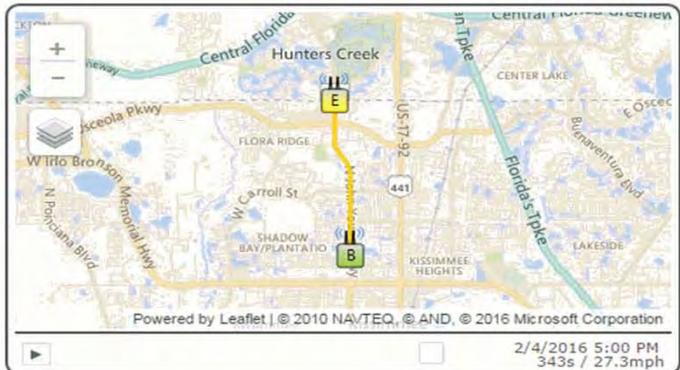
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 720s

## 21A (QC12) to 21B (QC03)

Trip Distance(mi):	2.6
Expected Travel Time(s):	263 (4:23)
Number of Trips:	103
Mean/Median Speed(mph):	30.1 / 31.4
Mean/Median Travel Time(s):	311.6 (5:11) / 298 (4:58)
Standard Deviation:	77.7
15th Percentile Travel Time(s):	252 (4:12)
85th Percentile Travel Time(s):	370 (6:10)
95th Percentile Travel Time(s):	404 (6:44)

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/1/2016 - 2/5/2016**

Time Range: **7:00 AM - 9:00 AM**

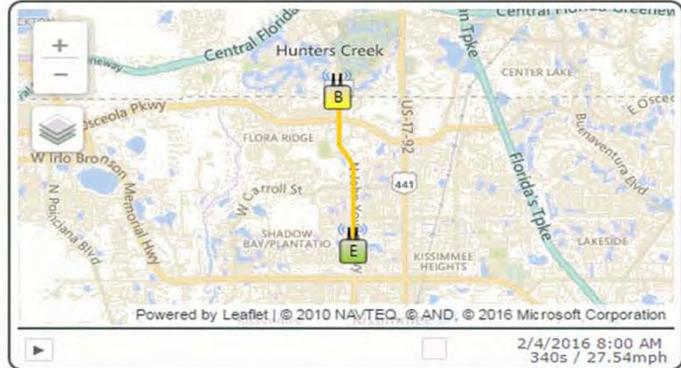
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 720s**

## 21B (QC03) to 21A (QC12)

Distance(mi):	2.6
Expected Travel Time(s):	273 (4:33)
Number of Trips:	120
Mean/Median Speed(mph):	26 / 26.5
Mean/Median Travel Time(s):	360.7 (6:00) / 353 (5:53)
Standard Deviation:	91.4
15th Percentile Travel Time(s):	290 (4:50)
85th Percentile Travel Time(s):	426 (7:06)
95th Percentile Travel Time(s):	524 (8:44)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/1/2016 - 2/5/2016**

Time Range: **4:00 PM - 6:00 PM**

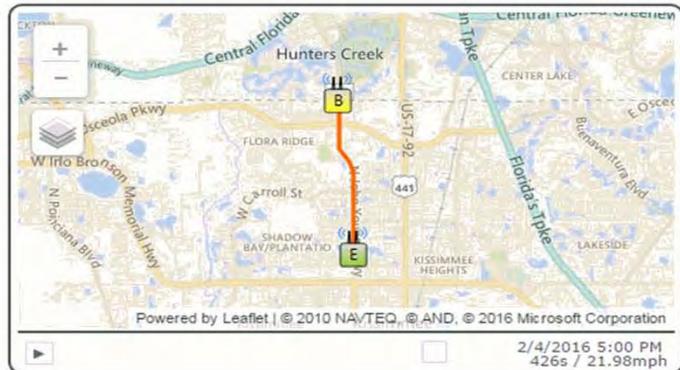
Day(s) Selection: **Tuesday, Wednesday, Thursday**

Travel Time Range: **30s - 720s**

## 21B (QC03) to 21A (QC12)

Distance(mi):	2.6
Expected Travel Time(s):	273 (4:33)
Number of Trips:	171
Mean/Median Speed(mph):	23.5 / 23.9
Mean/Median Travel Time(s):	398.1 (6:38) / 392 (6:32)
Standard Deviation:	81.3
15th Percentile Travel Time(s):	311 (5:11)
85th Percentile Travel Time(s):	477 (7:57)
95th Percentile Travel Time(s):	547 (9:07)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **11/17/2015 - 11/20/2015**

Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 22A (DIGI1) to 22C (DIGI12)

Trip Distance(mi):	<b>2.66</b>
Expected Travel Time(s):	<b>391 (6:31)</b>
Number of Trips:	<b>431</b>
Mean/Median Speed(mph):	<b>19.7 / 19.8</b>
Mean/Median Travel Time(s):	<b>485.5 (8:05) / 483.3 (8:03)</b>
Standard Deviation:	<b>48.9</b>
15th Percentile Travel Time(s):	<b>443.5 (7:23)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **11/17/2015 - 11/20/2015**

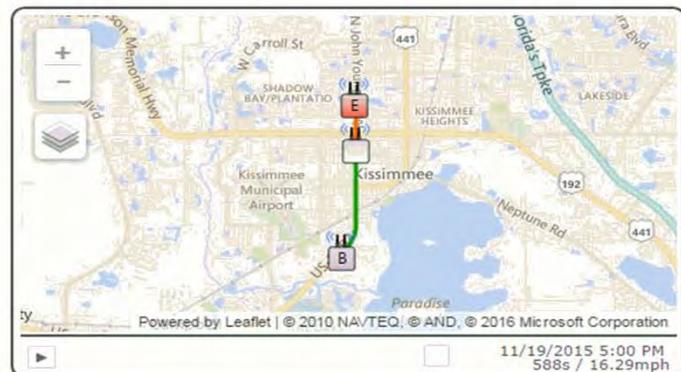
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 22A (DIGI1) to 22C (DIGI12)

Trip Distance(mi):	<b>2.66</b>
Expected Travel Time(s):	<b>391 (6:31)</b>
Number of Trips:	<b>390</b>
Mean/Median Speed(mph):	<b>19.6 / 20.4</b>
Mean/Median Travel Time(s):	<b>488.3 (8:08) / 469.3 (7:49)</b>
Standard Deviation:	<b>88.2</b>
15th Percentile Travel Time(s):	<b>408 (6:48)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 11/17/2015 - 11/20/2015

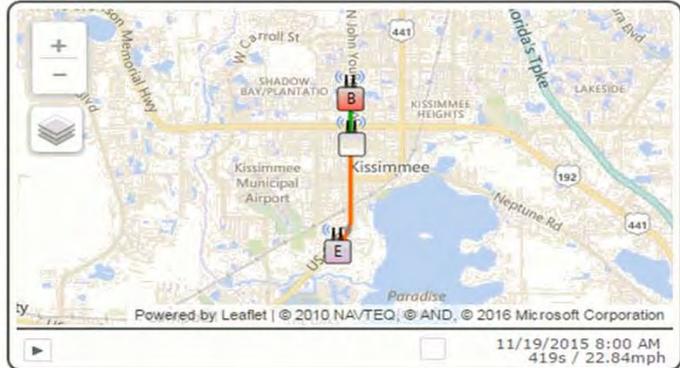
Time Range: 7:00 AM - 9:00 AM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 22C (DIGI12) to 22A (DIGI1)

Trip Distance(m)	2.66
Expected Travel Time(s):	362 (6:02)
Number of Trips:	324
Mean/Median Speed(mph):	23.6 / 23.7
Mean/Median Travel Time(s):	405.9 (6:45) / 403.5 (6:43)
Standard Deviation:	12.6
15th Percentile Travel Time(s):	397 (6:37)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 11/17/2015 - 11/20/2015

Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 22C (DIGI12) to 22A (DIGI1)

Trip Distance(m),	2.66
Expected Travel Time(s):	362 (6:02)
Number of Trips:	394
Mean/Median Speed(mph):	10.2 / 10.2
Mean/Median Travel Time(s):	935.8 (15:35) / 943 (15:43)
Standard Deviation:	47.7
15th Percentile Travel Time(s):	890 (14:50)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/1/2016 - 2/5/2016**

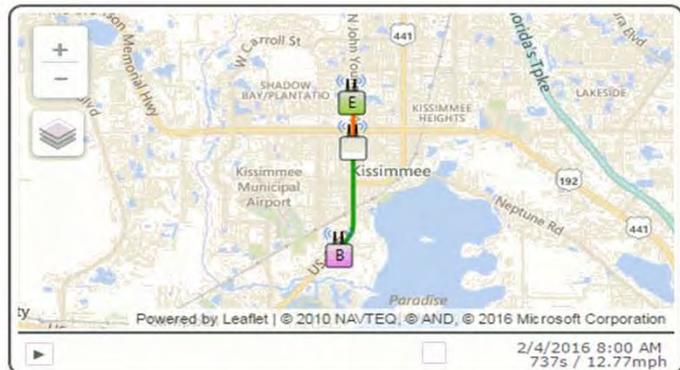
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 22A (QC10) to 22C : (QC12)

Trip Distance(mi):	<b>2.61</b>
Expected Travel Time(s):	<b>386 (6:26)</b>
Number of Trips:	<b>339</b>
Mean/Median Speed(mph):	<b>14.1 / 14.3</b>
Mean/Median Travel Time(s):	<b>665.9 (11:05) / 658.5 (10:58)</b>
Standard Deviation:	<b>96.9</b>
15th Percentile Travel Time(s):	<b>583 (9:43)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/1/2016 - 2/5/2016**

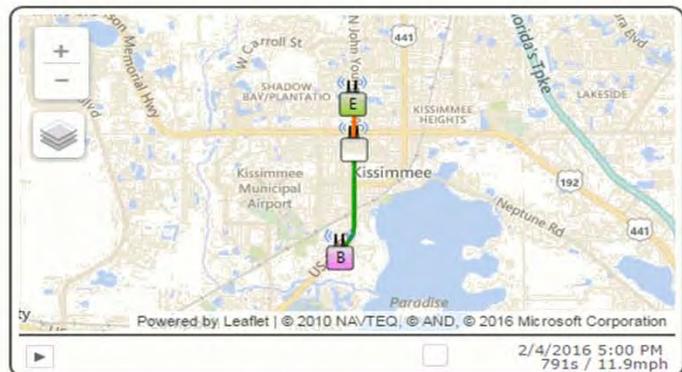
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 22A (QC10) to 22C (QC12)

Trip Distance(mi):	<b>2.61</b>
Expected Travel Time(s):	<b>386 (6:26)</b>
Number of Trips:	<b>340</b>
Mean/Median Speed(mph):	<b>11.1 / 11.2</b>
Mean/Median Travel Time(s):	<b>851.7 (14:11) / 841.8 (14:01)</b>
Standard Deviation:	<b>80.9</b>
15th Percentile Travel Time(s):	<b>789 (13:09)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/1/2016 - 2/5/2016**

Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 22C : (QC12) to 22A (QC10)

Trip Distance(mi):	2.61
Expected Travel Time(s):	352 (5:52)
Number of Trips:	315
Mean/Median Speed(mph):	28 / 27.6
Mean/Median Travel Time(s):	336.2 (5:36) / 341.5 (5:41)
Standard Deviation:	35.6
15th Percentile Travel Time(s):	306.5 (5:06)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **2/1/2016 - 2/5/2016**

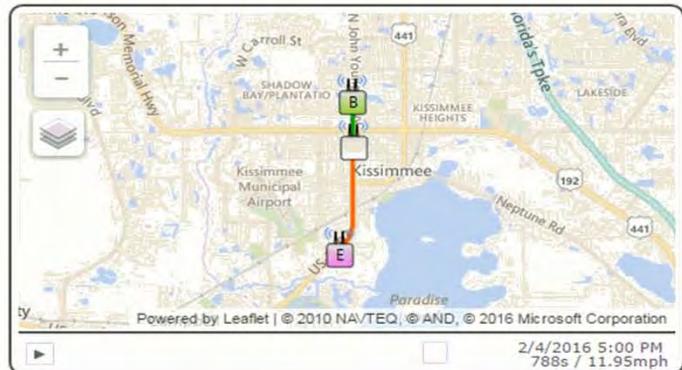
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 22C : (QC12) to 22A (QC10)

Trip Distance(mi):	2.61
Expected Travel Time(s):	352 (5:52)
Number of Trips:	347
Mean/Median Speed(mph):	13.4 / 13.5
Mean/Median Travel Time(s):	702.8 (11:42) / 698.5 (11:38)
Standard Deviation:	137.3
15th Percentile Travel Time(s):	597 (9:57)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

Note: You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/1/2016 - 3/4/2016

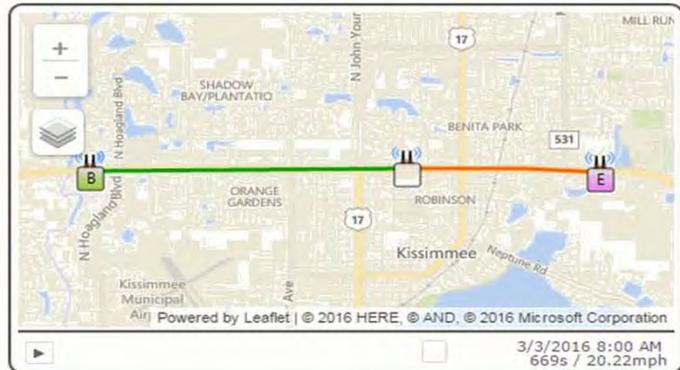
Time Range: 7:00 AM - 9:00 AM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 23'A (QC12) to 23C (QC16)

Trip Distance(mi):	3.76
Expected Travel Time(s):	546 (9:06)
Number of Trips:	280
Mean/Median Speed(mph):	21.4 / 21.5
Mean/Median Travel Time(s):	631.9 (10:31) / 629.8 (10:29)
Standard Deviation:	30.7
15th Percentile Travel Time(s):	616.5 (10:16)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/1/2016 - 3/4/2016

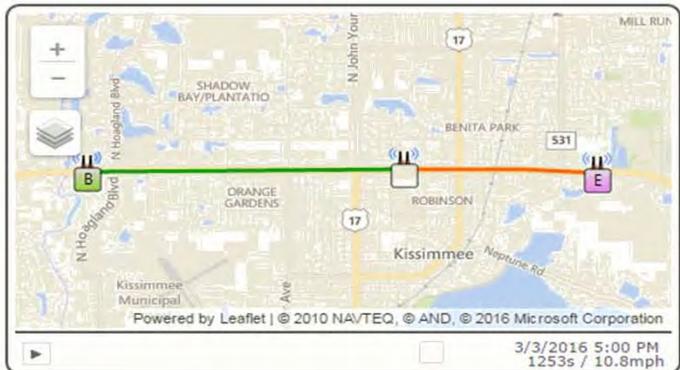
Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

## ROUTE - 23'A (QC12) to 23C (QC16)

Trip Distance(mi):	3.76
Expected Travel Time(s):	546 (9:06)
Number of Trips:	347
Mean/Median Speed(mph):	15 / 15.2
Mean/Median Travel Time(s):	900.3 (15:00) / 893 (14:53)
Standard Deviation:	219.5
15th Percentile Travel Time(s):	698 (11:38)
85th Percentile Travel Time(s):	N/A
95th Percentile Travel Time(s):	N/A

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

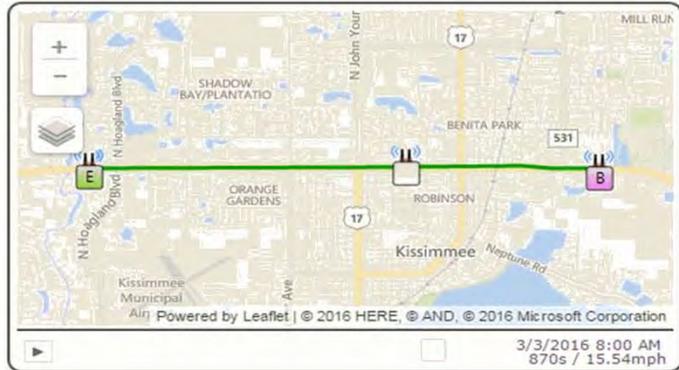


The following filter settings have been applied to this report.  
 Date Range: 3/1/2016 - 3/4/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 23'C (QC16) to 23A (QC12)

Trip Distance(mi):	<b>3.76</b>
Expected Travel Time(s):	<b>478 (7:58)</b>
Number of Trips:	<b>320</b>
Mean/Median Speed(mph):	<b>18 / 18.7</b>
Mean/Median Travel Time(s):	<b>749.3 (12:29) / 721.5 (12:01)</b>
Standard Deviation:	<b>82.5</b>
15th Percentile Travel Time(s):	<b>717 (11:57)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

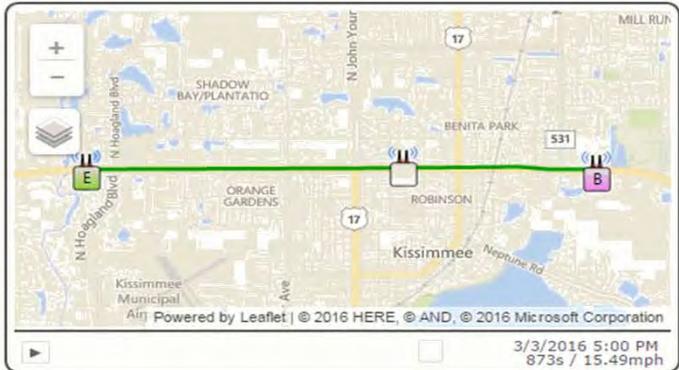


The following filter settings have been applied to this report.  
 Date Range: 3/1/2016 - 3/4/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 23'C (QC16) to 23A (QC12)

Trip Distance(mi):	<b>3.76</b>
Expected Travel Time(s):	<b>478 (7:58)</b>
Number of Trips:	<b>282</b>
Mean/Median Speed(mph):	<b>14.9 / 15.4</b>
Mean/Median Travel Time(s):	<b>907.2 (15:07) / 878.8 (14:38)</b>
Standard Deviation:	<b>145.3</b>
15th Percentile Travel Time(s):	<b>775 (12:55)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 23'A (QC18) to 23 C (QC10)

Trip Distance(mi):	<b>3.76</b>
Expected Travel Time(s):	<b>545 (9:05)</b>
Number of Trips:	<b>425</b>
Mean/Median Speed(mph):	<b>25.2 / 25.5</b>
Mean/Median Travel Time(s):	<b>537.6 (8:57) / 530.5 (8:50)</b>
Standard Deviation:	<b>30</b>
15th Percentile Travel Time(s):	<b>518 (8:38)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

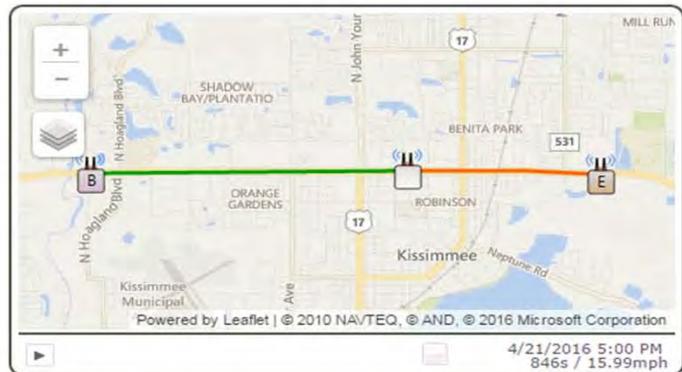
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 23'A (QC18) to 23'C (QC10)

Trip Distance(mi):	<b>3.76</b>
Expected Travel Time(s):	<b>545 (9:05)</b>
Number of Trips:	<b>449</b>
Mean/Median Speed(mph):	<b>18 / 18.3</b>
Mean/Median Travel Time(s):	<b>753 (12:33) / 738.3 (12:18)</b>
Standard Deviation:	<b>53.9</b>
15th Percentile Travel Time(s):	<b>709 (11:49)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

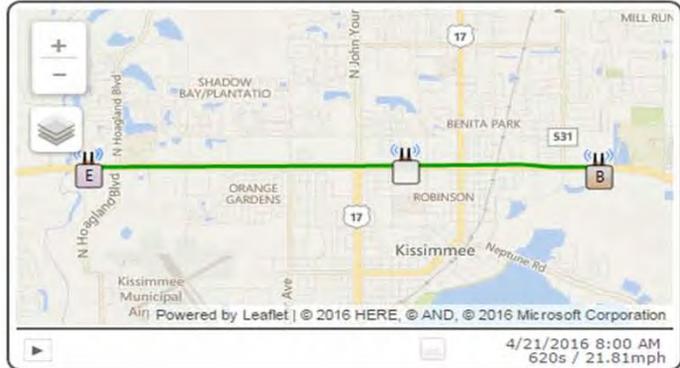
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 23'C (QC10) to 23 A (QC18)

Trip Distance(mi):	<b>3.76</b>
Expected Travel Time(s):	<b>477 (7:57)</b>
Number of Trips:	<b>486</b>
Mean/Median Speed(mph):	<b>23.9 / 24.4</b>
Mean/Median Travel Time(s):	<b>566.1 (9:26) / 554.8 (9:14)</b>
Standard Deviation:	<b>33.3</b>
15th Percentile Travel Time(s):	<b>540 (9:00)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: **4/18/2016 - 4/22/2016**

Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 23'C (QC10) to 23 A (QC18)

Trip Distance(mi):	<b>3.76</b>
Expected Travel Time(s):	<b>477 (7:57)</b>
Number of Trips:	<b>379</b>
Mean/Median Speed(mph):	<b>18.7 / 19.3</b>
Mean/Median Travel Time(s):	<b>721.7 (12:01) / 702.3 (11:42)</b>
Standard Deviation:	<b>147.5</b>
15th Percentile Travel Time(s):	<b>608.5 (10:08)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

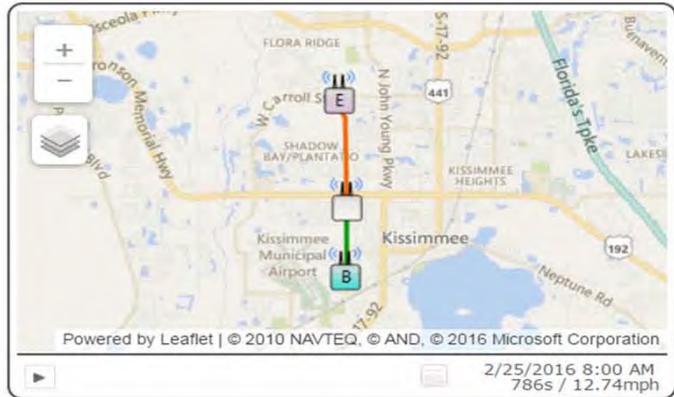


The following filter settings have been applied to this report.  
 Date Range: **2/22/2016 - 2/26/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 24 A (QC06) to 24 C (QC17)

Trip Distance(mi):	<b>2.78</b>
Expected Travel Time(s):	<b>454 (7:34)</b>
Number of Trips:	<b>40</b>
Mean/Median Speed(mph):	<b>16.1 / 16.2</b>
Mean/Median Travel Time(s):	<b>623.6 (10:23) / 618 (10:18)</b>
Standard Deviation:	<b>132.9</b>
15th Percentile Travel Time(s):	<b>575 (9:35)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

Note: You may adjust the location of the devices by clicking and

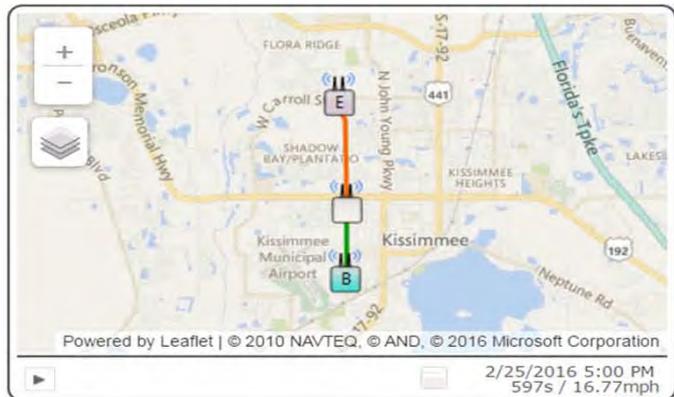


The following filter settings have been applied to this report.  
 Date Range: **2/22/2016 - 2/26/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**

### ROUTE - 24 A (QC06) to 24 C (QC17)

Trip Distance(mi):	<b>2.78</b>
Expected Travel Time(s):	<b>454 (7:34)</b>
Number of Trips:	<b>49</b>
Mean/Median Speed(mph):	<b>12.6 / 16</b>
Mean/Median Travel Time(s):	<b>796.9 (13:16) / 623.8 (10:23)</b>
Standard Deviation:	<b>468.7</b>
15th Percentile Travel Time(s):	<b>597 (9:57)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

Note: You may adjust the location of the devices by clicking and



The following filter settings have been applied to this report.

Date Range: **2/22/2016 - 2/26/2016**

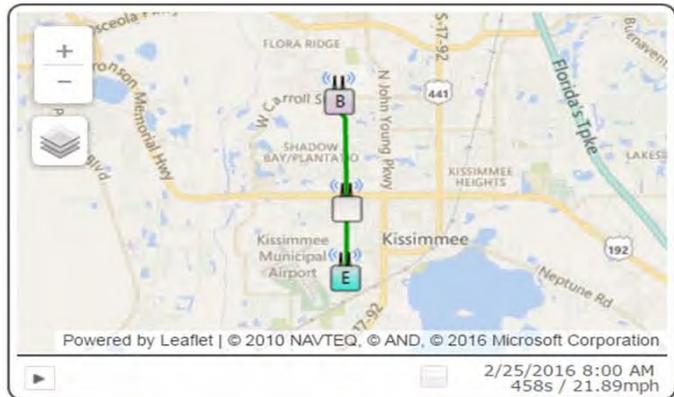
Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 24 C (QC17) to 24 A (QC06)

Trip Distance(mi):	<b>2.78</b>
Expected Travel Time(s):	<b>455 (7:35)</b>
Number of Trips:	<b>46</b>
Mean/Median Speed(mph):	<b>17.6 / 20.6</b>
Mean/Median Travel Time(s):	<b>569.9 (9:29) / 486.5 (8:06)</b>
Standard Deviation:	<b>201</b>
15th Percentile Travel Time(s):	<b>458 (7:38)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and



The following filter settings have been applied to this report.

Date Range: **2/22/2016 - 2/26/2016**

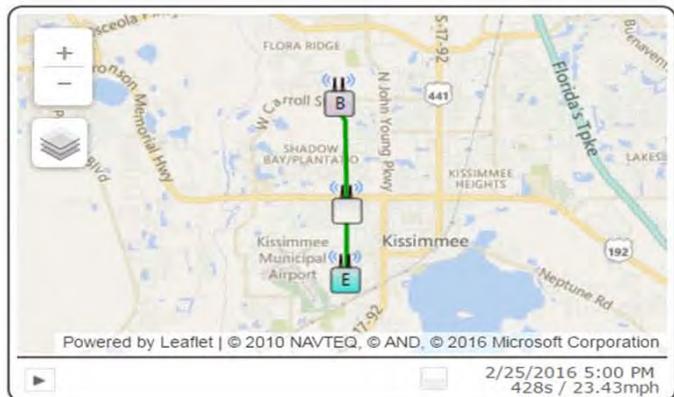
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 24 C (QC17) to 24 A (QC06)

Trip Distance(mi):	<b>2.78</b>
Expected Travel Time(s):	<b>455 (7:35)</b>
Number of Trips:	<b>55</b>
Mean/Median Speed(mph):	<b>18.7 / 18.7</b>
Mean/Median Travel Time(s):	<b>535.8 (8:55) / 536.3 (8:56)</b>
Standard Deviation:	<b>101.4</b>
15th Percentile Travel Time(s):	<b>474.5 (7:54)</b>
85th Percentile Travel Time(s):	<b>N/A</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and



The following filter settings have been applied to this report.

Date Range: **6/20/2016 - 6/30/2016**

Time Range: **7:00 AM - 9:00 AM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 24 A (QC13) to 24 C (QC19)

Trip Distance(mi):	<b>2.78</b>
Expected Travel Time(s):	<b>454 (7:34)</b>
Number of Trips:	<b>159</b>
Mean/Median Speed(mph):	<b>17.3 / 23.3</b>
Mean/Median Travel Time(s):	<b>579 (9:39) / 429.8 (7:09)</b>
Standard Deviation:	<b>458</b>
15th Percentile Travel Time(s):	<b>400.5 (6:40)</b>
85th Percentile Travel Time(s):	<b>685 (11:25)</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and



The following filter settings have been applied to this report.

Date Range: **6/20/2016 - 6/30/2016**

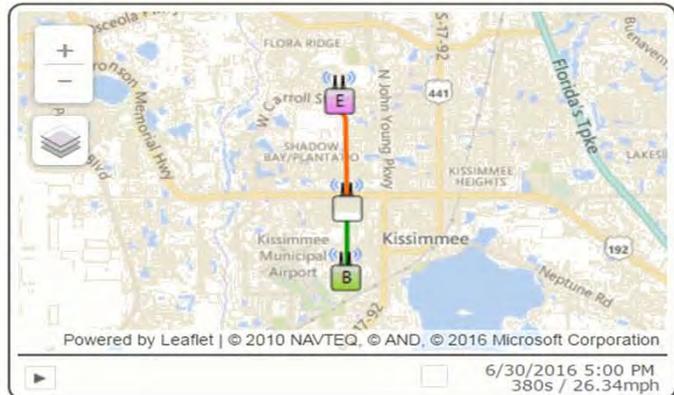
Time Range: **4:00 PM - 6:00 PM**

Day(s) Selection: **Tuesday, Wednesday, Thursday**

## ROUTE - 24 A (QC13) to 24 C (QC19)

Trip Distance(mi):	<b>2.78</b>
Expected Travel Time(s):	<b>454 (7:34)</b>
Number of Trips:	<b>123</b>
Mean/Median Speed(mph):	<b>20.1 / 23</b>
Mean/Median Travel Time(s):	<b>497 (8:17) / 435 (7:15)</b>
Standard Deviation:	<b>299.4</b>
15th Percentile Travel Time(s):	<b>379.5 (6:19)</b>
85th Percentile Travel Time(s):	<b>499 (8:19)</b>
95th Percentile Travel Time(s):	<b>N/A</b>

**Note:** You may adjust the location of the devices by clicking and





The following filter settings have been applied to this report.

Date Range: 3/1/2016 - 3/4/2016

Time Range: 7:00 AM - 9:00 AM

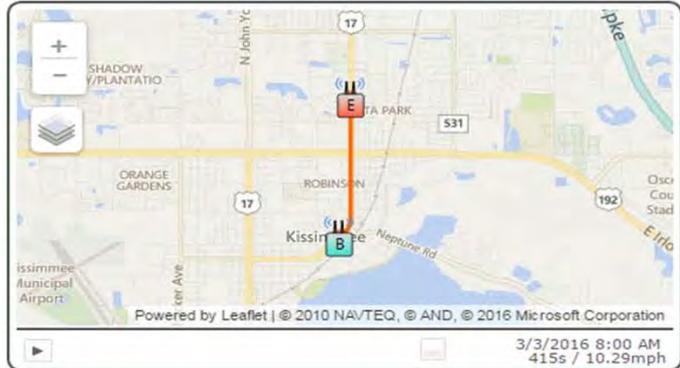
Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 720s

## 25 A (QC07) to 25 B (QC17)

Trip Distance(mi):	1.19
Expected Travel Time(s):	257 (4:17)
Number of Trips:	188
Mean/Median Speed(mph):	18.2 / 19.3
Mean/Median Travel Time(s):	234.8 (3:54) / 221 (3:41)
Standard Deviation:	184.2
15th Percentile Travel Time(s):	39
85th Percentile Travel Time(s):	429 (7:09)
95th Percentile Travel Time(s):	540 (9:00)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.

Date Range: 3/1/2016 - 3/4/2016

Time Range: 4:00 PM - 6:00 PM

Day(s) Selection: Tuesday, Wednesday, Thursday

Travel Time Range: 30s - 720s

## 25 A (QC07) to 25 B (QC17)

Trip Distance(mi):	1.19
Expected Travel Time(s):	257 (4:17)
Number of Trips:	151
Mean/Median Speed(mph):	17.5 / 19.5
Mean/Median Travel Time(s):	244.2 (4:04) / 219 (3:39)
Standard Deviation:	203.9
15th Percentile Travel Time(s):	40
85th Percentile Travel Time(s):	505 (8:25)
95th Percentile Travel Time(s):	580 (9:40)

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

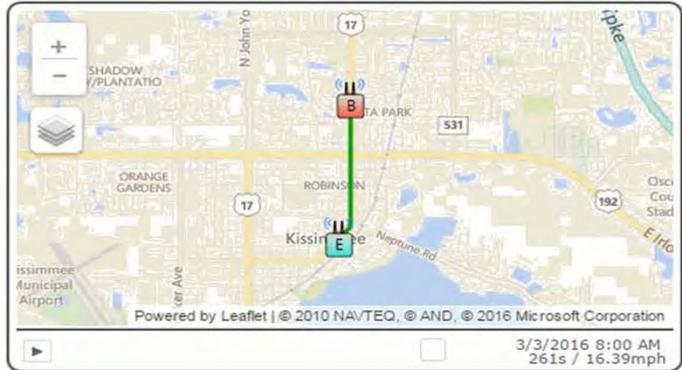


The following filter settings have been applied to this report.  
 Date Range: 3/1/2016 - 3/4/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: 30s - 720s

### 25 B (QC17) to 25 A (QC07)

Trip Distance(mi):	<b>1.19</b>
Expected Travel Time(s):	<b>257 (4:17)</b>
Number of Trips:	<b>129</b>
Mean/Median Speed(mph):	<b>26.6 / 48.1</b>
Mean/Median Travel Time(s):	<b>160.5 (2:40) / 89 (1:29)</b>
Standard Deviation:	<b>125.1</b>
15th Percentile Travel Time(s):	<b>47</b>
85th Percentile Travel Time(s):	<b>302 (5:02)</b>
95th Percentile Travel Time(s):	<b>351 (5:51)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

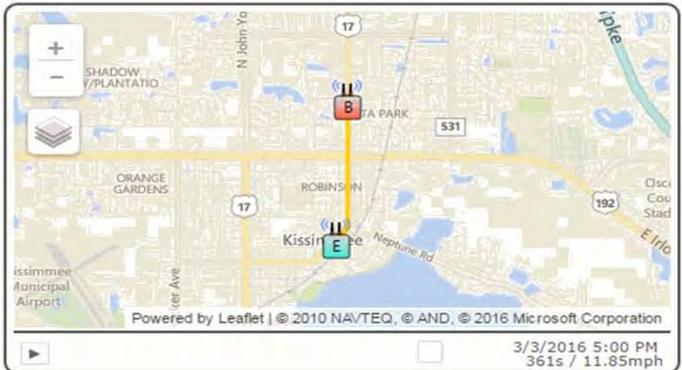


The following filter settings have been applied to this report.  
 Date Range: 3/1/2016 - 3/4/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: 30s - 720s

### 25 B (QC17) to 25 A (QC07)

Trip Distance(mi):	<b>1.19</b>
Expected Travel Time(s):	<b>257 (4:17)</b>
Number of Trips:	<b>223</b>
Mean/Median Speed(mph):	<b>25.1 / 46</b>
Mean/Median Travel Time(s):	<b>170.1 (2:50) / 93 (1:33)</b>
Standard Deviation:	<b>149.5</b>
15th Percentile Travel Time(s):	<b>41</b>
85th Percentile Travel Time(s):	<b>361 (6:01)</b>
95th Percentile Travel Time(s):	<b>425 (7:05)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

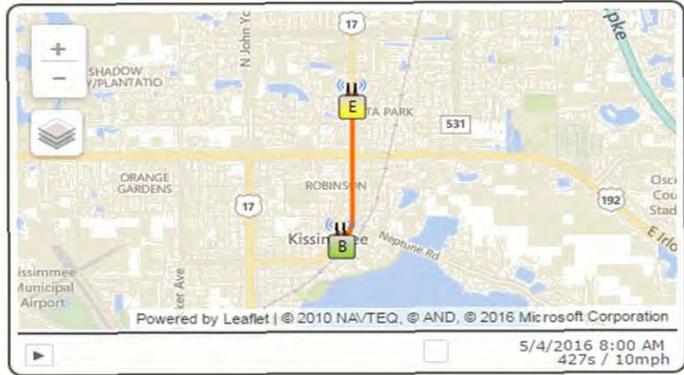


The following filter settings have been applied to this report.  
 Date Range: **5/2/2016 - 5/4/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 720s**

### 25 A (QC20) to 25 B (QC03)

Trip Distance(mi):	<b>1.19</b>
Expected Travel Time(s):	<b>257 (4:17)</b>
Number of Trips:	<b>95</b>
Mean/Median Speed(mph):	<b>11.7 / 11.7</b>
Mean/Median Travel Time(s):	<b>365 (6:05) / 366 (6:06)</b>
Standard Deviation:	<b>100.1</b>
15th Percentile Travel Time(s):	<b>255 (4:15)</b>
85th Percentile Travel Time(s):	<b>472 (7:52)</b>
95th Percentile Travel Time(s):	<b>524 (8:44)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **5/2/2016 - 5/4/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 720s**

### 25 A (QC20) to 25 B (QC03)

Trip Distance(mi):	<b>1.19</b>
Expected Travel Time(s):	<b>257 (4:17)</b>
Number of Trips:	<b>46</b>
Mean/Median Speed(mph):	<b>12.8 / 14.5</b>
Mean/Median Travel Time(s):	<b>334.1 (5:34) / 294.5 (4:54)</b>
Standard Deviation:	<b>144.7</b>
15th Percentile Travel Time(s):	<b>211 (3:31)</b>
85th Percentile Travel Time(s):	<b>501 (8:21)</b>
95th Percentile Travel Time(s):	<b>665 (11:05)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

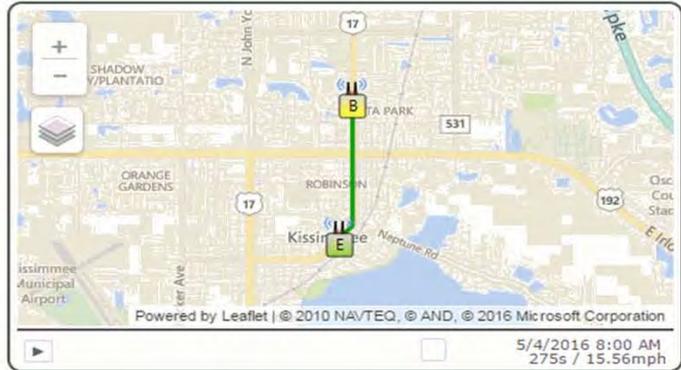


The following filter settings have been applied to this report.  
 Date Range: 5/2/2016 - 5/4/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: 30s - 720s

### 25 B (QC03) to 25 A (QC20)

Trip Distance(mi):	<b>1.19</b>
Expected Travel Time(s):	<b>257 (4:17)</b>
Number of Trips:	<b>51</b>
Mean/Median Speed(mph):	<b>16.3 / 16.5</b>
Mean/Median Travel Time(s):	<b>262.8 (4:22) / 260 (4:20)</b>
Standard Deviation:	<b>66.5</b>
15th Percentile Travel Time(s):	<b>201 (3:21)</b>
85th Percentile Travel Time(s):	<b>324 (5:24)</b>
95th Percentile Travel Time(s):	<b>370 (6:10)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: 5/2/2016 - 5/4/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: 30s - 720s

### 25 B (QC03) to 25 A (QC20)

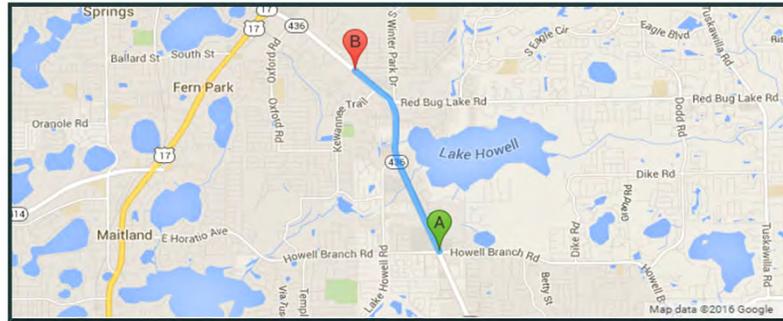
Trip Distance(mi):	<b>1.19</b>
Expected Travel Time(s):	<b>257 (4:17)</b>
Number of Trips:	<b>92</b>
Mean/Median Speed(mph):	<b>12.6 / 13.8</b>
Mean/Median Travel Time(s):	<b>340.4 (5:40) / 310.5 (5:10)</b>
Standard Deviation:	<b>97.1</b>
15th Percentile Travel Time(s):	<b>254 (4:14)</b>
85th Percentile Travel Time(s):	<b>431 (7:11)</b>
95th Percentile Travel Time(s):	<b>562 (9:22)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



SR 436 & Howell Branch (u1389) to SR 436 & Wilshire (u1428) - NB

Start Date 2/2/2016 7:00  
End Date 2/4/2016 9:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 33.0  
Mean/Median Travel Time(s): 218.3  
Standard Deviation: 26.1  
15th Percentile Travel Time(s): 192.7  
85th Percentile Travel Time(s): 241.4  
95th Percentile Travel Time(s): 267.4

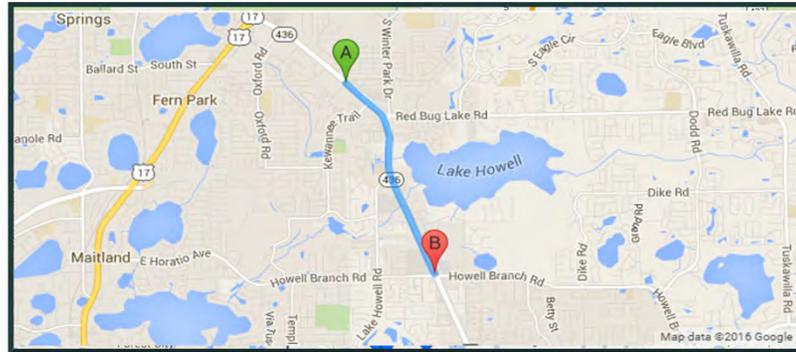


SR 436 & Howell Branch (u1389) to SR 436 & Wilshire (u1428) - NB

Start Date 2/2/2016 16:00  
End Date 2/4/2016 18:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 27.6  
Mean/Median Travel Time(s): 260.7  
Standard Deviation: 33.2  
15th Percentile Travel Time(s): 214.0  
85th Percentile Travel Time(s): 300.1  
95th Percentile Travel Time(s): 306.9

SR 436 & Wilshire (u1428) to SR 436 & Howell Branch (u1389) - SB

Start Date 2/2/2016 7:00  
End Date 2/4/2016 9:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 25.3  
Mean/Median Travel Time(s): 284.7  
Standard Deviation: 48.2  
15th Percentile Travel Time(s): 221.0  
85th Percentile Travel Time(s): 337.4  
95th Percentile Travel Time(s): 345.8

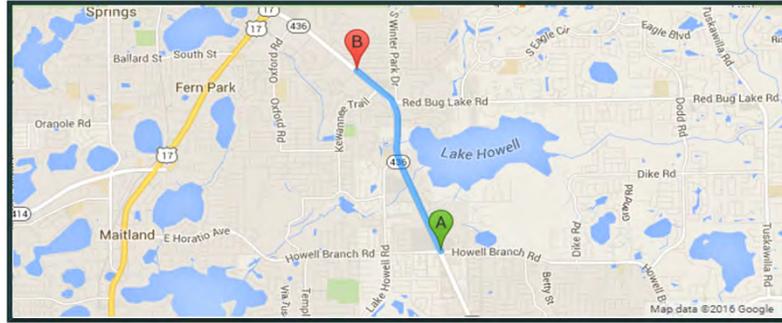


SR 436 & Wilshire (u1428) to SR 436 & Howell Branch (u1389) - SB

Start Date 2/2/2016 16:00  
End Date 2/4/2016 18:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 25.5  
Mean/Median Travel Time(s): 282.1  
Standard Deviation: 12.4  
15th Percentile Travel Time(s): 272.0  
85th Percentile Travel Time(s): 294.4  
95th Percentile Travel Time(s): 305.9

SR 436 & Howell Branch (u1389) to SR 436 & Wilshire (u1428) - NB

Start Date 3/29/2016 7:00  
End Date 3/31/2016 9:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 31.9  
Mean/Median Travel Time(s): 226.0  
Standard Deviation: 47.0  
15th Percentile Travel Time(s): 177.0  
85th Percentile Travel Time(s): 280.0  
95th Percentile Travel Time(s): 317.0

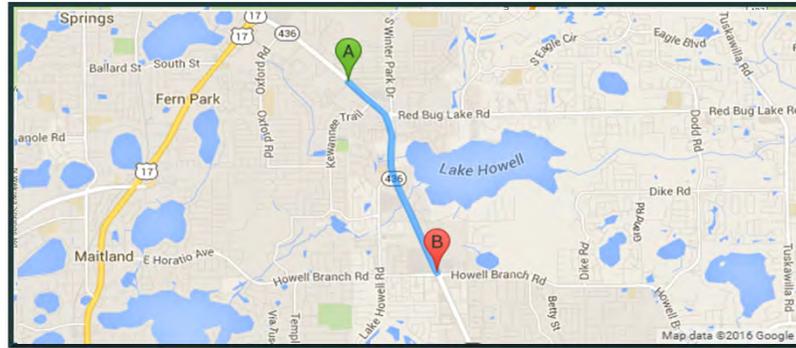


SR 436 & Howell Branch (u1389) to SR 436 & Wilshire (u1428) - NB

Start Date 3/29/2016 16:00  
End Date 3/31/2016 18:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 30.2  
Mean/Median Travel Time(s): 238.3  
Standard Deviation: 22.3  
15th Percentile Travel Time(s): 212.7  
85th Percentile Travel Time(s): 260.4  
95th Percentile Travel Time(s): 275.8

SR 436 & Wilshire (u1428) to SR 436 & Howell Branch (u1389) - SB

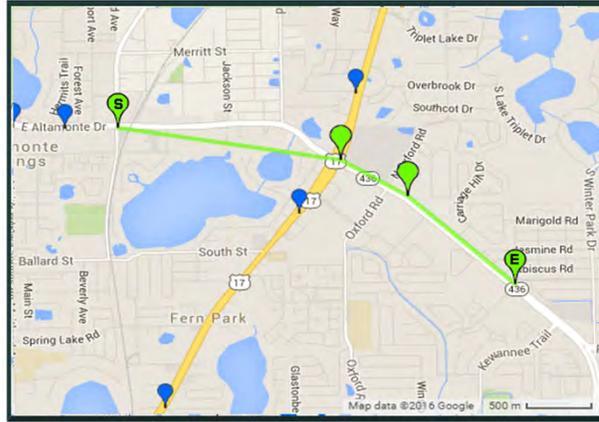
Start Date 3/29/2016 7:00  
End Date 3/31/2016 9:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 33.9  
Mean/Median Travel Time(s): 212.3  
Standard Deviation: 19.8  
15th Percentile Travel Time(s): 194.0  
85th Percentile Travel Time(s): 228.0  
95th Percentile Travel Time(s): 253.0



SR 436 & Wilshire (u1428) to SR 436 & Howell Branch (u1389) - SB

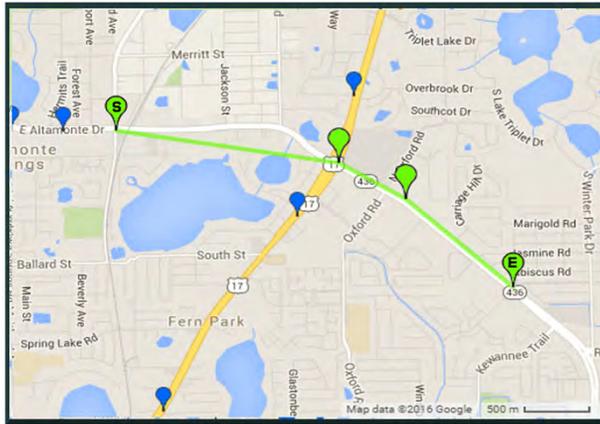
Start Date 3/29/2016 16:00  
End Date 3/31/2016 18:00  
Trip Distance(mi): 0.3  
Mean/Median Speed(mph): 29.6  
Mean/Median Travel Time(s): 243.5  
Standard Deviation: 27.9  
15th Percentile Travel Time(s): 221.3  
85th Percentile Travel Time(s): 268.0  
95th Percentile Travel Time(s): 317.0

Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - WB  
 Start Date 2/2/2016 7:00  
 End Date 2/4/2016 9:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 28.9  
 Mean/Median Travel Time(s): 261.7  
 Standard Deviation: 36.4  
 15th Percentile Travel Time(s): 227.3  
 85th Percentile Travel Time(s): 303.4  
 95th Percentile Travel Time(s): 330.4



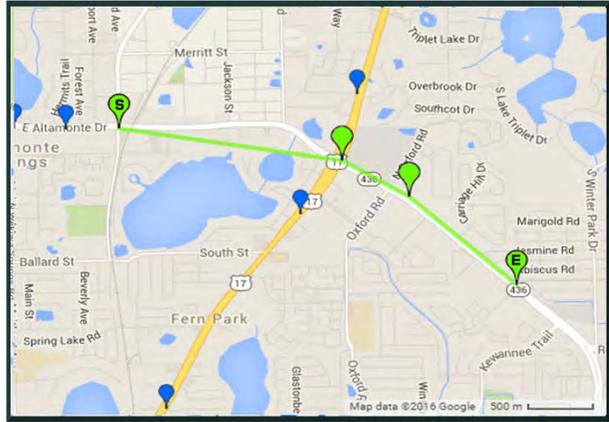
Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - WB  
 Start Date 2/2/2016 16:00  
 End Date 2/4/2016 18:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 25.0  
 Mean/Median Travel Time(s): 302.8  
 Standard Deviation: 16.1  
 15th Percentile Travel Time(s): 289.7  
 85th Percentile Travel Time(s): 320.0  
 95th Percentile Travel Time(s): 331.3

Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - EB  
 Start Date 2/2/2016 7:00  
 End Date 2/4/2016 9:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 25.8  
 Mean/Median Travel Time(s): 292.4  
 Standard Deviation: 38.2  
 15th Percentile Travel Time(s): 242.5  
 85th Percentile Travel Time(s): 335.0  
 95th Percentile Travel Time(s): 345.5



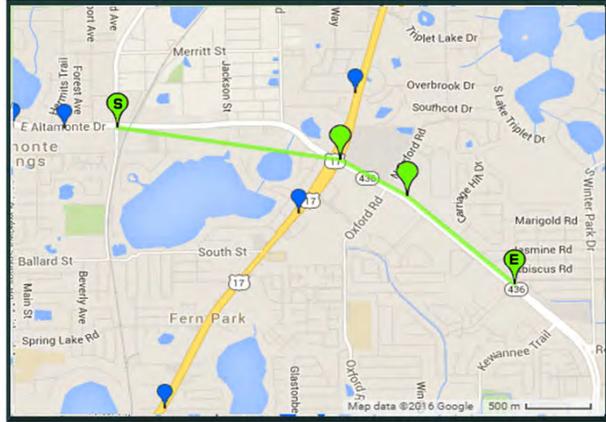
Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - EB  
 Start Date 2/2/2016 16:00  
 End Date 2/4/2016 18:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 19.1  
 Mean/Median Travel Time(s): 395.3  
 Standard Deviation: 64.7  
 15th Percentile Travel Time(s): 338.4  
 85th Percentile Travel Time(s): 493.1  
 95th Percentile Travel Time(s): 534.4

Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - WB  
 Start Date 3/29/2016 7:00  
 End Date 3/31/2016 9:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 29.6  
 Mean/Median Travel Time(s): 255.2  
 Standard Deviation: 37.4  
 15th Percentile Travel Time(s): 213.4  
 85th Percentile Travel Time(s): 297.3  
 95th Percentile Travel Time(s): 305.6



Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - WB  
 Start Date 3/29/2016 16:00  
 End Date 3/31/2016 18:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 25.5  
 Mean/Median Travel Time(s): 296.7  
 Standard Deviation: 30.7  
 15th Percentile Travel Time(s): 265.0  
 85th Percentile Travel Time(s): 333.5  
 95th Percentile Travel Time(s): 349.0

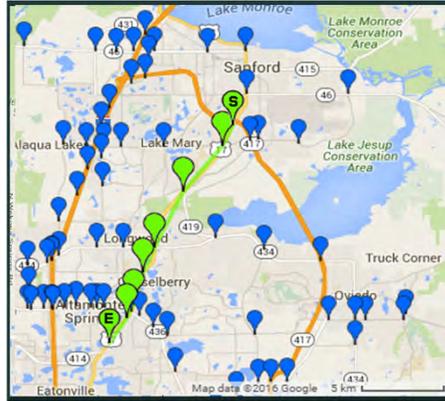
Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - EB  
 Start Date 3/29/2016 7:00  
 End Date 3/31/2016 9:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 26.8  
 Mean/Median Travel Time(s): 281.6  
 Standard Deviation: 30.1  
 15th Percentile Travel Time(s): 248.8  
 85th Percentile Travel Time(s): 311.0  
 95th Percentile Travel Time(s): 331.4



Route SR 436 & CR 427 (u1387) to SR 436 & Wilshire (u1428) - EB  
 Start Date 3/29/2016 16:00  
 End Date 3/31/2016 18:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 18.4  
 Mean/Median Travel Time(s): 411.6  
 Standard Deviation: 188.2  
 15th Percentile Travel Time(s): 291.5  
 85th Percentile Travel Time(s): 570.5  
 95th Percentile Travel Time(s): 928.5

Route US 17-92 & Spartan (u1411) to US 17-92 & Airport Blvd (u1416)

Start Date	2/2/2016 7:00
End Date	2/4/2016 9:00
Trip Distance(mi):	0.3
Mean/Median Speed(mph):	33.1
Mean/Median Travel Time(s):	1076.5
Standard Deviation:	109.1
15th Percentile Travel Time(s):	940.6
85th Percentile Travel Time(s):	1192.2
95th Percentile Travel Time(s):	1251.0

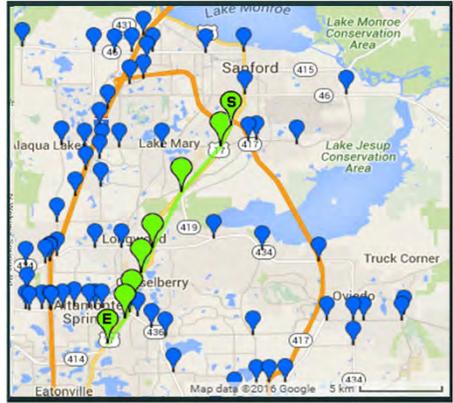


Route US 17-92 & Spartan (u1411) to US 17-92 & Airport Blvd (u1416)

Start Date	2/2/2016 16:00
End Date	2/4/2016 18:00
Trip Distance(mi):	0.3
Mean/Median Speed(mph):	29.4
Mean/Median Travel Time(s):	1212.6
Standard Deviation:	132.7
15th Percentile Travel Time(s):	1104.6
85th Percentile Travel Time(s):	1354.2
95th Percentile Travel Time(s):	1521.9

Route US 17-92 & Airport Blvd (u1416) to US 17-92 & Spartan (u1411)

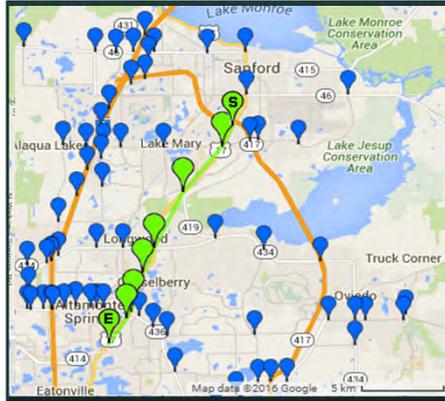
Start Date	2/2/2016 7:00
End Date	2/4/2016 9:00
Trip Distance(mi):	0.3
Mean/Median Speed(mph):	31.3
Mean/Median Travel Time(s):	1138.8
Standard Deviation:	171.4
15th Percentile Travel Time(s):	946.0
85th Percentile Travel Time(s):	1345.5
95th Percentile Travel Time(s):	1478.5



Route US 17-92 & Airport Blvd (u1416) to US 17-92 & Spartan (u1411)

Start Date	2/2/2016 16:00
End Date	2/4/2016 18:00
Trip Distance(mi):	0.3
Mean/Median Speed(mph):	30.1
Mean/Median Travel Time(s):	1182.6
Standard Deviation:	75.7
15th Percentile Travel Time(s):	1117.8
85th Percentile Travel Time(s):	1230.7
95th Percentile Travel Time(s):	1348.2

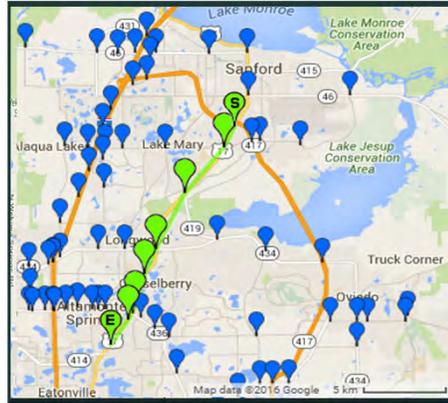
Route US 17-92 & Spartan (u1411) to US 17-92 & Airport Blvd (u1416)  
 Start Date 3/29/2016 7:00  
 End Date 3/31/2016 9:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 37.0  
 Mean/Median Travel Time(s): 964.4  
 Standard Deviation: 43.7  
 15th Percentile Travel Time(s): 918.4  
 85th Percentile Travel Time(s): 1012.0  
 95th Percentile Travel Time(s): 1035.6



Route US 17-92 & Spartan (u1411) to US 17-92 & Airport Blvd (u1416)  
 Start Date 3/29/2016 16:00  
 End Date 3/31/2016 18:00  
 Trip Distance(mi): 0.3  
 Mean/Median Speed(mph): 29.0  
 Mean/Median Travel Time(s): 1227.2  
 Standard Deviation: 143.7  
 15th Percentile Travel Time(s): 1095.5  
 85th Percentile Travel Time(s): 1388.5  
 95th Percentile Travel Time(s): 1530.0

Route US 17-92 & Airport Blvd (u1416) to US 17-92 & Spartan (u1411)

Start Date	3/29/2016 7:00
End Date	3/31/2016 9:00
Trip Distance(mi):	0.3
Mean/Median Speed(mph):	34.8
Mean/Median Travel Time(s):	1024.6
Standard Deviation:	76.5
15th Percentile Travel Time(s):	936.4
85th Percentile Travel Time(s):	1109.0
95th Percentile Travel Time(s):	1133.6



Route US 17-92 & Airport Blvd (u1416) to US 17-92 & Spartan (u1411)

Start Date	3/29/2016 16:00
End Date	3/31/2016 18:00
Trip Distance(mi):	0.3
Mean/Median Speed(mph):	33.8
Mean/Median Travel Time(s):	1053.0
Standard Deviation:	66.7
15th Percentile Travel Time(s):	999.5
85th Percentile Travel Time(s):	1139.0
95th Percentile Travel Time(s):	1207.0

The following filter settings have been applied to this report.  
 Date Range: **2/1/2016 - 2/5/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 29A (QC17) to 29B (QC07)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>75 (1:15)</b>
Number of Trips:	<b>133</b>
Mean/Median Speed(mph):	<b>25.4 / 31.7</b>
Mean/Median Travel Time(s):	<b>81 (1:20) / 65 (1:05)</b>
Standard Deviation:	<b>39.4</b>
15th Percentile Travel Time(s):	<b>44</b>
85th Percentile Travel Time(s):	<b>123 (2:03)</b>
95th Percentile Travel Time(s):	<b>164 (2:44)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **2/1/2016 - 2/5/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 29A (QC17) to 29B (QC07)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>75 (1:15)</b>
Number of Trips:	<b>249</b>
Mean/Median Speed(mph):	<b>13.1 / 13.8</b>
Mean/Median Travel Time(s):	<b>157.8 (2:37) / 149 (2:29)</b>
Standard Deviation:	<b>80.5</b>
15th Percentile Travel Time(s):	<b>74 (1:14)</b>
85th Percentile Travel Time(s):	<b>243 (4:03)</b>
95th Percentile Travel Time(s):	<b>320 (5:20)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

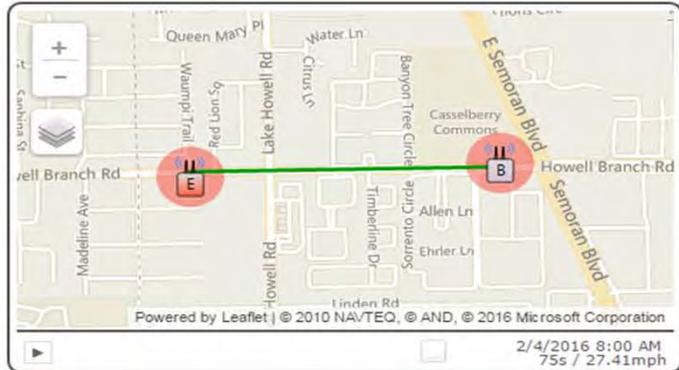


The following filter settings have been applied to this report.  
 Date Range: **2/1/2016 - 2/5/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 29 B (QC07) to 29 A (QC17)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>75 (1:15)</b>
Number of Trips:	<b>236</b>
Mean/Median Speed(mph):	<b>21.6 / 31.1</b>
Mean/Median Travel Time(s):	<b>95.1 (1:35) / 66 (1:06)</b>
Standard Deviation:	<b>67.3</b>
15th Percentile Travel Time(s):	<b>52</b>
85th Percentile Travel Time(s):	<b>141 (2:21)</b>
95th Percentile Travel Time(s):	<b>248 (4:08)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **2/1/2016 - 2/5/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

### 29 B (QC07) to 29 A (QC17)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>75 (1:15)</b>
Number of Trips:	<b>122</b>
Mean/Median Speed(mph):	<b>18.4 / 16.3</b>
Mean/Median Travel Time(s):	<b>111.5 (1:51) / 126.5 (2:06)</b>
Standard Deviation:	<b>45.8</b>
15th Percentile Travel Time(s):	<b>53</b>
85th Percentile Travel Time(s):	<b>147 (2:27)</b>
95th Percentile Travel Time(s):	<b>177 (2:57)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: 3/28/2016 - 4/1/2016  
 Time Range: 7:00 AM - 9:00 AM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 510s

### 29 A (QC10) to 29 B (QC07)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>95 (1:35)</b>
Number of Trips:	<b>129</b>
Mean/Median Speed(mph):	<b>26.8 / 34.4</b>
Mean/Median Travel Time(s):	<b>77.2 (1:17) / 60 (1:00)</b>
Standard Deviation:	<b>41.3</b>
15th Percentile Travel Time(s):	<b>44</b>
85th Percentile Travel Time(s):	<b>115 (1:55)</b>
95th Percentile Travel Time(s):	<b>136 (2:16)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.

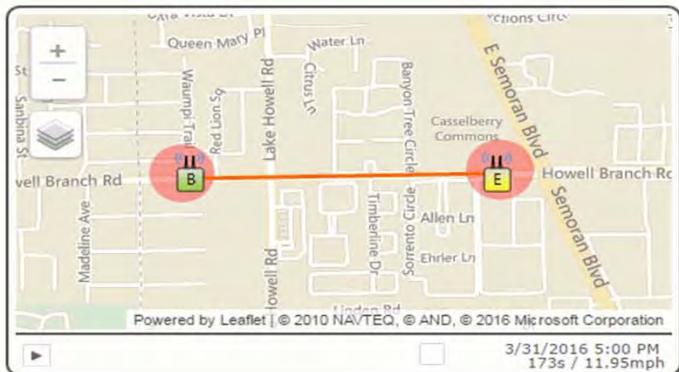


The following filter settings have been applied to this report.  
 Date Range: 3/28/2016 - 4/1/2016  
 Time Range: 4:00 PM - 6:00 PM  
 Day(s) Selection: Tuesday, Wednesday, Thursday  
 Travel Time Range: 30s - 510s

### 29 A (QC10) to 29 B (QC07)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>95 (1:35)</b>
Number of Trips:	<b>278</b>
Mean/Median Speed(mph):	<b>11 / 12.7</b>
Mean/Median Travel Time(s):	<b>188.4 (3:08) / 162.5 (2:42)</b>
Standard Deviation:	<b>104</b>
15th Percentile Travel Time(s):	<b>85 (1:25)</b>
85th Percentile Travel Time(s):	<b>319 (5:19)</b>
95th Percentile Travel Time(s):	<b>382 (6:22)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **3/28/2016 - 4/1/2016**  
 Time Range: **7:00 AM - 9:00 AM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

## 29 B (QC07) to 29 A (QC10)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>79 (1:19)</b>
Number of Trips:	<b>252</b>
Mean/Median Speed(mph):	<b>21.8 / 34.7</b>
Mean/Median Travel Time(s):	<b>93.9 (1:33) / 59</b>
Standard Deviation:	<b>75.1</b>
15th Percentile Travel Time(s):	<b>50</b>
85th Percentile Travel Time(s):	<b>143 (2:23)</b>
95th Percentile Travel Time(s):	<b>286 (4:46)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



The following filter settings have been applied to this report.  
 Date Range: **3/28/2016 - 4/1/2016**  
 Time Range: **4:00 PM - 6:00 PM**  
 Day(s) Selection: **Tuesday, Wednesday, Thursday**  
 Travel Time Range: **30s - 510s**

## 29 B (QC07) to 29 A (QC10)

Trip Distance(mi):	<b>0.57</b>
Expected Travel Time(s):	<b>79 (1:19)</b>
Number of Trips:	<b>126</b>
Mean/Median Speed(mph):	<b>17.5 / 17.8</b>
Mean/Median Travel Time(s):	<b>117.3 (1:57) / 115 (1:55)</b>
Standard Deviation:	<b>64.4</b>
15th Percentile Travel Time(s):	<b>60 (1:00)</b>
85th Percentile Travel Time(s):	<b>149 (2:29)</b>
95th Percentile Travel Time(s):	<b>166 (2:46)</b>

**Note:** You may adjust the location of the devices by clicking and dragging the markers on the map to the right. This will update the route and distance/time taken calculated.



## Appendix B Existing Traffic Volume Data

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 148  
 Location Apopka-Vineland Rd : Conroy-Windermere Rd to Palm Lake Dr ( 0.23 Miles N. of Palm Lake Dr )

## 6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	78	37	23	13	7	17	45	139	168	209	145	160
30	67	46	22	12	11	18	68	193	208	190	145	169
45	50	30	18	10	9	25	98	220	197	176	175	179
00	58	24	15	9	13	33	130	179	218	138	157	201
Hr Total	253	137	79	43	40	92	341	731	791	713	622	710

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	182	205	242	289	334	377	336	242	175	144	95	95
30	176	213	263	282	371	420	339	219	186	116	112	115
45	182	227	278	329	333	387	264	207	145	133	102	89
00	192	262	279	318	385	375	253	191	152	112	85	76
Hr Total	732	907	1062	1218	1423	1558	1191	858	657	506	394	376

24 Hour Total 15,435  
 AM Peak Hour Begins 8:15 AM Peak Volume 833 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:45 PM Peak Volume 1,568 PM Peak Hour Factor 0.93

## 6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	18	9	6	16	40	69	141	286	355	308	199	171
30	16	11	9	17	58	101	193	392	386	281	181	184
45	12	7	6	27	61	126	252	356	431	234	182	204
00	12	5	14	24	59	124	250	418	348	232	201	206
Hr Total	58	32	35	84	218	420	837	1452	1520	1054	763	765

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	195	196	213	211	228	241	255	187	134	99	72	34
30	186	198	236	287	264	252	225	162	131	98	70	28
45	208	199	231	236	255	268	222	150	126	88	59	26
00	186	223	243	216	225	275	196	149	98	76	48	25
Hr Total	775	816	923	950	972	1037	898	647	489	361	250	112

24 Hour Total 15,466  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,590 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,050 PM Peak Hour Factor 0.95

## 6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	96	46	29	28	48	86	187	425	523	517	343	331
30	83	57	32	29	69	119	261	585	594	471	326	353
45	62	37	25	36	70	151	350	576	628	410	357	384
00	70	29	29	34	72	157	380	597	566	370	358	407
Hr Total	311	169	114	127	258	512	1178	2183	2311	1767	1384	1475

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	377	401	455	501	562	618	590	428	308	244	167	129
30	363	411	499	569	635	672	564	380	317	214	183	143
45	389	426	509	565	588	655	486	357	271	221	162	115
00	378	485	522	534	610	650	449	340	250	188	133	102
Hr Total	1507	1722	1985	2168	2395	2595	2089	1505	1147	867	644	488

24 Hour Total 30,902  
 AM Peak Hour Begins 7:45 AM Peak Volume 2,342 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,595 PM Peak Hour Factor 0.97

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 1040  
 Location Apopka-Vineland Rd : Palm Lake Dr to Wallace Rd ( 0.75 Miles N. of Wallace Rd )

## 6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	76	42	24	13	9	15	47	127	172	197	146	159
30	70	46	24	13	9	19	67	165	179	184	145	177
45	56	31	19	8	10	21	89	187	186	170	183	190
00	60	25	15	10	12	32	119	164	217	143	163	193
Hr Total	262	144	82	43	40	87	322	644	754	695	636	719

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	186	210	252	297	352	389	356	245	189	154	113	100
30	188	239	271	316	353	470	336	241	190	130	117	122
45	197	238	275	334	372	390	284	217	157	140	109	97
00	207	261	287	330	405	413	262	198	166	121	89	84
Hr Total	778	947	1085	1277	1482	1661	1237	901	702	545	428	403

24 Hour Total 15,873  
 AM Peak Hour Begins 8:30 AM Peak Volume 785 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,661 PM Peak Hour Factor 0.88

## 6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	19	10	6	17	42	70	158	308	360	317	207	176
30	17	12	10	18	61	101	192	398	402	301	202	189
45	13	6	6	27	61	132	255	367	430	237	187	207
00	13	5	13	25	66	123	277	434	372	230	207	216
Hr Total	63	33	35	86	230	426	882	1507	1564	1085	803	788

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	186	193	223	225	219	234	243	185	124	96	70	34
30	198	209	222	268	247	250	222	160	120	99	69	29
45	206	205	231	237	244	261	210	151	117	85	54	29
00	185	208	247	208	220	271	187	141	98	75	55	27
Hr Total	776	814	923	938	930	1017	862	637	459	355	248	118

24 Hour Total 15,578  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,626 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,025 PM Peak Hour Factor 0.95

## 6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	95	52	30	30	51	85	205	436	532	514	352	335
30	87	58	34	30	70	120	259	563	581	485	346	366
45	69	37	26	35	71	153	343	555	616	407	370	396
00	73	30	27	34	78	155	397	597	589	373	370	409
Hr Total	324	177	117	130	270	513	1204	2151	2318	1780	1439	1507

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	372	403	475	522	571	623	598	429	313	250	183	134
30	387	447	493	584	600	720	558	401	310	229	187	150
45	403	442	506	571	616	651	494	369	275	225	163	126
00	392	469	534	538	625	684	449	339	264	196	143	110
Hr Total	1554	1761	2008	2215	2412	2678	2099	1538	1162	900	676	521

24 Hour Total 31,451  
 AM Peak Hour Begins 7:45 AM Peak Volume 2,326 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,678 PM Peak Hour Factor 0.93

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 411  
 Location Apopka-Vineland Rd : Wallace Rd to Sand Lake Rd ( 0.33 Miles N. of Sand Lake Rd )

6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	70	45	25	12	10	20	49	146	191	219	132	143
30	71	45	23	13	11	21	67	165	203	188	147	162
45	56	30	18	8	13	29	104	186	206	152	155	178
00	57	21	15	10	16	42	161	189	238	151	153	178
Hr Total	255	141	81	43	49	112	381	685	839	710	587	661

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	171	185	234	254	336	364	321	220	179	140	112	103
30	182	220	257	305	327	403	308	213	173	128	110	120
45	179	223	245	317	337	391	258	196	145	133	109	94
00	191	240	277	297	389	391	248	185	145	111	88	87
Hr Total	723	868	1014	1172	1388	1550	1136	813	642	511	419	405

24 Hour Total 15,185  
 AM Peak Hour Begins 8:15 AM Peak Volume 867 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,550 PM Peak Hour Factor 0.96

6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	12	7	19	41	60	152	303	356	279	186	172
30	23	12	11	21	55	96	182	392	364	250	181	176
45	15	10	11	28	59	122	237	368	413	228	169	198
00	13	8	12	26	60	114	259	394	364	219	204	207
Hr Total	75	41	41	94	215	392	830	1457	1497	975	740	753

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	174	194	221	240	229	245	258	193	138	95	80	43
30	191	203	212	280	245	241	237	159	122	108	76	38
45	188	200	239	242	234	268	208	161	127	88	63	32
00	178	198	232	206	247	253	214	141	108	84	59	27
Hr Total	731	795	905	967	955	1006	918	654	495	375	277	139

24 Hour Total 15,326  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,527 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,020 PM Peak Hour Factor 0.95

6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	94	57	31	31	51	80	201	449	548	497	318	315
30	94	57	34	34	66	117	249	557	567	438	327	338
45	72	39	29	36	71	152	341	553	619	380	324	376
00	70	29	27	36	76	156	420	583	602	370	357	385
Hr Total	330	182	121	137	264	504	1211	2142	2336	1686	1327	1414

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	345	379	455	493	565	609	579	413	317	235	192	146
30	373	424	469	585	572	644	546	372	294	236	186	158
45	366	423	485	559	571	659	467	357	272	220	172	126
00	369	438	510	503	636	644	463	326	253	195	147	114
Hr Total	1454	1663	1918	2140	2344	2556	2054	1467	1136	886	696	543

24 Hour Total 30,511  
 AM Peak Hour Begins 8:00 AM Peak Volume 2,336 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,556 PM Peak Hour Factor 0.97

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 156  
 Location Apopka-Vineland Rd : Sand Lake Rd to Kilgore Rd ( 0.17 Miles N. of Kilgore Rd )

6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	37	19	13	14	39	46	108	248	270	220	178	167
30	36	15	17	17	52	66	136	290	293	204	163	165
45	24	16	14	19	44	82	189	305	368	191	178	202
00	25	11	11	24	45	81	193	291	308	179	176	201
Hr Total	121	60	55	74	179	275	625	1134	1239	794	695	734

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	184	208	229	311	265	312	298	275	209	173	125	69
30	188	217	251	316	283	295	305	248	194	168	108	68
45	218	220	266	266	299	319	289	222	197	144	99	54
00	184	244	270	261	289	320	242	222	175	146	80	47
Hr Total	774	888	1016	1154	1136	1245	1134	967	775	631	412	238

24 Hour Total 16,358  
 AM Peak Hour Begins 8:00 AM Peak Volume 1,239 AM Peak Hour Factor 0.84  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,245 PM Peak Hour Factor 0.97

6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	57	46	19	10	12	22	70	255	259	369	199	199
30	52	37	22	14	10	29	97	255	299	238	198	192
45	43	22	10	8	20	33	172	252	341	210	198	206
00	47	18	11	9	19	59	243	256	404	220	213	212
Hr Total	198	122	63	41	61	143	582	1018	1303	1037	808	809

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	205	196	224	266	327	380	341	233	153	106	87	72
30	217	218	263	320	325	375	295	199	149	98	86	96
45	198	225	273	341	335	414	277	193	114	106	81	70
00	202	254	247	300	355	384	234	175	108	82	63	66
Hr Total	822	894	1007	1227	1343	1553	1147	800	524	392	316	303

24 Hour Total 16,512  
 AM Peak Hour Begins 8:15 AM Peak Volume 1,412 AM Peak Hour Factor 0.87  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,553 PM Peak Hour Factor 0.94

6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	94	65	32	24	51	68	178	503	529	589	377	367
30	87	51	39	31	62	95	233	545	592	442	361	357
45	66	38	24	27	64	114	361	557	709	401	375	408
00	71	28	23	33	64	140	435	548	712	400	389	413
Hr Total	319	183	118	115	240	418	1207	2152	2542	1831	1502	1544

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	389	404	453	577	592	691	640	508	361	278	212	141
30	406	435	514	637	609	670	600	447	344	267	193	164
45	415	445	539	607	635	733	566	415	311	250	180	124
00	386	498	517	561	644	704	476	398	283	228	143	112
Hr Total	1596	1782	2023	2381	2479	2798	2282	1767	1299	1023	728	541

24 Hour Total 32,870  
 AM Peak Hour Begins 8:15 AM Peak Volume 2,602 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,798 PM Peak Hour Factor 0.95

# Roadway Count Summary

Start Date 20-Oct-15 Start Time 00:00  
 Stop Date 22-Oct-15 Stop Time 24:00  
 County Orange Station ID 6013  
 Location Apopka-Vineland Rd : Kilgore Rd to Darlene Rd ( 0.45 Miles S. of Kilgore Rd )

20-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	51	31	17	12	12	24	76	203	248	206	145	168
30	41	21	13	8	15	33	134	207	261	170	163	176
45	58	20	11	11	17	42	190	218	308	187	174	189
00	27	17	12	9	18	60	166	221	248	162	157	169
Hr Total	176	89	52	40	62	160	567	850	1064	726	639	702

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	172	201	214	259	294	344	290	193	144	92	90	87
30	172	193	209	282	309	362	261	175	109	97	86	81
45	175	204	225	266	328	362	232	144	119	81	68	68
00	172	191	240	279	330	299	209	128	96	87	67	56
Hr Total	691	788	888	1086	1260	1367	992	640	468	356	312	292

24 Hour Total 14,268  
 AM Peak Hour Begins 8:00 AM Peak Volume 1,064 AM Peak Hour Factor 0.86  
 PM Peak Hour Begins 16:45 PM Peak Volume 1,397 PM Peak Hour Factor 0.97

20-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	22	14	13	20	51	65	133	291	215	176	136	155
30	23	14	13	17	48	84	170	270	254	166	148	161
45	20	10	14	20	34	82	174	249	263	147	145	163
00	14	9	9	38	39	94	195	237	222	148	141	173
Hr Total	78	47	49	95	172	324	672	1048	955	637	570	653

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	163	163	204	255	235	242	267	202	177	136	107	58
30	158	185	210	232	254	269	215	180	159	117	106	50
45	171	209	221	228	243	251	224	176	147	120	78	38
00	169	189	224	226	252	245	194	177	142	122	55	32
Hr Total	661	745	859	941	984	1006	900	734	625	496	346	178

24 Hour Total 13,777  
 AM Peak Hour Begins 7:00 AM Peak Volume 1,048 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,032 PM Peak Hour Factor 0.96

20-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	73	45	30	32	64	89	210	494	463	382	280	324
30	63	35	26	25	63	117	305	478	515	337	311	337
45	78	30	25	31	52	124	364	468	571	334	320	353
00	40	26	21	47	56	154	361	458	470	311	298	342
Hr Total	254	136	101	135	235	484	1240	1898	2018	1363	1209	1355

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	334	363	418	514	529	586	557	395	321	228	197	145
30	330	378	419	514	562	631	476	355	268	214	193	131
45	346	413	446	494	571	613	456	320	266	201	146	106
00	341	380	464	505	582	544	403	304	238	209	122	88
Hr Total	1352	1534	1747	2027	2244	2373	1893	1374	1093	852	658	470

24 Hour Total 28,045  
 AM Peak Hour Begins 8:00 AM Peak Volume 2,018 AM Peak Hour Factor 0.88  
 PM Peak Hour Begins 16:45 PM Peak Volume 2,411 PM Peak Hour Factor 0.96

# Roadway Count Summary

Start Date 6-Oct-15                      Start Time                      00:00  
 Stop Date 8-Oct-15                      Stop Time                      24:00  
 County Orange                              Station ID                      1039  
 Location Dr. Phillips Bv : Pin Oak Dr to Wallace Rd ( 0.33 Miles S. of Pin Oak Dr )

6-Oct-15    Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	15	10	6	4	4	6	22	72	129	117	89	99
30	13	7	6	3	3	7	23	84	152	103	109	101
45	11	4	4	1	8	13	39	102	109	91	96	121
00	13	7	3	3	6	14	49	107	112	93	102	121
Hr Total	52	28	19	11	21	41	133	365	502	403	396	441

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	118	121	125	126	162	179	159	130	93	60	40	31
30	112	114	138	134	150	196	140	120	89	54	46	23
45	116	135	137	144	168	174	144	101	77	52	41	27
00	126	128	145	169	195	176	129	89	69	56	33	23
Hr Total	473	499	545	573	674	724	572	440	328	222	160	104

24 Hour Total                      7,730  
 AM Peak Hour Begins              8:00                              AM Peak Volume                      502                              AM Peak Hour Factor                      0.83  
 PM Peak Hour Begins              16:45                              PM Peak Volume                      743                              PM Peak Hour Factor                      0.95

6-Oct-15    Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	7	6	3	3	5	13	33	102	169	129	103	110
30	6	3	1	5	9	19	59	145	180	100	101	109
45	6	3	5	2	13	20	76	139	191	109	94	111
00	4	4	4	5	15	19	111	131	149	97	104	113
Hr Total	23	17	14	16	42	71	279	517	689	434	403	443

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	112	104	125	116	159	173	151	94	71	49	26	16
30	112	106	124	124	142	159	133	73	65	43	27	18
45	107	113	113	142	141	173	111	80	50	36	24	12
00	118	122	164	130	149	156	102	70	49	31	21	9
Hr Total	449	445	526	512	591	661	497	317	234	158	98	55

24 Hour Total                      7,491  
 AM Peak Hour Begins              8:00                              AM Peak Volume                      689                              AM Peak Hour Factor                      0.90  
 PM Peak Hour Begins              17:00                              PM Peak Volume                      661                              PM Peak Hour Factor                      0.95

6-Oct-15    Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	16	9	7	9	19	55	174	298	246	192	209
30	19	10	7	8	11	26	82	229	332	202	211	210
45	17	7	9	4	21	33	115	240	300	199	190	232
00	17	12	8	9	21	33	160	238	261	190	206	234
Hr Total	76	45	33	27	63	112	412	882	1191	838	799	885

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	230	226	250	242	320	352	310	224	164	109	66	47
30	224	220	262	258	292	355	273	193	153	97	73	41
45	224	248	250	286	309	347	256	181	127	88	65	39
00	244	250	309	299	344	331	232	159	118	87	54	32
Hr Total	922	944	1071	1085	1265	1385	1070	757	562	381	258	159

24 Hour Total                      15,221  
 AM Peak Hour Begins              8:00                              AM Peak Volume                      1,191                              AM Peak Hour Factor                      0.90  
 PM Peak Hour Begins              16:45                              PM Peak Volume                      1,397                              PM Peak Hour Factor                      0.98

# Roadway Count Summary

Start Date 6-Oct-15                      Start Time 00:00  
 Stop Date 8-Oct-15                      Stop Time 24:00  
 County Orange                              Station ID 154  
 Location Dr. Phillips Bv : Wallace Rd to Sand Lake Rd ( 0.20 Miles S. of Wallace Rd )

6-Oct-15    Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	22	9	6	4	2	3	19	56	135	137	112	128
30	19	10	8	3	3	6	35	76	139	126	129	144
45	16	7	4	3	8	17	56	76	139	114	131	148
00	19	12	3	4	3	13	44	97	145	110	138	173
Hr Total	75	38	21	13	16	38	154	305	558	488	510	594

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	173	191	171	158	208	241	183	172	132	84	62	44
30	169	156	187	191	210	225	176	159	124	84	63	38
45	206	190	192	208	217	182	171	134	115	69	49	40
00	190	179	188	184	245	191	170	141	103	78	42	31
Hr Total	738	716	738	741	881	839	701	606	475	314	216	154

24 Hour Total 9,929  
 AM Peak Hour Begins 12:00                      AM Peak Volume 738                      AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 16:30                      PM Peak Volume 929                      PM Peak Hour Factor 0.95

6-Oct-15    Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	9	3	4	5	9	18	51	127	167	232	160	168
30	7	5	2	6	13	34	72	141	221	165	150	154
45	5	5	4	3	17	33	99	168	236	166	158	178
00	6	6	2	5	14	34	125	133	221	151	145	195
Hr Total	27	19	11	19	52	118	347	569	846	714	613	695

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	165	155	169	193	205	212	210	136	82	52	27	17
30	168	165	171	176	199	233	176	104	72	50	32	18
45	164	162	155	188	180	234	152	107	67	43	27	15
00	173	156	184	194	207	222	145	96	53	34	23	11
Hr Total	670	638	679	751	790	900	683	442	275	179	109	61

24 Hour Total 10,209  
 AM Peak Hour Begins 8:15                      AM Peak Volume 911                      AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00                      PM Peak Volume 900                      PM Peak Hour Factor 0.96

6-Oct-15    Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	31	12	9	8	10	21	70	183	302	370	272	296
30	26	15	10	9	16	39	108	217	360	291	278	298
45	21	12	8	6	24	50	155	243	375	281	289	326
00	24	18	5	9	18	46	169	230	366	261	283	368
Hr Total	102	57	32	32	68	157	502	874	1404	1203	1123	1289

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	338	345	340	351	413	453	393	308	214	136	88	61
30	337	321	358	367	408	458	352	263	197	134	95	56
45	370	353	346	397	397	416	323	241	182	112	77	55
00	364	335	373	378	452	412	315	237	156	112	65	43
Hr Total	1408	1354	1417	1492	1671	1740	1384	1048	749	494	325	215

24 Hour Total 20,139  
 AM Peak Hour Begins 8:15                      AM Peak Volume 1,471                      AM Peak Hour Factor 0.98  
 PM Peak Hour Begins 16:45                      PM Peak Volume 1,779                      PM Peak Hour Factor 0.97

# Roadway Count Summary

Start Date 22-Sep-15 Start Time 00:00  
 Stop Date 24-Sep-15 Stop Time 24:00  
 County Orange Station ID 153  
 Location Sand Lake Rd: Dr. Phillips Bv to Turkey Lake Rd ( 0.5 Miles W. Turkey Lake Rd)

22-Sep-15 East for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	59	29	21	21	28	75	195	453	438	418	354	384
30	51	36	18	18	43	118	256	431	434	392	366	395
45	40	23	16	21	53	110	324	469	490	369	363	375
00	36	34	19	25	55	159	417	425	440	370	363	381
Hr Total	186	121	75	85	179	462	1192	1779	1802	1550	1447	1535

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	412	388	396	398	351	336	340	306	298	259	207	129
30	429	406	383	399	366	350	335	315	270	254	176	113
45	426	397	383	342	362	345	334	311	255	235	174	107
00	434	383	387	371	365	353	318	312	284	230	152	79
Hr Total	1701	1574	1550	1511	1445	1384	1326	1244	1107	978	708	428

24 Hour Total 25,367  
 AM Peak Hour Begins 8:00 AM Peak Volume 1,802 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 12:45 PM Peak Volume 1,625 PM Peak Hour Factor 0.94

22-Sep-15 Westbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	65	26	25	14	19	28	81	193	282	257	299	332
30	50	30	19	14	23	50	109	199	312	303	286	362
45	32	19	20	25	29	57	147	232	319	298	324	391
00	33	24	18	17	27	66	142	257	318	279	327	362
Hr Total	179	99	81	69	98	201	478	881	1231	1137	1236	1446

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	377	368	377	415	422	491	485	387	322	256	188	119
30	377	372	393	418	427	492	493	391	321	211	148	94
45	387	364	423	438	489	479	477	372	290	199	137	92
00	383	378	409	403	502	484	399	351	264	193	129	77
Hr Total	1523	1482	1603	1674	1841	1945	1855	1501	1197	859	602	383

24 Hour Total 23,599  
 AM Peak Hour Begins 12:00 AM Peak Volume 1,523 AM Peak Hour Factor 0.98  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,973 PM Peak Hour Factor 0.98

22-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	123	55	46	34	47	103	276	646	720	676	653	716
30	101	66	37	31	66	168	365	629	746	695	652	757
45	72	42	36	46	82	167	471	701	809	668	687	766
00	69	57	37	42	82	225	559	683	758	649	690	743
Hr Total	365	220	156	153	277	664	1670	2659	3033	2687	2683	2981

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	789	756	773	813	774	826	825	693	620	515	395	249
30	805	778	776	818	794	841	828	705	590	465	324	207
45	812	761	806	780	851	825	811	684	545	434	311	199
00	817	761	797	774	867	837	717	663	549	423	281	156
Hr Total	3223	3056	3152	3185	3286	3329	3181	2745	2304	1837	1310	811

24 Hour Total 48,966  
 AM Peak Hour Begins 12:00 AM Peak Volume 3,223 AM Peak Hour Factor 0.99  
 PM Peak Hour Begins 16:30 PM Peak Volume 3,386 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 1035  
 Location John Young Py : Oak Ridge Rd to Presidents Dr ( 0.28 Miles S. of Oak Ridge Rd )

## 6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	128	81	58	50	44	81	195	357	343	300	276	306
30	105	69	54	58	65	109	200	389	344	293	295	363
45	104	68	39	43	55	126	236	449	303	307	303	348
00	79	58	42	43	69	179	241	325	308	284	346	352
Hr Total	416	276	193	194	234	495	872	1520	1298	1183	1220	1369

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	402	373	380	400	488	471	474	377	263	229	221	160
30	405	359	387	418	502	476	459	297	236	211	229	133
45	355	345	449	514	505	486	390	283	242	205	175	148
00	329	377	417	460	509	482	347	271	263	182	138	119
Hr Total	1490	1453	1633	1793	2005	1915	1670	1228	1004	827	762	560

24 Hour Total 25,610  
 AM Peak Hour Begins 7:00 AM Peak Volume 1,520 AM Peak Hour Factor 0.85  
 PM Peak Hour Begins 16:00 PM Peak Volume 2,005 PM Peak Hour Factor 0.98

## 6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	66	45	43	41	75	136	243	439	491	356	296	289
30	65	55	40	49	83	184	343	499	511	335	274	321
45	51	44	54	67	107	238	454	540	487	357	336	316
00	54	39	46	86	127	272	473	590	494	333	318	341
Hr Total	237	183	184	242	392	830	1512	2069	1982	1381	1224	1267

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	332	383	365	339	364	391	376	279	194	189	173	128
30	360	350	376	384	426	415	366	253	207	189	149	130
45	353	386	399	390	402	390	327	219	224	184	156	105
00	365	351	413	399	420	403	295	254	204	169	139	92
Hr Total	1410	1470	1554	1512	1612	1599	1364	1005	829	731	616	456

24 Hour Total 25,662  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,132 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 16:15 PM Peak Volume 1,639 PM Peak Hour Factor 0.96

## 6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	194	126	101	90	119	217	438	796	833	656	572	595
30	170	124	94	106	148	293	543	889	855	628	569	684
45	155	112	93	110	162	364	690	989	790	664	639	664
00	133	97	89	129	196	451	714	915	802	617	664	693
Hr Total	653	459	377	436	626	1325	2384	3588	3281	2564	2444	2636

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	734	756	745	739	853	862	850	656	458	417	393	288
30	765	710	763	802	929	891	826	550	443	400	378	264
45	707	730	848	904	907	876	717	502	466	389	331	253
00	694	727	831	860	929	885	642	525	466	351	277	211
Hr Total	2900	2923	3187	3305	3618	3514	3034	2233	1833	1558	1378	1016

24 Hour Total 51,271  
 AM Peak Hour Begins 7:15 AM Peak Volume 3,626 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 16:15 PM Peak Volume 3,627 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 1034  
 Location John Young Py : Presidents Dr to Sand Lake Rd ( 0.45 Miles S. of Presidents Dr )

6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	105	70	46	28	39	75	157	387	364	329	268	281
30	108	62	47	36	62	103	199	435	356	297	226	276
45	84	66	37	38	55	147	278	482	318	272	272	323
00	69	47	33	43	85	171	312	395	315	275	261	310
Hr Total	366	246	163	146	242	497	946	1699	1353	1172	1027	1190

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	329	304	297	359	408	461	409	291	222	185	170	160
30	334	331	338	356	428	445	372	275	197	166	162	129
45	335	301	334	399	460	455	345	234	165	171	138	134
00	297	317	346	368	447	416	294	207	167	159	121	113
Hr Total	1295	1253	1314	1481	1743	1777	1420	1008	751	681	591	535

24 Hour Total 22,895  
 AM Peak Hour Begins 7:00 AM Peak Volume 1,699 AM Peak Hour Factor 0.88  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,813 PM Peak Hour Factor 0.98

6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	67	41	38	35	53	81	181	332	426	310	240	272
30	66	43	22	44	52	108	252	403	412	299	268	249
45	52	36	32	38	55	164	309	456	425	288	269	279
00	46	36	32	43	62	163	313	438	383	272	290	307
Hr Total	231	157	123	160	222	515	1056	1628	1646	1170	1066	1107

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	298	316	312	334	391	440	384	261	221	179	162	102
30	294	299	343	385	402	450	329	245	211	181	157	103
45	284	338	402	429	455	399	324	218	202	177	146	86
00	331	302	359	370	426	399	289	219	202	152	120	83
Hr Total	1206	1255	1417	1518	1674	1687	1326	943	836	689	584	374

24 Hour Total 22,591  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,732 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,771 PM Peak Hour Factor 0.97

6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	172	112	84	63	92	156	339	719	790	639	508	553
30	174	105	69	80	114	211	451	837	768	596	494	525
45	136	103	68	76	110	311	586	938	743	560	541	602
00	115	83	65	86	148	334	626	833	698	547	551	617
Hr Total	597	403	286	306	464	1012	2002	3327	2999	2342	2094	2297

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	627	620	609	692	799	901	792	552	442	363	332	261
30	628	629	681	741	830	895	701	520	408	347	319	232
45	619	639	736	828	915	853	669	452	368	348	284	220
00	627	619	705	738	873	815	583	426	368	312	240	196
Hr Total	2501	2507	2731	3000	3417	3464	2745	1951	1587	1370	1175	910

24 Hour Total 45,485  
 AM Peak Hour Begins 7:15 AM Peak Volume 3,398 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 16:30 PM Peak Volume 3,584 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 171  
 Location John Young Py : Sand Lake Rd to South Park Cr (S) ( 0.38 Miles N. of South Park Cr (S) )

## 6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	99	63	44	33	48	103	271	506	512	464	338	376
30	97	51	46	43	62	144	325	595	501	392	354	415
45	92	89	38	44	82	241	398	628	476	391	396	467
00	67	52	34	57	110	233	469	574	519	435	408	487
Hr Total	355	255	162	178	301	720	1463	2303	2007	1683	1496	1746

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	541	440	432	435	531	663	546	368	263	211	208	154
30	518	445	406	469	503	568	449	316	225	194	169	108
45	475	437	471	521	628	629	415	302	220	212	162	134
00	441	393	462	502	539	535	368	258	204	188	130	105
Hr Total	1975	1715	1772	1927	2201	2395	1778	1244	913	806	670	501

24 Hour Total 30,565  
 AM Peak Hour Begins 7:15 AM Peak Volume 2,309 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 16:45 PM Peak Volume 2,399 PM Peak Hour Factor 0.90

## 6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	89	51	45	40	46	84	181	291	385	344	235	266
30	80	53	31	38	58	100	221	388	401	279	255	283
45	63	48	39	39	70	162	291	401	402	264	300	299
00	57	44	28	43	66	158	283	429	380	281	291	295
Hr Total	289	196	143	160	239	503	976	1509	1568	1168	1081	1143

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	311	349	364	415	482	560	454	333	281	212	177	127
30	334	362	366	422	502	588	404	311	226	220	186	137
45	312	337	399	468	530	531	380	281	219	211	174	123
00	315	344	422	453	537	501	347	237	248	184	145	95
Hr Total	1271	1392	1551	1758	2051	2180	1584	1161	974	827	683	482

24 Hour Total 24,890  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,618 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 16:45 PM Peak Volume 2,216 PM Peak Hour Factor 0.94

## 6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	188	114	89	73	94	187	452	797	897	809	573	643
30	177	103	77	81	119	243	546	983	903	671	609	698
45	156	137	77	83	152	402	689	1029	878	656	696	766
00	124	97	62	101	175	391	752	1004	899	716	699	782
Hr Total	645	451	305	338	540	1224	2439	3812	3576	2851	2577	2888

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	852	789	796	850	1013	1223	1000	701	544	423	386	281
30	851	807	773	891	1005	1156	853	627	451	414	355	244
45	787	773	870	989	1158	1160	795	582	439	424	337	256
00	756	737	884	955	1075	1036	715	495	452	372	275	201
Hr Total	3246	3106	3322	3685	4252	4575	3363	2406	1887	1633	1352	982

24 Hour Total 55,456  
 AM Peak Hour Begins 7:15 AM Peak Volume 3,912 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:45 PM Peak Volume 4,615 PM Peak Hour Factor 0.94

# Roadway Count Summary

Start Date 20-Oct-15 Start Time 00:00  
 Stop Date 22-Oct-15 Stop Time 24:00  
 County Orange Station ID 7089  
 Location John Young Py : South Park Ci (S) to Beachline Ex (SR 528) ( 0.41 Miles S. of South Park Ci (S) )

20-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	78	58	44	42	51	102	242	521	646	524	369	411
30	82	50	39	43	62	149	340	642	646	473	347	394
45	62	54	39	57	82	218	440	703	672	447	401	378
00	54	39	37	52	109	260	526	715	710	443	372	422
Hr Total	275	201	158	194	304	729	1548	2580	2674	1887	1488	1605

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	414	382	351	367	365	415	430	291	191	157	137	133
30	408	366	379	381	417	434	344	269	193	137	130	116
45	403	390	398	459	443	471	331	230	168	145	153	109
00	425	374	375	424	439	433	303	244	133	133	114	92
Hr Total	1650	1513	1503	1630	1664	1754	1409	1034	685	571	534	450

24 Hour Total 28,041  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,710 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,769 PM Peak Hour Factor 0.94

20-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	118	58	47	39	43	65	166	243	326	272	241	295
30	92	53	30	42	64	86	221	293	313	265	251	271
45	79	67	42	35	65	127	237	336	314	260	256	275
00	65	45	38	49	55	139	272	325	275	221	273	365
Hr Total	355	224	157	166	227	417	895	1197	1228	1019	1021	1205

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	321	393	352	469	618	734	600	374	308	307	239	151
30	306	361	428	474	524	724	548	348	308	295	197	145
45	363	334	425	496	652	622	424	310	257	264	206	145
00	328	388	386	496	625	559	366	248	252	229	148	116
Hr Total	1319	1476	1591	1935	2419	2639	1937	1280	1125	1095	789	558

24 Hour Total 26,273  
 AM Peak Hour Begins 11:45 AM Peak Volume 1,356 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 16:30 PM Peak Volume 2,735 PM Peak Hour Factor 0.93

20-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	196	116	90	81	94	167	408	764	972	796	609	706
30	174	103	69	85	126	235	561	935	959	738	598	664
45	141	121	80	92	147	345	677	1039	986	708	657	653
00	119	85	75	102	164	399	798	1039	984	664	645	787
Hr Total	630	425	315	360	531	1146	2443	3777	3901	2906	2509	2810

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	735	775	703	837	983	1149	1030	665	499	464	377	284
30	714	728	807	855	941	1158	892	617	500	432	327	261
45	766	724	823	954	1095	1094	755	540	425	409	358	254
00	754	762	761	919	1064	992	669	492	385	361	261	208
Hr Total	2969	2989	3094	3565	4083	4392	3346	2314	1810	1666	1323	1008

24 Hour Total 54,314  
 AM Peak Hour Begins 7:30 AM Peak Volume 4,009 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 16:30 PM Peak Volume 4,466 PM Peak Hour Factor 0.96

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 348  
 Location John Young Py : Beachline Ex (SR 528) to Central Florida Py ( 0.14 Miles N. of Taft Vineland Rd )

## 6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	51	33	33	30	56	125	239	400	475	390	337	301
30	54	31	31	36	76	161	306	468	471	401	342	339
45	45	30	40	46	106	240	357	497	472	402	291	365
00	42	26	30	65	123	227	385	494	494	325	357	339
Hr Total	192	120	133	176	362	753	1287	1859	1911	1517	1327	1344

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	422	360	345	352	358	412	339	247	164	122	113	85
30	380	378	339	358	389	363	304	239	171	125	113	77
45	349	378	377	389	358	408	266	226	123	140	115	86
00	374	323	353	360	385	349	258	183	133	102	82	66
Hr Total	1525	1439	1414	1458	1491	1532	1166	895	591	489	422	315

24 Hour Total 23,719  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,937 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 16:45 PM Peak Volume 1,568 PM Peak Hour Factor 0.95

## 6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	158	100	74	48	45	79	166	307	433	368	312	347
30	147	85	66	42	45	97	251	366	433	336	321	380
45	107	106	56	43	62	143	269	405	419	316	341	389
00	99	71	53	52	76	152	284	445	396	330	343	415
Hr Total	510	362	248	185	228	470	970	1523	1681	1350	1317	1531

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	431	458	480	533	558	640	655	489	384	341	295	239
30	425	479	477	554	617	643	586	428	369	341	295	230
45	456	427	534	554	642	604	517	409	350	331	258	239
00	434	448	534	577	664	624	489	383	338	307	226	184
Hr Total	1747	1812	2024	2217	2480	2511	2247	1708	1441	1321	1074	892

24 Hour Total 31,850  
 AM Peak Hour Begins 12:00 AM Peak Volume 1,747 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:30 PM Peak Volume 2,588 PM Peak Hour Factor 0.97

## 6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	209	133	107	78	100	204	406	707	908	758	649	648
30	201	116	96	78	121	258	556	834	903	738	664	719
45	152	136	96	89	169	383	625	902	891	718	632	754
00	140	97	82	117	200	378	669	939	891	654	699	754
Hr Total	701	481	382	361	590	1223	2256	3382	3593	2867	2644	2875

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	854	819	825	884	916	1052	994	736	548	463	407	324
30	805	857	816	911	1006	1006	890	667	540	466	408	307
45	805	806	911	943	1000	1012	783	634	473	471	373	326
00	808	771	886	937	1049	973	747	566	471	409	309	250
Hr Total	3272	3252	3438	3675	3971	4043	3413	2604	2032	1810	1497	1207

24 Hour Total 55,569  
 AM Peak Hour Begins 7:30 AM Peak Volume 3,653 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 16:45 PM Peak Volume 4,118 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 6-Oct-15 Start Time 00:00  
 Stop Date 8-Oct-15 Stop Time 24:00  
 County Orange Station ID 7088  
 Location John Young Py : Whisper Lakes Bv to Deerfield Bv ( 0.17 Miles S. of Whisper Lakes Bv )

## 6-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	61	41	32	37	66	147	368	657	667	471	418	363
30	53	40	34	32	87	217	496	741	716	503	395	403
45	48	34	34	67	146	314	699	736	708	507	394	413
00	41	31	39	69	134	306	698	668	645	434	424	365
Hr Total	204	146	139	204	432	984	2261	2802	2736	1915	1631	1543

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	410	409	388	393	411	405	418	322	232	166	150	103
30	381	423	377	456	430	438	389	307	229	174	165	99
45	432	448	483	456	417	417	358	295	191	181	161	93
00	427	378	424	431	432	412	328	261	184	146	123	85
Hr Total	1650	1658	1673	1736	1690	1672	1493	1185	836	668	600	380

24 Hour Total 30,235  
 AM Peak Hour Begins 6:45 AM Peak Volume 2,832 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 14:30 PM Peak Volume 1,756 PM Peak Hour Factor 0.91

## 6-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	164	94	62	35	29	49	105	236	289	286	259	319
30	159	84	57	31	34	53	130	278	297	254	290	293
45	107	84	43	31	30	58	133	306	293	292	260	349
00	100	71	42	24	38	95	178	328	298	252	298	336
Hr Total	530	333	204	120	131	254	545	1148	1177	1084	1107	1297

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	391	371	439	498	586	721	751	443	396	322	283	221
30	392	417	490	565	653	739	716	495	380	307	258	226
45	353	445	500	589	671	764	581	429	323	300	238	253
00	384	383	521	628	739	726	544	382	343	277	199	183
Hr Total	1520	1617	1950	2280	2649	2950	2592	1750	1441	1207	977	884

24 Hour Total 29,746  
 AM Peak Hour Begins 12:00 AM Peak Volume 1,520 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:15 PM Peak Volume 2,980 PM Peak Hour Factor 0.98

## 6-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	225	135	94	72	95	196	473	893	956	757	677	682
30	212	124	90	62	121	269	625	1019	1013	757	685	695
45	156	118	77	97	176	372	832	1042	1002	799	654	762
00	141	102	82	93	172	401	876	996	943	686	722	700
Hr Total	734	479	343	324	563	1238	2806	3950	3913	2999	2738	2840

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	801	780	828	891	997	1126	1169	766	628	488	433	324
30	773	840	867	1021	1084	1177	1105	802	609	481	423	325
45	785	893	983	1045	1088	1181	939	725	513	482	399	346
00	811	761	945	1059	1171	1138	872	643	527	423	322	268
Hr Total	3170	3275	3622	4016	4339	4622	4085	2935	2277	1874	1577	1263

24 Hour Total 59,982  
 AM Peak Hour Begins 7:15 AM Peak Volume 4,013 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:15 PM Peak Volume 4,665 PM Peak Hour Factor 0.99

# Roadway Count Summary

Start Date 22-Sep-15 Start Time 00:00  
 Stop Date 24-Sep-15 Stop Time 24:00  
 County Orange Station ID 6031  
 Location Oak Ridge Rd: Harcourt Av to John Young Py ( 400 Ft W. Eaglewood Dr)

22-Sep-15 East for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	83	55	24	29	27	53	129	203	282	258	178	192
30	66	36	26	26	30	75	175	267	294	227	166	201
45	55	32	23	25	44	103	224	308	289	183	174	201
00	51	36	27	31	45	128	215	343	277	165	182	203
Hr Total	255	160	100	111	146	358	742	1122	1142	834	701	796

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	203	235	248	256	256	302	313	256	203	144	127	125
30	227	227	244	234	311	301	298	256	197	155	140	124
45	198	222	248	272	287	306	254	242	176	133	112	99
00	211	227	261	289	278	314	262	217	161	134	103	92
Hr Total	839	911	1001	1051	1132	1222	1127	971	737	566	482	441

24 Hour Total 16,945  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,227 AM Peak Hour Factor 0.89  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,234 PM Peak Hour Factor 0.98

22-Sep-15 Westbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	65	41	24	21	17	23	70	151	251	163	153	189
30	60	34	23	19	16	30	105	203	186	184	162	198
45	52	38	18	22	23	41	127	232	167	175	170	215
00	47	27	24	19	28	79	128	280	173	171	185	230
Hr Total	224	140	90	81	84	173	430	865	778	693	669	832

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	228	227	243	235	251	314	340	251	215	179	155	91
30	222	216	265	281	330	345	336	252	208	186	134	91
45	216	250	275	305	300	340	309	262	208	175	115	86
00	237	255	263	280	301	352	260	239	203	157	124	70
Hr Total	904	949	1047	1101	1182	1351	1246	1004	835	697	527	338

24 Hour Total 16,240  
 AM Peak Hour Begins 7:15 AM Peak Volume 966 AM Peak Hour Factor 0.86  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,377 PM Peak Hour Factor 0.98

22-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	148	95	49	50	43	75	199	353	533	422	331	381
30	126	71	49	45	46	105	279	470	480	411	328	399
45	107	70	41	47	67	144	351	540	456	359	344	416
00	98	64	51	50	74	207	344	623	450	336	367	433
Hr Total	479	300	190	192	230	531	1173	1987	1919	1527	1370	1628

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	431	462	491	491	506	616	653	507	418	323	282	216
30	449	444	509	515	641	646	635	508	406	341	274	216
45	415	473	524	577	587	646	563	504	384	308	227	185
00	448	482	525	569	579	666	522	456	364	291	227	162
Hr Total	1742	1860	2048	2152	2314	2574	2373	1975	1572	1263	1009	779

24 Hour Total 33,185  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,177 AM Peak Hour Factor 0.87  
 PM Peak Hour Begins 17:15 PM Peak Volume 2,611 PM Peak Hour Factor 0.98



# Roadway Count Summary

Start Date 15-Sep-15 Start Time 00:00  
 Stop Date 17-Sep-15 Stop Time 24:00  
 County Orange Station ID 201  
 Location Orange Av: Landstreet Rd to Taft-Vineland Rd ( 0.25 Miles N. Thorpe Rd)

15-Sep-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	38	32	29	30	51	96	207	384	332	246	231	240
30	39	26	30	45	53	105	242	373	342	249	262	232
45	42	29	26	52	79	170	292	345	331	272	232	238
00	36	22	43	44	83	182	359	334	325	249	228	229
Hr Total	155	108	128	171	266	553	1100	1436	1330	1016	954	939

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	253	238	223	264	260	299	241	185	115	89	89	68
30	231	233	245	267	243	266	228	168	114	86	79	50
45	244	244	255	267	286	277	216	144	100	93	99	44
00	237	250	231	275	239	212	178	124	86	91	67	48
Hr Total	965	966	954	1073	1028	1053	863	621	414	359	335	210

24 Hour Total 16,996  
 AM Peak Hour Begins 6:45 AM Peak Volume 1,461 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,089 PM Peak Hour Factor 0.91

15-Sep-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	36	39	28	38	37	51	130	168	226	178	167	176
30	57	35	30	35	39	59	125	183	197	188	173	177
45	51	35	28	35	32	50	148	182	178	196	179	172
00	56	34	49	37	38	72	168	197	200	190	173	195
Hr Total	199	143	135	145	146	232	571	731	800	752	692	720

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	190	231	229	251	305	355	327	239	197	138	126	90
30	226	213	240	259	295	361	322	203	166	128	121	81
45	240	222	254	277	340	362	303	217	154	136	115	80
00	231	235	244	285	375	367	287	198	142	146	98	76
Hr Total	887	901	967	1072	1314	1445	1239	857	659	548	460	328

24 Hour Total 15,942  
 AM Peak Hour Begins 12:15 AM Peak Volume 928 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 16:45 PM Peak Volume 1,453 PM Peak Hour Factor 0.97

15-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	74	71	57	68	88	148	336	552	558	424	398	416
30	95	61	61	79	92	164	367	556	539	437	435	409
45	93	63	54	87	112	220	441	527	508	468	411	410
00	91	56	92	81	120	254	527	531	525	439	401	424
Hr Total	354	251	263	315	412	785	1671	2167	2130	1768	1646	1659

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	443	469	452	515	565	653	568	425	312	227	215	158
30	457	446	485	526	538	627	550	371	280	214	200	131
45	484	466	509	544	625	639	518	360	254	229	215	124
00	468	485	474	560	614	579	466	322	228	237	165	125
Hr Total	1852	1866	1921	2146	2342	2498	2102	1478	1073	907	795	538

24 Hour Total 32,939  
 AM Peak Hour Begins 7:15 AM Peak Volume 2,173 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 16:45 PM Peak Volume 2,533 PM Peak Hour Factor 0.97







# Roadway Count Summary

Start Date 06-Oct-15 Start Time 00:00  
 Stop Date 08-Oct-15 Stop Time 24:00  
 County Orange Station ID 431  
 Location Wetherbee Rd: Florida's Turnpike to Orange Av ( 1.0 Miles E. Florida's Turnpike)

06-Oct-15 East for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	26	18	14	10	10	29	64	124	140	138	90	100
30	32	13	14	13	15	26	96	121	156	113	92	108
45	28	15	13	12	26	48	157	121	133	95	107	105
00	22	17	8	14	27	40	143	121	127	96	89	112
Hr Total	108	63	48	49	78	143	460	488	555	441	378	425

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	118	133	149	149	164	182	203	149	126	103	76	49
30	137	145	138	152	174	184	162	146	119	95	64	45
45	132	140	154	151	171	192	180	130	117	88	60	48
00	123	148	144	165	170	194	160	137	107	71	52	44
Hr Total	510	566	585	617	679	753	705	562	468	357	252	187

24 Hour Total 9,478  
 AM Peak Hour Begins 8:00 AM Peak Volume 555 AM Peak Hour Factor 0.89  
 PM Peak Hour Begins 17:15 PM Peak Volume 774 PM Peak Hour Factor 0.95

06-Oct-15 Westbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	21	18	8	8	10	32	58	123	131	123	98	111
30	22	19	11	9	18	38	76	141	130	146	104	116
45	16	16	13	12	33	41	93	132	153	105	111	120
00	16	10	10	18	27	44	113	122	145	115	97	111
Hr Total	75	64	42	47	88	155	341	518	559	488	411	458

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	130	125	129	169	196	187	193	137	99	83	70	39
30	124	124	157	167	183	219	178	141	103	82	51	36
45	118	133	150	167	185	206	149	136	103	78	54	34
00	122	124	154	171	178	201	139	114	89	64	40	21
Hr Total	494	507	590	674	741	813	659	527	394	307	215	130

24 Hour Total 9,299  
 AM Peak Hour Begins 8:30 AM Peak Volume 566 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 17:15 PM Peak Volume 819 PM Peak Hour Factor 0.93

06-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	47	36	22	18	20	61	122	247	271	261	188	211
30	54	32	24	22	33	64	172	262	285	258	197	224
45	44	32	26	24	59	89	250	253	286	200	218	225
00	38	27	18	32	54	84	256	243	272	211	186	223
Hr Total	184	127	90	96	166	298	800	1006	1114	930	789	883

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	248	258	278	318	360	370	396	286	225	186	146	88
30	262	268	294	320	357	403	340	287	221	177	115	82
45	250	274	305	318	356	398	329	266	220	165	113	82
00	245	272	299	336	347	395	299	251	195	135	92	66
Hr Total	1005	1073	1176	1292	1420	1566	1364	1089	862	664	467	317

24 Hour Total 18,777  
 AM Peak Hour Begins 8:00 AM Peak Volume 1,114 AM Peak Hour Factor 0.98  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,592 PM Peak Hour Factor 0.99

# Roadway Count Summary

Start Date 13-Oct-15 Start Time 00:00  
 Stop Date 15-Oct-15 Stop Time 24:00  
 County Orange Station ID 410  
 Location Landstar Bv : Wetherbee Rd to Greenway (SR 417) ( 0.25 Miles N. of Greenway (SR 417))

13-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	26	17	12	24	57	111	181	253	173	117	109
30	29	16	18	21	37	70	149	207	291	153	125	149
45	37	19	25	38	51	84	194	224	246	119	131	129
00	31	19	14	28	43	110	183	247	193	117	117	137
Hr Total	132	79	74	100	156	321	636	860	983	562	489	524

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	138	153	150	186	205	207	230	189	136	132	80	59
30	151	153	160	184	187	230	202	155	132	123	81	55
45	147	151	192	208	182	252	201	157	135	106	74	54
00	155	162	204	200	199	240	205	146	122	99	62	54
Hr Total	591	619	705	778	773	929	838	648	525	460	297	222

24 Hour Total 12,301  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,037 AM Peak Hour Factor 0.89  
 PM Peak Hour Begins 17:15 PM Peak Volume 952 PM Peak Hour Factor 0.95

13-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	32	24	13	11	17	35	49	136	158	138	101	135
30	33	24	18	13	19	31	80	164	211	131	107	95
45	29	23	13	14	28	41	105	161	235	126	111	124
00	34	16	11	12	27	45	120	157	180	116	109	138
Hr Total	128	86	56	50	91	152	354	618	784	511	427	492

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	130	142	151	259	247	251	252	192	132	129	87	46
30	141	131	168	223	255	273	240	182	145	123	89	57
45	134	152	178	212	236	263	228	150	116	99	64	50
00	135	144	191	211	209	270	215	158	128	90	66	49
Hr Total	541	569	687	905	946	1058	934	682	521	442	306	201

24 Hour Total 11,542  
 AM Peak Hour Begins 8:00 AM Peak Volume 784 AM Peak Hour Factor 0.83  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,059 PM Peak Hour Factor 0.97

13-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	66	50	30	23	41	92	160	317	411	311	218	244
30	62	39	36	34	56	101	229	371	502	284	231	244
45	67	42	38	53	79	125	299	385	481	246	242	254
00	65	34	26	41	70	156	303	405	373	233	225	275
Hr Total	260	166	130	150	247	473	990	1477	1767	1073	917	1016

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	268	295	301	445	451	459	482	381	268	261	166	104
30	292	284	327	407	442	503	442	337	277	247	170	111
45	281	303	370	420	418	515	428	308	251	205	138	104
00	290	306	394	411	408	510	420	305	250	190	128	103
Hr Total	1131	1189	1392	1682	1719	1987	1773	1330	1046	902	603	422

24 Hour Total 23,843  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,799 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 17:15 PM Peak Volume 2,011 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 10-Nov-15 Start Time 00:00  
 Stop Date 12-Nov-15 Stop Time 24:00  
 County Orange Station ID 137  
 Location Winter Garden-Vineland Rd: Tilden Rd to Ficquett Rd ( 0.25 Miles S. Tilden Rd)

10-Nov-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	55	25	20	13	9	29	97	301	308	303	244	245
30	56	20	15	12	9	39	141	327	355	265	236	266
45	44	23	12	8	15	59	273	358	369	278	261	254
00	44	17	14	9	24	87	294	374	360	256	256	279
Hr Total	199	85	60	42	58	214	805	1360	1393	1103	997	1044

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	256	259	257	333	376	440	368	216	160	112	78	77
30	271	261	298	384	396	447	355	202	162	101	77	78
45	234	252	306	371	359	455	354	177	151	101	80	64
00	263	282	318	431	444	428	296	172	134	89	73	69
Hr Total	1024	1054	1179	1519	1575	1771	1374	767	607	403	308	287

24 Hour Total 19,228  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,407 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 16:45 PM Peak Volume 1,786 PM Peak Hour Factor 1.00

10-Nov-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	36	13	17	13	41	63	175	338	349	273	205	235
30	24	14	10	23	49	95	197	386	340	270	231	242
45	17	14	11	25	59	119	245	345	311	230	228	223
00	17	12	14	31	52	131	284	332	310	223	231	240
Hr Total	95	53	52	91	200	408	900	1401	1311	995	895	940

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	244	264	288	325	309	330	353	280	222	189	139	64
30	263	292	325	336	338	339	360	272	237	163	113	53
45	261	298	335	325	305	340	349	266	207	151	85	44
00	257	294	335	325	335	352	318	255	185	133	79	29
Hr Total	1026	1148	1283	1311	1287	1361	1380	1072	851	635	416	190

24 Hour Total 19,302  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,412 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 17:45 PM Peak Volume 1,413 PM Peak Hour Factor 0.98

10-Nov-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	92	39	37	26	49	92	272	640	657	576	449	480
30	80	34	25	35	58	134	338	712	695	535	467	508
45	61	36	23	33	74	178	518	703	681	508	489	477
00	61	29	28	40	76	218	578	706	671	479	487	519
Hr Total	294	138	113	133	258	622	1705	2761	2704	2098	1893	1984

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	501	524	545	658	686	770	721	496	382	300	217	140
30	533	552	622	720	734	787	716	474	399	263	190	131
45	496	550	641	696	664	794	703	443	358	252	165	108
00	520	575	653	756	779	780	614	427	319	222	152	98
Hr Total	2050	2201	2462	2830	2862	3131	2754	1839	1458	1037	723	477

24 Hour Total 38,530  
 AM Peak Hour Begins 7:15 AM Peak Volume 2,779 AM Peak Hour Factor 0.98  
 PM Peak Hour Begins 17:00 PM Peak Volume 3,131 PM Peak Hour Factor 0.99



# Roadway Count Summary

Start Date 10-Nov-15 Start Time 00:00  
 Stop Date 12-Nov-15 Stop Time 24:00  
 County Orange Station ID 138  
 Location Winter Garden-Vineland Rd: Ficquett Rd to Chase Rd ( 0.54 Miles N. Chase Rd)

10-Nov-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	49	13	10	8	5	14	41	155	232	137	119	132
30	32	21	9	5	4	18	69	298	222	125	132	134
45	33	14	10	5	10	28	118	267	187	132	128	141
00	30	17	11	5	10	36	113	179	189	117	127	126
Hr Total	143	65	40	24	30	96	341	899	830	511	505	534

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	131	150	181	209	245	300	304	160	100	73	73	66
30	138	146	191	259	263	364	265	145	94	93	71	55
45	130	158	240	255	269	296	206	133	94	85	58	55
00	139	169	223	279	328	320	172	113	85	77	58	60
Hr Total	539	622	835	1002	1104	1280	947	551	373	328	260	236

24 Hour Total 12,096  
 AM Peak Hour Begins 7:15 AM Peak Volume 976 AM Peak Hour Factor 0.82  
 PM Peak Hour Begins 16:45 PM Peak Volume 1,288 PM Peak Hour Factor 0.89

10-Nov-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	16	7	8	7	25	40	101	246	258	185	152	125
30	12	8	5	12	37	68	140	264	280	186	139	141
45	10	7	6	13	38	88	172	298	213	145	136	133
00	8	6	5	16	27	78	184	321	202	133	129	131
Hr Total	45	28	25	48	127	274	596	1129	953	649	556	530

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	139	134	169	207	193	183	185	137	98	75	65	26
30	151	137	186	221	188	210	178	134	96	72	50	25
45	149	157	194	215	186	199	155	112	107	65	36	21
00	138	144	183	186	186	209	148	102	88	72	37	14
Hr Total	577	572	732	829	754	801	666	486	389	284	188	86

24 Hour Total 11,326  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,158 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 15:00 PM Peak Volume 829 PM Peak Hour Factor 0.94

10-Nov-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	65	20	19	16	30	54	141	401	489	323	271	258
30	44	29	14	17	41	86	209	562	503	311	271	275
45	43	22	16	18	48	116	290	566	401	276	264	274
00	37	23	16	21	37	113	297	501	391	250	256	257
Hr Total	189	93	65	72	157	370	937	2029	1783	1160	1062	1064

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	270	283	350	416	438	483	490	297	198	148	138	92
30	290	283	378	480	451	574	442	279	191	165	121	80
45	279	315	433	470	455	495	361	245	201	150	94	76
00	277	313	406	465	514	529	320	216	172	149	95	74
Hr Total	1117	1194	1567	1830	1858	2082	1613	1037	762	612	448	322

24 Hour Total 23,423  
 AM Peak Hour Begins 7:15 AM Peak Volume 2,117 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 17:15 PM Peak Volume 2,088 PM Peak Hour Factor 0.91

# Roadway Count Summary

Start Date 10-Nov-15 Start Time 00:00  
 Stop Date 12-Nov-15 Stop Time 24:00  
 County Orange Station ID 6008  
 Location Winter Garden-Vineland Rd: Chase Rd to Overstreet Rd ( 0.11 Miles S. Chase Rd)

10-Nov-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	74	30	21	13	7	15	44	114	190	129	108	119
30	66	33	18	9	9	20	60	186	205	132	112	130
45	54	22	14	11	9	26	89	186	157	135	126	146
00	49	23	14	11	13	34	107	168	151	114	122	129
Hr Total	243	108	66	44	38	95	300	653	704	510	468	525

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	148	145	177	233	263	334	351	184	132	116	106	97
30	143	155	186	218	266	387	297	154	140	139	105	91
45	140	170	213	256	303	352	236	164	120	124	86	84
00	154	180	214	253	326	357	209	148	102	117	89	89
Hr Total	584	650	791	959	1158	1429	1093	650	494	495	386	361

24 Hour Total 12,806  
 AM Peak Hour Begins 7:30 AM Peak Volume 749 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,446 PM Peak Hour Factor 0.94

10-Nov-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	17	15	10	9	21	39	104	227	318	262	153	137
30	24	12	11	10	31	60	144	270	306	223	167	134
45	22	11	11	15	46	89	166	307	300	194	152	145
00	21	11	15	15	51	105	205	328	327	173	138	140
Hr Total	83	50	46	49	150	292	619	1132	1251	851	610	556

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	142	153	143	142	175	172	179	135	107	91	79	49
30	142	141	139	170	179	183	167	121	86	70	81	39
45	156	141	179	183	163	180	160	121	91	78	67	50
00	154	149	174	181	179	180	146	103	89	61	48	32
Hr Total	594	585	634	677	696	714	651	480	373	300	275	170

24 Hour Total 11,839  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,258 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:15 PM Peak Volume 722 PM Peak Hour Factor 0.99

10-Nov-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	91	45	30	22	29	53	148	341	508	391	261	256
30	90	45	28	19	41	80	205	456	511	355	279	264
45	76	33	25	26	54	115	255	492	457	329	278	291
00	69	34	29	26	64	140	312	496	478	287	261	269
Hr Total	326	158	112	93	188	388	919	1785	1955	1361	1079	1081

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	290	298	320	375	438	505	530	319	239	207	185	146
30	285	296	325	388	445	569	464	275	226	209	187	130
45	296	311	393	439	465	532	396	285	211	202	153	134
00	308	330	388	434	505	537	354	251	191	178	137	121
Hr Total	1178	1235	1425	1636	1854	2143	1745	1130	867	795	662	531

24 Hour Total 24,645  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,007 AM Peak Hour Factor 0.98  
 PM Peak Hour Begins 17:15 PM Peak Volume 2,168 PM Peak Hour Factor 0.95

# Roadway Count Summary

Start Date 01-Dec-15 Start Time 00:00  
 Stop Date 03-Dec-15 Stop Time 24:00  
 County Orange Station ID 8014  
 Location Winter Garden-Vineland Rd: Overstreet Rd to Lachlan Ln ( 400 Ft N. Lachlan Ln)

01-Dec-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	68	40	26	10	7	18	43	167	245	200	157	159
30	67	36	20	8	8	21	62	236	320	181	156	172
45	62	24	15	6	13	30	112	235	280	170	168	182
00	56	25	14	4	12	31	128	215	220	161	173	169
Hr Total	252	125	75	27	40	100	346	854	1066	712	655	682

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	193	212	224	288	322	426	382	225	161	117	108	98
30	197	196	228	280	337	485	361	197	145	134	104	98
45	198	205	257	305	368	457	291	169	152	134	116	96
00	200	240	271	308	410	469	245	166	108	116	108	90
Hr Total	788	853	980	1181	1436	1837	1279	758	567	501	436	382

24 Hour Total 15,933  
 AM Peak Hour Begins 8:00 AM Peak Volume 1,066 AM Peak Hour Factor 0.83  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,837 PM Peak Hour Factor 0.95

01-Dec-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	26	12	8	13	36	45	148	305	341	325	201	203
30	21	12	8	13	41	89	171	382	411	254	199	172
45	17	12	14	14	55	113	250	386	441	242	187	202
00	15	12	7	28	43	106	270	449	405	209	177	203
Hr Total	78	48	37	68	175	354	839	1521	1598	1030	764	780

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	214	207	194	233	229	261	231	185	119	99	92	63
30	235	223	249	301	252	267	225	161	128	108	81	60
45	213	219	233	274	223	264	194	154	121	90	74	34
00	210	202	223	245	240	233	186	136	111	90	51	28
Hr Total	872	852	898	1052	945	1025	836	636	479	387	298	185

24 Hour Total 15,758  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,642 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 15:00 PM Peak Volume 1,052 PM Peak Hour Factor 0.88

01-Dec-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	94	53	34	23	43	63	191	472	586	525	359	362
30	88	48	28	21	49	110	233	618	731	435	355	344
45	78	36	29	19	68	143	363	621	721	412	356	384
00	71	37	21	32	56	137	398	664	625	370	350	372
Hr Total	331	173	112	95	215	453	1185	2375	2664	1742	1419	1462

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	407	419	418	521	551	687	613	410	280	216	200	161
30	432	420	477	581	589	752	586	359	274	242	185	158
45	411	424	490	579	591	721	484	323	273	224	189	131
00	410	443	494	553	650	702	431	302	219	206	160	118
Hr Total	1660	1706	1878	2233	2381	2862	2115	1394	1046	889	734	567

24 Hour Total 31,691  
 AM Peak Hour Begins 7:45 AM Peak Volume 2,703 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,862 PM Peak Hour Factor 0.95

# Roadway Count Summary

Start Date 10-Nov-15 Start Time 00:00  
 Stop Date 12-Nov-15 Stop Time 24:00  
 County Orange Station ID 141  
 Location Winter Garden-Vineland Rd: Reams Rd to Sunset Bv ( 0.2 Miles W. Sunset Bv)

10-Nov-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	73	44	24	11	26	55	152	313	381	291	187	156
30	79	32	14	17	43	82	191	375	374	211	181	165
45	55	30	24	20	54	105	231	429	410	213	191	169
00	48	29	18	24	54	122	263	411	313	195	163	166
Hr Total	254	135	80	72	176	365	838	1528	1477	909	722	655

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	158	172	163	213	211	211	198	136	92	102	88	61
30	181	166	195	205	210	244	203	132	97	109	90	68
45	176	163	203	219	206	223	164	106	93	85	76	71
00	170	168	176	200	204	218	144	106	86	100	69	64
Hr Total	685	669	738	837	830	896	708	480	367	396	323	264

24 Hour Total 14,405  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,596 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 17:00 PM Peak Volume 896 PM Peak Hour Factor 0.92

10-Nov-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	83	34	25	16	21	19	65	136	189	145	123	136
30	69	35	25	14	15	22	85	174	181	136	136	145
45	52	23	17	17	18	36	116	183	147	155	137	142
00	50	29	22	19	10	55	126	165	152	131	143	130
Hr Total	254	121	88	67	64	132	392	658	669	567	539	553

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	155	166	191	235	290	378	358	211	161	162	171	120
30	172	180	222	253	289	425	326	197	167	215	169	105
45	145	191	207	287	327	415	278	182	153	216	128	113
00	170	191	251	279	354	418	239	170	154	181	123	91
Hr Total	642	728	871	1054	1260	1635	1200	760	635	774	590	430

24 Hour Total 14,684  
 AM Peak Hour Begins 7:30 AM Peak Volume 718 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,635 PM Peak Hour Factor 0.96

10-Nov-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	156	78	48	27	47	74	217	449	570	435	310	292
30	148	67	39	31	58	105	276	548	555	347	317	310
45	107	53	41	37	72	140	347	612	557	368	328	311
00	97	58	39	43	64	178	389	576	465	326	306	296
Hr Total	508	256	168	139	240	497	1230	2185	2147	1476	1261	1208

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	314	339	354	448	500	589	556	347	252	264	259	181
30	353	346	417	458	499	669	528	329	264	324	259	173
45	321	353	411	506	533	637	441	288	246	301	204	184
00	340	359	427	480	558	636	382	276	239	281	192	155
Hr Total	1327	1397	1609	1891	2090	2531	1908	1239	1002	1171	913	694

24 Hour Total 29,089  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,313 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,531 PM Peak Hour Factor 0.95



# Roadway Count Summary

Start Date 10-Nov-15 Start Time 00:00  
 Stop Date 12-Nov-15 Stop Time 24:00  
 County Orange Station ID 6011  
 Location Winter Garden-Vineland Rd: Centurion Ct to Buena Vista Dr ( 0.4 Miles W. Vista Bv)

10-Nov-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	74	42	25	12	27	63	168	380	451	322	215	184
30	80	33	14	18	48	94	227	411	438	253	203	191
45	55	33	25	24	59	119	257	464	448	250	216	197
00	47	31	18	25	59	136	288	436	364	227	186	186
Hr Total	256	138	82	79	193	411	940	1692	1700	1052	820	758

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	179	192	180	217	229	228	210	142	91	103	89	62
30	198	190	205	214	218	240	199	142	97	108	94	69
45	195	190	224	248	228	237	173	110	95	97	85	73
00	189	197	196	213	210	230	145	108	87	105	74	68
Hr Total	761	769	805	891	885	935	727	501	370	413	343	273

24 Hour Total 15,796  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,789 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00 PM Peak Volume 935 PM Peak Hour Factor 0.97

10-Nov-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	102	43	27	20	20	19	64	152	178	140	131	141
30	75	37	27	19	17	28	104	179	146	149	139	150
45	61	32	22	17	26	47	108	165	151	145	134	142
00	50	29	24	22	21	63	133	168	136	135	153	153
Hr Total	288	142	101	78	84	157	409	664	611	569	557	585

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	162	183	230	251	323	440	383	242	194	209	200	133
30	170	182	234	284	295	448	340	210	193	257	188	128
45	169	217	227	308	363	467	306	213	179	233	136	127
00	180	193	256	294	373	428	263	186	179	202	150	107
Hr Total	680	775	947	1136	1354	1783	1292	851	745	901	674	496

24 Hour Total 15,879  
 AM Peak Hour Begins 12:30 AM Peak Volume 713 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,783 PM Peak Hour Factor 0.95

10-Nov-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	176	85	53	32	47	82	232	532	628	462	346	325
30	155	70	41	37	65	122	330	591	584	402	342	341
45	116	65	47	40	85	166	365	629	599	395	350	338
00	97	60	42	47	80	199	421	604	499	362	339	339
Hr Total	544	280	183	157	277	568	1349	2356	2310	1621	1377	1343

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	341	375	410	468	552	667	593	384	285	312	289	195
30	367	372	440	497	513	688	539	352	291	365	282	197
45	364	407	451	555	591	704	479	322	274	330	221	200
00	369	390	452	507	583	659	408	294	266	307	224	175
Hr Total	1441	1544	1753	2028	2238	2719	2019	1352	1116	1314	1017	768

24 Hour Total 31,674  
 AM Peak Hour Begins 7:15 AM Peak Volume 2,452 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,719 PM Peak Hour Factor 0.96



# Roadway Count Summary

Start Date 13-Oct-15 Start Time 00:00  
 Stop Date 15-Oct-15 Stop Time 24:00  
 County Orange Station ID 8090  
 Location Universal Bv: Pointe Plaza Av to Destination Py ( 0.5 Miles S. Pointe Plaza)

13-Oct-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	36	16	8	5	7	22	46	129	197	139	107	95
30	32	11	9	4	9	29	69	154	185	122	133	102
45	36	8	5	6	18	43	93	198	168	110	113	131
00	21	10	4	6	19	55	129	195	175	116	99	125
Hr Total	124	45	26	21	53	149	337	676	725	486	452	454

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	117	96	110	147	162	205	223	154	100	73	64	56
30	112	98	106	130	161	198	212	129	88	75	66	39
45	110	122	125	159	202	215	183	136	78	68	53	51
00	105	122	151	152	210	233	167	121	80	74	52	40
Hr Total	444	438	492	589	735	851	784	539	347	290	236	185

24 Hour Total 9,479  
 AM Peak Hour Begins 7:30 AM Peak Volume 775 AM Peak Hour Factor 0.98  
 PM Peak Hour Begins 17:30 PM Peak Volume 883 PM Peak Hour Factor 0.95

13-Oct-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	61	33	28	8	8	12	21	62	74	71	85	84
30	53	31	19	7	8	16	33	73	84	65	69	73
45	48	23	15	12	11	18	61	90	85	71	80	78
00	32	29	13	8	13	23	67	92	85	74	72	84
Hr Total	194	117	76	35	40	69	182	317	328	281	306	320

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	91	116	98	126	187	247	197	138	98	100	110	101
30	91	108	109	138	177	248	175	115	116	110	111	107
45	93	117	133	152	221	235	164	124	108	107	110	93
00	99	104	133	151	217	206	145	131	105	123	98	86
Hr Total	374	445	473	566	803	936	682	509	428	440	429	386

24 Hour Total 8,734  
 AM Peak Hour Begins 12:30 AM Peak Volume 416 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 16:45 PM Peak Volume 947 PM Peak Hour Factor 0.95

13-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	96	49	36	14	15	34	67	191	271	209	193	179
30	85	43	28	11	16	45	102	227	269	187	202	176
45	84	31	20	18	29	61	154	288	252	180	193	210
00	53	39	17	14	33	78	196	287	260	190	171	209
Hr Total	318	163	101	56	93	218	519	993	1053	767	758	774

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	207	212	209	273	349	452	420	292	198	173	174	156
30	203	206	215	269	338	446	387	244	205	185	178	146
45	203	240	258	311	423	450	347	260	186	175	164	144
00	204	226	283	302	427	439	312	252	186	197	150	125
Hr Total	818	883	965	1155	1537	1787	1466	1048	774	730	665	571

24 Hour Total 18,213  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,116 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,787 PM Peak Hour Factor 0.99

# Roadway Count Summary

Start Date 13-Oct-15                      Start Time                      00:00  
 Stop Date 15-Oct-15                      Stop Time                      24:00  
 County Orange                              Station ID                      8023  
 Location Universal Bv: Destination Pkwy to North of Hwy 528 ramp ( 600 Ft S Rosen Center)

13-Oct-15    East for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	38	21	11	8	12	49	73	190	323	211	217	137
30	35	20	10	7	15	58	120	246	322	191	235	149
45	30	11	9	11	31	79	221	296	348	161	161	184
00	28	19	8	13	54	109	239	313	340	200	143	196
Hr Total	131	72	38	39	112	295	652	1045	1332	763	755	666

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	147	167	132	152	183	211	233	158	99	86	64	59
30	138	167	159	167	203	235	197	141	102	93	75	50
45	140	151	196	188	223	230	181	129	103	90	73	59
00	146	162	216	182	231	274	157	131	93	87	74	55
Hr Total	570	646	703	688	840	950	768	560	396	356	286	222

24 Hour Total                      12,885  
 AM Peak Hour Begins            8:00                              AM Peak Volume                      1,332                      AM Peak Hour Factor                      0.96  
 PM Peak Hour Begins            17:15                              PM Peak Volume                      972                              PM Peak Hour Factor                      0.89

13-Oct-15    Westbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	70	34	28	10	11	17	37	75	107	101	119	151
30	65	31	23	8	8	23	38	89	118	105	161	143
45	58	33	19	8	13	28	67	125	149	106	136	149
00	39	31	9	13	15	36	80	115	134	107	128	181
Hr Total	231	129	79	39	47	105	222	404	508	419	545	624

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	171	177	229	279	312	371	324	201	165	137	132	119
30	179	198	209	250	344	381	273	206	154	131	107	123
45	157	208	234	264	362	353	245	178	143	120	127	117
00	157	196	251	228	332	332	234	178	144	149	107	94
Hr Total	665	779	923	1021	1350	1437	1075	763	606	537	472	452

24 Hour Total                      13,432  
 AM Peak Hour Begins            11:45                              AM Peak Volume                      689                              AM Peak Hour Factor                      0.95  
 PM Peak Hour Begins            16:30                              PM Peak Volume                      1,445                              PM Peak Hour Factor                      0.95

13-Oct-15    Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	108	56	39	18	23	67	110	266	430	312	336	288
30	100	51	34	15	24	81	158	335	440	295	396	292
45	88	43	28	19	44	107	288	421	497	267	297	332
00	67	50	17	26	69	145	319	428	474	307	271	377
Hr Total	362	200	117	79	159	400	875	1449	1841	1181	1300	1289

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	318	344	361	431	495	582	557	359	263	223	196	178
30	317	364	368	417	547	615	470	347	256	223	182	172
45	297	359	430	452	586	583	426	308	246	210	200	175
00	303	358	467	410	562	606	391	309	237	236	180	149
Hr Total	1235	1425	1626	1709	2189	2387	1843	1323	1002	892	758	674

24 Hour Total                      26,317  
 AM Peak Hour Begins            8:00                              AM Peak Volume                      1,841                              AM Peak Hour Factor                      0.93  
 PM Peak Hour Begins            17:00                              PM Peak Volume                      2,387                              PM Peak Hour Factor                      0.97

# Roadway Count Summary

Start Date 13-Oct-15 Start Time 00:00  
 Stop Date 15-Oct-15 Stop Time 24:00  
 County Orange Station ID 609  
 Location Kirkman Rd : Metro West Bv to Conroy-Windermere Rd ( 0.34 Miles N. of Conroy Windermere Rd )

## 13-Oct-15 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	207	122	88	41	30	66	155	397	463	365	339	368
30	169	113	70	36	43	80	183	392	430	416	335	354
45	160	113	62	31	37	89	220	485	414	400	339	357
00	153	80	52	28	46	103	274	472	357	320	380	371
Hr Total	688	429	272	136	156	338	833	1747	1664	1500	1393	1451

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	416	409	453	518	536	577	522	426	361	317	336	311
30	433	439	444	534	532	569	511	413	298	282	310	245
45	409	456	499	558	560	566	496	381	309	281	256	255
00	408	462	471	574	581	529	410	370	298	268	241	235
Hr Total	1666	1766	1867	2183	2209	2241	1940	1590	1266	1148	1143	1047

24 Hour Total 30,671  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,850 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:45 PM Peak Volume 2,293 PM Peak Hour Factor 0.99

## 13-Oct-15 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	83	52	37	46	88	149	326	538	482	395	386	405
30	72	61	38	48	99	233	454	582	515	402	360	434
45	66	52	32	53	97	232	452	547	480	415	367	416
00	56	42	44	61	101	262	440	473	398	403	375	413
Hr Total	277	208	152	208	386	877	1672	2141	1875	1615	1489	1669

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	417	497	464	469	530	562	480	389	341	253	216	139
30	460	455	518	496	577	584	465	392	339	252	190	131
45	479	425	435	495	528	561	437	384	313	231	180	115
00	466	428	478	544	552	482	397	340	298	225	166	105
Hr Total	1823	1804	1896	2004	2187	2189	1780	1505	1290	961	752	490

24 Hour Total 31,249  
 AM Peak Hour Begins 7:00 AM Peak Volume 2,141 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 16:45 PM Peak Volume 2,259 PM Peak Hour Factor 0.97

## 13-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	290	174	126	87	118	216	481	936	945	760	725	773
30	241	175	108	84	142	314	637	975	946	818	695	788
45	226	165	94	84	134	321	672	1033	894	815	707	774
00	208	122	96	89	147	365	714	945	755	723	755	784
Hr Total	965	637	424	344	542	1215	2505	3888	3539	3116	2881	3119

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	834	906	918	987	1066	1139	1003	815	702	570	552	450
30	893	893	962	1030	1109	1153	976	805	637	534	500	376
45	888	881	934	1052	1088	1127	933	765	622	511	436	371
00	874	890	949	1118	1133	1011	808	709	596	493	407	340
Hr Total	3489	3570	3763	4188	4395	4430	3720	3094	2556	2109	1895	1536

24 Hour Total 61,920  
 AM Peak Hour Begins 7:15 AM Peak Volume 3,897 AM Peak Hour Factor 0.94  
 PM Peak Hour Begins 16:45 PM Peak Volume 4,552 PM Peak Hour Factor 0.99

# Roadway Count Summary

Start Date 29-Sep-15 Start Time 00:00  
 Stop Date 01-Oct-15 Stop Time 24:00  
 County Orange Station ID 363.1  
 Location South St: Mills Av to Orange Av ( 500 Ft E. Summerlin Av)

29-Sep-15 Westbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	11	14	9	9	30	79	232	376	290	159	139
30	24	10	11	6	13	36	118	312	405	222	146	140
45	17	15	12	11	19	61	170	381	359	199	141	136
00	21	11	11	13	17	67	185	398	338	185	135	158
Hr Total	85	48	48	39	57	193	553	1323	1478	896	581	573

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	119	182	171	158	133	147	176	127	99	71	65	38
30	139	206	166	152	148	189	165	125	91	66	60	41
45	180	196	161	161	160	179	151	108	83	83	55	33
00	177	169	165	152	149	188	150	102	72	72	51	38
Hr Total	615	752	662	624	590	702	642	463	345	291	231	150

24 Hour Total 11,940  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,559 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 12:45 PM Peak Volume 760 PM Peak Hour Factor 0.92

29-Sep-15 #N/A

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0
00	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0
00	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0

24 Hour Total 0  
 AM Peak Hour Begins 0:00 AM Peak Volume 0 AM Peak Hour Factor #N/A  
 PM Peak Hour Begins 12:45 PM Peak Volume 0 PM Peak Hour Factor #DIV/0!

29-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	11	14	9	9	30	79	232	376	290	159	139
30	24	10	11	6	13	36	118	312	405	222	146	140
45	17	15	12	11	19	61	170	381	359	199	141	136
00	21	11	11	13	17	67	185	398	338	185	135	158
Hr Total	85	48	48	39	57	193	553	1323	1478	896	581	573

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	119	182	171	158	133	147	176	127	99	71	65	38
30	139	206	166	152	148	189	165	125	91	66	60	41
45	180	196	161	161	160	179	151	108	83	83	55	33
00	177	169	165	152	149	188	150	102	72	72	51	38
Hr Total	615	752	662	624	590	702	642	463	345	291	231	150

24 Hour Total 11,940  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,559 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 12:45 PM Peak Volume 760 PM Peak Hour Factor 0.92

# Roadway Count Summary

Start Date 15-Sep-15 Start Time 00:00  
 Stop Date 17-Sep-15 Stop Time 24:00  
 County Orange Station ID 6091.1  
 Location South St: Crystal Lake Dr to Mills Av ( 0.13 Miles W. Bumby Av)

15-Sep-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	19	11	10	6	7	20	59	173	258	161	107	92
30	16	8	9	7	10	30	95	259	260	134	100	105
45	14	9	7	7	15	41	133	287	219	133	98	108
00	9	12	9	11	14	45	147	281	199	131	109	96
Hr Total	59	41	34	31	47	136	434	999	937	559	413	401

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	93	142	138	115	112	114	97	85	64	67	51	32
30	114	134	125	116	101	113	94	81	65	52	49	32
45	126	132	123	113	96	120	104	76	60	54	38	25
00	131	133	115	116	112	113	84	74	55	50	41	24
Hr Total	463	541	500	460	422	460	379	315	244	223	180	114

24 Hour Total 8,391  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,086 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 13:00 PM Peak Volume 541 PM Peak Hour Factor 0.95

15-Sep-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0
00	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0
00	0	0	0	0	0	0	0	0	0	0	0	0
Hr Total	0	0	0	0	0	0	0	0	0	0	0	0

24 Hour Total 0  
 AM Peak Hour Begins 0:00 AM Peak Volume 0 AM Peak Hour Factor #N/A  
 PM Peak Hour Begins 12:45 PM Peak Volume 0 PM Peak Hour Factor #DIV/0!

15-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	19	11	10	6	7	20	59	173	258	161	107	92
30	16	8	9	7	10	30	95	259	260	134	100	105
45	14	9	7	7	15	41	133	287	219	133	98	108
00	9	12	9	11	14	45	147	281	199	131	109	96
Hr Total	59	41	34	31	47	136	434	999	937	559	413	401

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	93	142	138	115	112	114	97	85	64	67	51	32
30	114	134	125	116	101	113	94	81	65	52	49	32
45	126	132	123	113	96	120	104	76	60	54	38	25
00	131	133	115	116	112	113	84	74	55	50	41	24
Hr Total	463	541	500	460	422	460	379	315	244	223	180	114

24 Hour Total 8,391  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,086 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 13:00 PM Peak Volume 541 PM Peak Hour Factor 0.95



# Roadway Count Summary

Start Date 27-Oct-15 Start Time 00:00  
 Stop Date 29-Oct-15 Stop Time 24:00  
 County Orange Station ID 6087  
 Location Orange Av: Gore St to Kaley Av ( 0.33 Miles N. Kaley Av)

27-Oct-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	37	23	21	17	16	35	137	283	375	324	294	259
30	31	31	26	12	19	52	191	352	365	319	264	277
45	29	19	28	21	26	72	229	379	374	317	276	277
00	25	22	26	19	38	96	238	397	352	283	277	284
Hr Total	121	95	101	70	100	255	794	1411	1466	1242	1111	1097

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	301	322	301	290	313	320	296	189	150	119	85	53
30	296	332	297	297	282	322	302	199	137	100	84	64
45	335	323	327	317	303	330	290	179	128	100	66	48
00	346	294	315	301	276	310	196	171	124	101	71	43
Hr Total	1278	1270	1240	1205	1175	1281	1084	739	539	419	307	208

24 Hour Total 18,608  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,516 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 12:45 PM Peak Volume 1,323 PM Peak Hour Factor 0.96

27-Oct-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	28	25	21	22	14	16	50	129	201	202	226	243
30	48	34	21	13	18	25	82	149	205	211	250	249
45	41	25	26	17	14	31	78	192	198	205	226	294
00	39	22	23	14	16	39	108	187	183	207	241	287
Hr Total	157	106	91	65	62	111	319	657	788	826	942	1072

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	287	283	247	267	300	317	275	210	166	121	108	70
30	323	251	307	300	310	312	289	196	152	109	105	85
45	327	277	270	304	307	288	248	214	120	105	94	69
00	302	254	304	316	322	300	243	176	119	107	88	74
Hr Total	1239	1064	1128	1187	1239	1216	1054	796	558	443	394	298

24 Hour Total 15,812  
 AM Peak Hour Begins 12:00 AM Peak Volume 1,239 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,258 PM Peak Hour Factor 0.98

27-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	65	48	42	39	30	51	187	412	576	526	519	502
30	79	64	47	25	38	77	273	502	570	530	514	526
45	70	44	54	38	40	103	307	571	572	521	501	571
00	64	44	48	33	54	135	346	583	536	490	518	571
Hr Total	278	200	192	135	162	366	1113	2068	2254	2068	2053	2169

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	588	604	548	557	613	637	570	400	316	240	193	123
30	619	582	604	596	592	634	591	395	290	209	189	149
45	662	600	597	621	610	617	538	393	248	205	160	118
00	648	548	619	617	598	610	438	348	244	208	159	117
Hr Total	2517	2335	2369	2392	2414	2498	2138	1535	1097	862	700	507

24 Hour Total 34,420  
 AM Peak Hour Begins 12:15 AM Peak Volume 2,534 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,498 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 06-Oct-15 Start Time 00:00  
 Stop Date 08-Oct-15 Stop Time 24:00  
 County Orange Station ID 6086  
 Location Orange Av: Kaley Av to Pineloch St ( 300 Ft N. Grant St)

06-Oct-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	43	33	25	18	28	48	138	292	348	306	263	249
30	35	29	26	23	25	51	221	375	362	277	263	287
45	33	28	29	29	48	80	252	388	346	288	279	280
00	28	26	22	21	46	97	271	381	342	287	243	290
Hr Total	140	116	103	92	147	275	881	1436	1398	1158	1048	1106

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	251	317	293	303	293	318	300	221	165	109	83	62
30	303	335	294	300	290	286	306	211	144	120	83	57
45	325	317	312	311	300	285	275	194	138	92	90	49
00	311	319	280	297	294	281	219	179	139	98	75	50
Hr Total	1190	1289	1180	1211	1177	1169	1101	806	586	419	331	217

24 Hour Total 18,576  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,492 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 13:00 PM Peak Volume 1,289 PM Peak Hour Factor 0.96

06-Oct-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	37	46	30	42	21	24	54	144	196	217	247	258
30	47	39	34	27	22	32	80	192	226	233	250	309
45	48	33	38	30	15	35	92	222	228	229	263	280
00	43	40	42	21	22	48	116	205	206	254	261	342
Hr Total	176	158	144	120	81	138	342	763	856	934	1021	1188

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	337	312	298	310	338	348	325	224	175	127	92	74
30	364	315	290	317	323	340	318	230	175	133	108	89
45	368	283	321	323	327	364	287	220	145	138	99	82
00	329	295	295	316	344	363	254	205	142	122	96	83
Hr Total	1398	1205	1203	1267	1332	1415	1184	880	636	520	395	328

24 Hour Total 17,682  
 AM Peak Hour Begins 11:45 AM Peak Volume 1,411 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,415 PM Peak Hour Factor 0.97

06-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	80	79	55	60	49	72	191	436	543	523	510	506
30	83	68	60	51	47	83	301	567	588	510	514	596
45	82	61	68	59	63	115	344	609	574	517	542	560
00	71	66	64	42	68	145	387	586	549	541	504	631
Hr Total	315	274	247	211	227	414	1223	2199	2254	2091	2070	2294

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	588	629	591	613	631	666	625	445	340	236	175	136
30	667	650	584	617	613	626	625	442	319	253	191	146
45	693	601	633	634	626	648	563	415	283	231	189	131
00	640	614	575	613	638	644	473	385	281	220	171	133
Hr Total	2588	2494	2383	2478	2509	2584	2285	1686	1222	939	726	545

24 Hour Total 36,257  
 AM Peak Hour Begins 12:15 AM Peak Volume 2,629 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,584 PM Peak Hour Factor 0.97

# Roadway Count Summary

Start Date 29-Sep-15                      Start Time                      00:00  
 Stop Date 01-Oct-15                      Stop Time                      24:00  
 County Orange                              Station ID                      6078  
 Location Orange Av: Virginia Dr to Garland Av ( 0.13 Miles S. Virginia Dr)

29-Sep-15    Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	16	8	5	4	4	6	33	51	120	96	80	94
30	10	5	7	3	6	8	42	82	101	109	89	95
45	10	6	3	3	7	14	61	98	104	96	97	103
00	5	4	3	3	8	21	51	140	120	97	99	122
Hr Total	41	24	19	13	25	49	187	371	444	398	366	414

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	129	104	107	128	134	192	205	96	61	45	30	30
30	107	115	94	139	154	195	212	77	58	44	28	19
45	97	99	109	154	168	196	153	67	38	43	21	18
00	108	112	107	133	164	197	126	66	45	33	27	19
Hr Total	440	430	417	554	620	780	695	307	203	166	106	86

24 Hour Total                      7,155  
 AM Peak Hour Begins                      7:45                      AM Peak Volume                      465                      AM Peak Hour Factor                      0.83  
 PM Peak Hour Begins                      17:30                      PM Peak Volume                      810                      PM Peak Hour Factor                      0.99

29-Sep-15    Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	10	9	5	5	17	32	98	162	146	101	111
30	16	6	10	6	6	20	49	159	179	127	117	106
45	12	8	7	2	11	22	59	194	154	119	110	121
00	10	9	6	3	11	29	67	206	173	111	122	111
Hr Total	61	34	33	16	33	88	207	657	668	503	450	449

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	114	142	122	132	124	175	146	91	77	45	43	29
30	118	135	118	139	146	174	139	85	72	51	36	28
45	125	126	127	137	132	181	98	82	65	47	36	20
00	131	132	128	139	140	161	105	93	68	47	34	15
Hr Total	489	536	495	547	541	691	487	351	282	191	149	92

24 Hour Total                      8,049  
 AM Peak Hour Begins                      7:30                      AM Peak Volume                      741                      AM Peak Hour Factor                      0.90  
 PM Peak Hour Begins                      17:00                      PM Peak Volume                      691                      PM Peak Hour Factor                      0.96

29-Sep-15    Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	39	18	14	9	9	22	65	149	281	242	182	205
30	27	12	18	9	12	28	91	241	280	237	206	201
45	21	15	11	5	18	36	120	292	258	216	207	224
00	15	14	9	6	19	50	118	347	293	207	221	233
Hr Total	103	58	51	29	58	137	395	1028	1112	901	816	863

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	243	245	229	260	258	367	351	187	138	90	73	59
30	225	250	212	278	299	368	350	162	131	96	64	47
45	222	225	237	291	299	377	251	149	103	90	57	38
00	239	244	234	272	304	359	231	159	113	80	61	34
Hr Total	929	965	912	1101	1161	1471	1182	658	485	356	255	178

24 Hour Total                      15,204  
 AM Peak Hour Begins                      7:30                      AM Peak Volume                      1,200                      AM Peak Hour Factor                      0.87  
 PM Peak Hour Begins                      17:00                      PM Peak Volume                      1,471                      PM Peak Hour Factor                      0.98

# Roadway Count Summary

Start Date 29-Sep-15 Start Time 00:00  
 Stop Date 01-Oct-15 Stop Time 24:00  
 County Orange Station ID 6067  
 Location Orange Av: Princeton St to Virginia Dr ( 0.11 Miles S. Princeton St)

29-Sep-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	20	16	10	5	2	7	29	63	145	103	91	95
30	13	10	10	5	8	11	54	94	114	110	103	102
45	13	8	5	4	11	18	64	121	110	105	111	114
00	15	9	6	5	7	24	50	131	126	112	107	123
Hr Total	61	43	31	19	28	60	196	409	494	430	412	434

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	136	127	123	122	154	188	189	92	69	51	42	29
30	129	137	136	137	162	194	197	89	71	48	34	26
45	105	123	115	174	162	203	146	89	56	48	28	23
00	130	117	130	144	178	182	118	86	49	41	25	28
Hr Total	500	505	504	577	655	767	649	356	244	189	129	106

24 Hour Total 7,798  
 AM Peak Hour Begins 7:30 AM Peak Volume 511 AM Peak Hour Factor 0.88  
 PM Peak Hour Begins 17:30 PM Peak Volume 771 PM Peak Hour Factor 0.95

29-Sep-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	18	9	9	3	6	13	37	116	140	142	119	124
30	16	7	5	4	9	22	45	152	177	133	120	134
45	13	7	6	3	9	32	57	216	147	134	125	142
00	15	5	6	4	13	34	88	177	152	125	135	136
Hr Total	61	28	26	14	36	101	227	662	617	534	499	535

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	133	139	121	153	134	189	165	114	82	54	49	39
30	125	146	127	138	152	197	137	121	74	64	51	27
45	145	136	143	139	145	173	123	99	67	62	45	26
00	121	132	140	149	158	177	134	99	69	53	39	23
Hr Total	524	553	532	578	589	735	559	434	293	233	184	116

24 Hour Total 8,668  
 AM Peak Hour Begins 7:30 AM Peak Volume 711 AM Peak Hour Factor 0.82  
 PM Peak Hour Begins 17:00 PM Peak Volume 735 PM Peak Hour Factor 0.93

29-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	39	25	19	9	8	20	65	179	285	244	211	219
30	28	17	15	9	17	34	99	246	291	244	223	235
45	25	15	11	7	20	50	121	337	257	239	236	256
00	30	14	12	9	19	57	138	309	278	237	242	259
Hr Total	122	70	57	33	64	160	423	1071	1111	964	911	970

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	269	266	244	275	288	376	353	206	151	106	90	69
30	254	283	263	275	314	391	334	211	145	113	85	53
45	249	259	258	313	306	376	269	188	123	110	73	48
00	251	249	271	292	336	359	252	185	118	93	64	51
Hr Total	1023	1058	1036	1155	1244	1502	1208	790	537	422	313	222

24 Hour Total 16,465  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,222 AM Peak Hour Factor 0.91  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,502 PM Peak Hour Factor 0.96

# Roadway Count Summary

Start Date 17-Nov-15 Start Time 00:00  
 Stop Date 19-Nov-15 Stop Time 24:00  
 County Orange Station ID 6069  
 Location Orange Av: Clay Av to Princeton St ( 450 Ft N. Winter Park St)

17-Nov-15 Northeast for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	16	8	10	8	6	22	87	139	161	145	121	131
30	12	8	7	13	12	38	133	160	164	137	126	129
45	16	15	11	9	9	45	137	167	145	125	119	143
00	12	8	9	9	33	76	130	180	158	144	136	148
Hr Total	55	39	36	39	60	182	487	646	629	552	502	552

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	138	138	130	151	165	199	194	103	61	48	31	32
30	137	148	138	148	163	201	181	81	61	48	32	24
45	153	140	144	195	176	212	172	87	49	42	41	23
00	134	148	160	162	211	206	130	78	51	40	30	17
Hr Total	562	573	571	656	715	817	677	350	222	178	134	95

24 Hour Total 9,329  
 AM Peak Hour Begins 7:30 AM Peak Volume 672 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 16:45 PM Peak Volume 822 PM Peak Hour Factor 0.98

17-Nov-15 Southwest for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	18	18	11	6	4	15	45	121	214	167	166	157
30	22	12	11	10	8	18	71	143	199	160	131	163
45	16	11	9	7	9	27	94	169	205	172	136	196
00	14	14	9	5	11	38	110	237	198	150	153	181
Hr Total	70	55	40	28	33	98	320	670	817	650	586	697

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	195	211	191	188	230	198	223	146	128	90	61	38
30	189	181	176	231	223	242	193	133	112	76	56	39
45	210	191	172	235	233	257	180	159	104	69	53	36
00	187	189	197	252	222	236	161	149	101	64	48	39
Hr Total	781	772	737	905	908	933	756	587	445	300	218	153

24 Hour Total 11,559  
 AM Peak Hour Begins 7:45 AM Peak Volume 855 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 17:15 PM Peak Volume 958 PM Peak Hour Factor 0.93

17-Nov-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	26	20	13	10	37	132	259	375	312	286	288
30	34	20	18	23	20	56	204	303	363	298	258	292
45	32	26	20	16	18	72	230	336	351	297	255	340
00	26	22	18	14	44	115	240	417	357	295	289	329
Hr Total	125	94	76	67	92	280	806	1315	1445	1202	1088	1249

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	333	349	321	339	395	396	417	249	189	138	92	70
30	326	329	313	379	386	443	374	213	173	125	88	63
45	363	331	316	430	409	469	352	246	153	111	95	59
00	321	337	357	414	432	442	291	227	152	105	78	56
Hr Total	1343	1345	1308	1562	1623	1751	1433	936	667	478	352	249

24 Hour Total 20,888  
 AM Peak Hour Begins 7:45 AM Peak Volume 1,505 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,771 PM Peak Hour Factor 0.94



# Roadway Count Summary

Start Date 22-Sep-15 Start Time 00:00  
 Stop Date 24-Sep-15 Stop Time 24:00  
 County Orange Station ID 366  
 Location Michigan St: Orange Av to Bumby Av ( 0.32 Miles W. Bumby Av)

22-Sep-15 East for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	27	17	15	9	10	19	61	157	168	149	146	177
30	30	15	18	10	13	31	79	136	159	139	159	181
45	29	17	10	14	13	38	99	153	166	158	162	188
00	23	15	14	12	20	53	165	175	152	160	170	195
Hr Total	109	64	57	44	57	141	403	621	645	605	637	740

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	185	241	242	267	290	354	261	197	154	111	89	56
30	192	222	255	257	338	308	270	193	143	100	74	52
45	195	212	243	263	313	342	224	167	145	81	76	46
00	187	230	255	294	339	297	221	150	119	96	72	47
Hr Total	759	905	994	1080	1279	1301	976	707	561	389	312	200

24 Hour Total 13,588  
 AM Peak Hour Begins 12:30 AM Peak Volume 845 AM Peak Hour Factor 0.88  
 PM Peak Hour Begins 16:15 PM Peak Volume 1,344 PM Peak Hour Factor 0.95

22-Sep-15 Westbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	17	8	11	13	22	55	178	283	282	201	180	170
30	19	9	7	10	33	101	259	310	250	180	200	179
45	15	12	7	17	28	100	322	298	243	185	178	171
00	14	11	8	18	38	109	361	285	215	164	151	192
Hr Total	66	41	33	58	122	364	1120	1176	990	730	708	712

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	161	182	192	185	176	183	190	127	111	70	63	38
30	167	184	188	190	188	197	173	116	79	59	56	28
45	184	192	173	179	186	189	137	112	88	50	41	29
00	188	201	192	179	213	185	129	104	75	55	37	25
Hr Total	700	759	744	732	763	753	628	459	353	234	197	120

24 Hour Total 12,565  
 AM Peak Hour Begins 6:30 AM Peak Volume 1,276 AM Peak Hour Factor 0.88  
 PM Peak Hour Begins 16:45 PM Peak Volume 782 PM Peak Hour Factor 0.92

22-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	45	26	26	22	32	74	238	440	450	350	326	347
30	49	25	25	20	46	132	338	446	410	319	359	359
45	44	29	17	31	41	138	421	451	409	342	340	359
00	37	26	21	30	59	162	526	460	367	324	321	386
Hr Total	175	105	90	103	179	506	1523	1797	1635	1335	1346	1452

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	346	423	434	451	466	537	450	324	265	181	152	94
30	359	407	443	447	526	505	443	310	223	159	131	79
45	379	404	415	442	499	531	361	279	233	131	117	74
00	375	430	447	472	552	482	350	255	194	151	109	72
Hr Total	1459	1664	1738	1813	2042	2054	1604	1167	915	623	509	320

24 Hour Total 26,153  
 AM Peak Hour Begins 6:45 AM Peak Volume 1,863 AM Peak Hour Factor 0.89  
 PM Peak Hour Begins 16:45 PM Peak Volume 2,124 PM Peak Hour Factor 0.96

# Roadway Count Summary

Start Date 13-Oct-15 Start Time 00:00  
 Stop Date 15-Oct-15 Stop Time 24:00  
 County Orange Station ID 1038  
 Location Turkey Lake Rd: Vineland Rd to Wallace Rd ( 400 Ft N. Paw St)

13-Oct-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	78	51	33	19	15	40	88	355	249	297	217	205
30	65	41	38	17	25	74	108	315	275	272	211	195
45	58	40	36	16	26	84	135	266	303	234	220	208
00	57	34	33	17	38	93	246	247	298	226	201	207
Hr Total	258	166	140	69	104	291	578	1182	1125	1030	849	814

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	209	233	237	243	280	283	295	215	185	164	131	114
30	206	267	303	268	289	315	264	197	172	149	142	115
45	238	270	310	303	317	296	240	207	176	132	118	129
00	240	230	247	278	322	271	217	213	183	120	106	98
Hr Total	893	999	1097	1092	1208	1164	1016	832	716	566	496	456

24 Hour Total 17,142  
 AM Peak Hour Begins 7:00 AM Peak Volume 1,182 AM Peak Hour Factor 0.83  
 PM Peak Hour Begins 16:30 PM Peak Volume 1,237 PM Peak Hour Factor 0.96

13-Oct-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	44	44	49	21	24	44	97	411	255	220	211	198
30	46	54	24	17	24	52	138	340	241	249	196	198
45	53	48	24	25	39	92	213	279	289	233	213	220
00	41	45	18	21	34	102	348	296	282	226	198	240
Hr Total	184	191	114	84	121	290	796	1326	1068	927	818	855

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	213	219	254	239	277	392	324	233	180	149	89	82
30	231	223	242	282	305	384	331	195	167	130	110	72
45	201	237	275	283	337	355	275	213	163	122	120	67
00	218	245	260	316	356	369	258	187	152	116	91	49
Hr Total	863	924	1032	1120	1274	1499	1188	827	663	517	410	269

24 Hour Total 17,362  
 AM Peak Hour Begins 6:45 AM Peak Volume 1,379 AM Peak Hour Factor 0.84  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,499 PM Peak Hour Factor 0.96

13-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	122	95	81	40	39	84	185	766	504	517	427	403
30	111	95	62	34	49	126	246	655	516	522	407	393
45	111	89	60	41	65	176	348	545	592	467	433	427
00	99	79	51	38	72	195	594	543	580	452	399	447
Hr Total	442	357	254	153	225	581	1374	2509	2193	1958	1667	1670

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	422	452	491	482	556	674	619	448	365	313	220	196
30	437	490	544	550	594	699	595	392	340	280	251	187
45	439	506	586	586	654	651	515	420	339	254	238	196
00	458	475	508	594	678	639	475	400	335	236	197	147
Hr Total	1756	1923	2129	2212	2482	2664	2204	1659	1379	1083	906	726

24 Hour Total 34,504  
 AM Peak Hour Begins 6:45 AM Peak Volume 2,560 AM Peak Hour Factor 0.84  
 PM Peak Hour Begins 16:30 PM Peak Volume 2,706 PM Peak Hour Factor 0.97



# Roadway Count Summary

Start Date 06-Oct-15 Start Time 00:00  
 Stop Date 08-Oct-15 Stop Time 24:00  
 County Orange Station ID 5129  
 Location Orlando Av: Horatio Av to Kennedy Bv ( 500 Ft S. Manor)

06-Oct-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	37	17	15	6	8	18	63	165	307	281	287	284
30	367	16	10	7	13	24	86	208	293	296	259	322
45	25	17	13	7	9	33	123	252	295	265	292	323
00	21	14	10	7	12	42	141	299	304	237	300	359
Hr Total	113	63	47	28	42	117	414	924	1199	1080	1139	1288

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	371	405	418	438	500	605	570	342	251	212	155	78
30	367	390	405	413	543	543	536	316	247	201	135	84
45	380	406	426	447	520	611	432	288	216	179	109	55
00	386	415	475	518	581	589	393	256	209	169	97	45
Hr Total	1504	1616	1724	1815	2144	2348	1932	1201	922	761	496	262

24 Hour Total 23,181  
 AM Peak Hour Begins 12:30 AM Peak Volume 1,561 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,348 PM Peak Hour Factor 0.96

06-Oct-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	26	14	11	13	15	50	176	505	633	529	359	349
30	18	15	9	12	21	71	245	588	616	465	360	378
45	17	14	11	17	38	108	359	630	641	456	352	377
00	13	14	12	19	41	153	401	668	641	404	369	393
Hr Total	73	57	42	61	116	382	1181	2390	2530	1854	1439	1496

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	370	391	371	350	356	431	376	282	177	146	96	42
30	398	372	374	386	376	402	349	249	166	120	75	46
45	394	365	365	379	347	398	331	233	147	120	63	37
00	417	361	367	339	356	375	292	207	152	100	64	37
Hr Total	1578	1489	1477	1454	1435	1606	1347	972	642	486	298	163

24 Hour Total 24,569  
 AM Peak Hour Begins 7:45 AM Peak Volume 2,557 AM Peak Hour Factor 0.96  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,606 PM Peak Hour Factor 0.93

06-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	63	31	26	19	23	68	239	670	940	810	646	632
30	48	30	19	20	34	95	331	796	908	760	619	700
45	41	31	23	24	47	141	483	882	936	721	644	699
00	34	28	21	26	54	195	542	967	945	642	669	752
Hr Total	187	121	90	89	158	499	1595	3315	3729	2933	2578	2784

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	741	796	789	789	855	1036	946	624	428	358	251	121
30	765	762	779	799	919	945	885	565	413	320	210	130
45	774	771	791	825	867	1010	763	521	363	299	172	92
00	803	775	842	856	937	964	685	463	361	269	161	82
Hr Total	3082	3105	3201	3269	3579	3955	3279	2173	1564	1247	794	425

24 Hour Total 47,750  
 AM Peak Hour Begins 7:45 AM Peak Volume 3,751 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:00 PM Peak Volume 3,955 PM Peak Hour Factor 0.95

# Roadway Count Summary

Start Date 20-Oct-15 Start Time 00:00  
 Stop Date 22-Oct-15 Stop Time 24:00  
 County Orange Station ID 6035  
 Location Orange Blossom Tl: Oak Ridge Rd to Orlando Central Py ( 0.39 Miles S. Oak Ridge Rd)

20-Oct-15 Northbound for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	120	81	70	83	59	56	95	198	329	383	299	314
30	103	86	75	64	70	76	97	209	399	299	306	345
45	112	85	68	71	61	69	141	274	361	331	293	298
00	102	77	81	66	72	87	129	275	370	270	317	360
Hr Total	437	328	295	284	262	287	462	957	1459	1283	1215	1318

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	350	397	418	418	440	430	498	462	347	309	237	182
30	373	395	416	408	457	448	499	435	356	291	276	179
45	361	424	378	421	445	475	463	411	330	268	233	169
00	392	380	401	405	434	473	444	385	304	238	212	114
Hr Total	1476	1597	1613	1652	1776	1826	1904	1692	1338	1106	958	644

24 Hour Total 26,169  
 AM Peak Hour Begins 12:30 AM Peak Volume 1,546 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:30 PM Peak Volume 1,945 PM Peak Hour Factor 0.98

20-Oct-15 Southbound for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	108	89	71	75	81	97	136	296	384	426	373	434
30	104	85	69	84	88	95	162	321	421	421	376	395
45	104	83	66	83	96	152	214	372	513	382	379	396
00	99	80	67	79	103	153	227	418	441	443	383	413
Hr Total	416	337	274	321	368	498	739	1406	1759	1672	1510	1639

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	399	459	412	414	419	399	387	384	329	230	214	147
30	402	454	395	417	401	418	415	394	332	201	195	156
45	447	446	426	428	443	372	416	359	297	214	189	158
00	409	442	405	434	416	387	380	335	229	203	166	131
Hr Total	1657	1801	1637	1693	1678	1575	1599	1473	1187	849	764	592

24 Hour Total 27,443  
 AM Peak Hour Begins 8:15 AM Peak Volume 1,801 AM Peak Hour Factor 0.88  
 PM Peak Hour Begins 13:00 PM Peak Volume 1,801 PM Peak Hour Factor 0.98

20-Oct-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	228	170	141	158	140	153	231	494	713	809	672	748
30	207	171	144	148	158	171	259	530	820	720	682	741
45	217	167	135	154	157	221	355	647	875	713	672	694
00	201	157	149	145	175	240	357	693	810	713	700	774
Hr Total	853	666	568	604	630	785	1201	2363	3218	2955	2726	2957

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	749	856	829	832	859	829	885	846	676	539	451	329
30	775	849	811	826	858	866	914	828	688	492	471	335
45	808	870	804	848	888	847	879	770	627	482	422	327
00	801	822	806	840	850	860	825	720	533	442	378	245
Hr Total	3133	3398	3250	3346	3454	3401	3503	3165	2525	1955	1722	1236

24 Hour Total 53,612  
 AM Peak Hour Begins 8:15 AM Peak Volume 3,315 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 17:45 PM Peak Volume 3,538 PM Peak Hour Factor 0.97

# Roadway Count Summary

Start Date 22-Sep-15                      Start Time                      00:00  
 Stop Date 24-Sep-15                      Stop Time                      24:00  
 County Orange                              Station ID                      435  
 Location Fairbanks Av : Interstate 4 to Orlando Av ( 0.27 Miles W. of Orlando Av )

## 22-Sep-15                      Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	28	20	12	9	9	27	85	179	276	285	242	241
30	27	13	11	10	15	38	130	239	298	264	263	254
45	24	12	10	13	18	62	179	270	294	276	259	280
00	15	9	11	10	30	71	187	280	322	291	241	294
Hr Total	94	54	44	43	72	198	580	968	1190	1116	1006	1069

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	277	290	235	245	273	289	275	231	148	105	74	54
30	287	275	245	266	258	331	300	202	156	92	77	49
45	293	275	241	274	250	292	248	168	136	94	69	44
00	287	250	250	259	273	317	269	167	133	92	59	39
Hr Total	1144	1090	970	1044	1054	1229	1093	768	573	383	278	186

24 Hour Total                      16,246  
 AM Peak Hour Begins                      8:15                      AM Peak Volume                      1,199                      AM Peak Hour Factor                      0.93  
 PM Peak Hour Begins                      17:00                      PM Peak Volume                      1,229                      PM Peak Hour Factor                      0.93

## 22-Sep-15                      Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	37	15	16	12	13	31	78	213	245	255	198	216
30	37	22	12	9	15	39	115	257	283	218	221	232
45	29	13	14	12	23	45	140	276	282	235	214	236
00	23	17	15	8	22	70	157	279	240	232	224	244
Hr Total	126	67	57	42	73	185	491	1026	1050	940	857	928

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	290	286	284	279	264	295	263	204	222	203	136	85
30	280	294	287	313	289	323	271	238	235	211	121	75
45	283	277	281	293	256	282	200	234	215	171	94	59
00	293	302	292	308	291	284	259	194	211	166	85	50
Hr Total	1146	1159	1144	1193	1100	1183	993	870	884	751	436	268

24 Hour Total                      16,970  
 AM Peak Hour Begins                      12:00                      AM Peak Volume                      1,146                      AM Peak Hour Factor                      0.98  
 PM Peak Hour Begins                      15:00                      PM Peak Volume                      1,193                      PM Peak Hour Factor                      0.95

## 22-Sep-15                      Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	65	35	29	21	23	58	163	393	521	540	440	457
30	64	35	23	20	30	77	245	496	581	481	485	486
45	53	25	23	26	40	108	319	546	576	512	473	516
00	38	26	27	18	52	141	345	559	562	523	465	538
Hr Total	221	122	101	85	145	383	1071	1994	2240	2056	1863	1997

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	567	577	519	524	537	583	538	435	370	308	209	139
30	567	569	532	578	547	654	571	440	391	303	198	124
45	576	552	521	568	506	574	449	402	351	265	163	102
00	580	552	542	566	564	601	528	361	345	258	144	89
Hr Total	2290	2250	2114	2237	2154	2412	2086	1638	1457	1134	714	454

24 Hour Total                      33,216  
 AM Peak Hour Begins                      12:00                      AM Peak Volume                      2,290                      AM Peak Hour Factor                      0.99  
 PM Peak Hour Begins                      17:00                      PM Peak Volume                      2,412                      PM Peak Hour Factor                      0.92

# Roadway Count Summary

Start Date 12-Jan-16 Start Time 00:00  
 Stop Date 14-Jan-16 Stop Time 24:00  
 County Orange Station ID 5072  
 Location Fairbanks Av : Orlando Av to Orange Av ( 0.12 Miles W. of Orange Av )

12-Jan-16 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	27	18	17	7	8	14	62	131	169	185	121	183
30	24	21	17	6	8	29	94	149	208	180	177	187
45	25	13	5	5	16	43	125	159	173	189	190	171
00	21	15	7	7	21	51	143	188	195	191	191	203
Hr Total	98	66	47	24	52	136	424	626	746	746	680	744

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	215	205	225	218	161	139	155	161	122	116	73	49
30	189	185	216	219	210	240	217	161	126	104	67	50
45	178	160	171	187	165	173	172	151	120	94	60	39
00	215	206	208	208	227	231	188	135	126	93	56	48
Hr Total	798	756	819	832	763	783	733	607	494	407	257	186

24 Hour Total 11,826  
 AM Peak Hour Begins 12:00 AM Peak Volume 798 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 15:00 PM Peak Volume 832 PM Peak Hour Factor 0.95

12-Jan-16 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	25	14	13	9	10	32	59	177	225	182	165	180
30	26	15	11	6	15	30	81	235	197	186	166	176
45	21	9	12	8	18	41	115	229	211	174	158	188
00	21	14	9	15	21	57	152	224	183	194	189	203
Hr Total	93	53	45	37	65	159	407	865	816	737	677	746

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	187	189	182	192	213	197	177	151	133	138	90	63
30	199	181	234	216	215	235	178	157	134	137	71	54
45	208	199	200	243	190	187	195	142	131	109	71	49
00	183	196	223	213	227	172	178	130	138	84	55	42
Hr Total	777	764	840	864	845	792	729	581	535	468	287	208

24 Hour Total 12,392  
 AM Peak Hour Begins 7:15 AM Peak Volume 913 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 15:15 PM Peak Volume 885 PM Peak Hour Factor 0.91

12-Jan-16 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	53	32	30	15	18	46	121	308	394	367	286	363
30	51	36	28	12	23	59	175	384	406	367	343	363
45	46	22	17	13	34	83	241	388	384	363	348	359
00	42	29	16	21	42	107	295	412	378	385	380	406
Hr Total	192	119	92	62	117	296	831	1491	1562	1483	1357	1491

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	403	395	407	410	374	336	332	312	255	253	163	113
30	388	366	450	435	425	475	395	318	260	242	138	104
45	387	359	371	430	355	360	368	294	251	203	131	88
00	397	401	431	421	455	403	367	265	264	178	111	90
Hr Total	1575	1521	1659	1696	1608	1575	1462	1188	1029	875	544	394

24 Hour Total 24,217  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,600 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 14:45 PM Peak Volume 1,706 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 22-Sep-15 Start Time 00:00  
 Stop Date 24-Sep-15 Stop Time 24:00  
 County Orange Station ID 396  
 Location Fairbanks Av : Orange Av to Park Av ( 0.22 Miles E. of Orange Av )

22-Sep-15 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	41	31	19	8	9	30	84	166	247	278	245	272
30	44	25	16	13	17	47	124	215	272	275	293	277
45	37	20	15	10	19	56	165	242	279	250	286	299
00	26	17	12	6	24	86	168	265	292	263	270	310
Hr Total	148	93	63	36	69	219	541	888	1090	1066	1094	1159

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	315	322	334	326	327	342	354	301	204	179	138	92
30	321	321	330	310	362	343	350	260	225	148	119	70
45	300	327	338	343	332	341	324	261	206	142	103	78
00	313	318	332	342	341	370	299	235	173	141	103	65
Hr Total	1249	1289	1334	1322	1361	1396	1327	1058	808	610	462	305

24 Hour Total 18,983  
 AM Peak Hour Begins 12:00 AM Peak Volume 1,249 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:30 PM Peak Volume 1,414 PM Peak Hour Factor 0.96

22-Sep-15 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	43	19	16	14	12	44	131	300	355	295	277	285
30	34	16	9	10	24	62	209	384	377	288	246	250
45	30	16	15	21	28	79	230	373	357	329	277	279
00	24	17	13	14	36	130	268	374	318	263	246	300
Hr Total	132	68	53	59	101	315	839	1430	1407	1175	1046	1114

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	273	292	302	300	288	314	271	209	196	181	138	90
30	302	273	282	321	272	311	272	251	232	226	106	76
45	291	293	287	311	281	291	271	241	211	183	105	61
00	296	295	277	290	280	280	252	216	186	158	83	53
Hr Total	1162	1153	1147	1222	1121	1196	1066	917	826	749	432	281

24 Hour Total 19,010  
 AM Peak Hour Begins 7:15 AM Peak Volume 1,486 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 15:00 PM Peak Volume 1,222 PM Peak Hour Factor 0.95

22-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	84	50	35	21	21	74	215	466	602	572	522	557
30	78	41	25	22	42	109	333	599	649	563	540	528
45	67	36	30	31	47	135	394	615	636	579	562	578
00	50	34	26	20	60	216	436	638	610	526	516	610
Hr Total	280	161	116	95	170	534	1379	2318	2497	2240	2140	2273

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	588	615	636	626	614	656	625	510	401	360	275	182
30	623	594	612	631	634	655	622	512	457	374	225	146
45	591	620	624	655	613	632	595	503	417	326	208	139
00	609	613	609	632	621	649	551	451	359	299	186	119
Hr Total	2411	2441	2481	2544	2482	2592	2393	1975	1634	1359	894	586

24 Hour Total 37,993  
 AM Peak Hour Begins 7:45 AM Peak Volume 2,525 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,592 PM Peak Hour Factor 0.99

# Roadway Count Summary

Start Date 22-Sep-15 Start Time 00:00  
 Stop Date 24-Sep-15 Stop Time 24:00  
 County Orange Station ID 5077  
 Location Fairbanks Av : Park Av to Aloma Av ( 0.49 Miles W. of Aloma Av )

## 22-Sep-15 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	49	31	22	11	9	28	91	206	257	269	239	271
30	53	26	20	10	13	40	114	215	230	266	265	275
45	40	17	17	9	18	45	152	234	259	220	273	281
00	32	17	13	6	19	76	196	264	269	255	268	304
Hr Total	173	91	72	36	59	190	553	919	1015	1010	1046	1131

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	306	345	375	393	384	419	388	299	251	237	187	119
30	323	343	361	355	370	413	370	305	266	241	159	92
45	308	326	371	369	378	422	338	279	246	208	134	80
00	305	333	343	375	386	387	322	291	211	180	113	70
Hr Total	1242	1346	1451	1493	1518	1641	1418	1174	973	866	593	362

24 Hour Total 20,370  
 AM Peak Hour Begins 12:00 AM Peak Volume 1,242 AM Peak Hour Factor 0.90  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,641 PM Peak Hour Factor 0.97

## 22-Sep-15 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	15	11	15	13	39	153	366	480	436	313	290
30	25	10	8	10	21	64	220	448	478	393	291	296
45	19	10	11	17	29	87	275	527	473	418	342	307
00	15	11	10	18	41	138	390	551	500	391	299	366
Hr Total	93	46	40	60	103	328	1038	1892	1931	1637	1245	1259

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	298	307	314	308	277	342	309	209	177	120	88	61
30	286	310	309	333	288	345	327	229	187	123	68	59
45	316	313	305	341	305	310	297	220	169	101	74	46
00	295	346	313	325	304	336	266	182	139	105	53	39
Hr Total	1195	1276	1241	1307	1175	1333	1200	841	671	449	283	206

24 Hour Total 20,847  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,036 AM Peak Hour Factor 0.92  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,333 PM Peak Hour Factor 0.97

## 22-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	82	46	33	26	22	67	243	573	737	705	552	561
30	78	36	28	20	34	104	334	663	708	659	557	571
45	59	27	27	26	47	132	427	761	732	637	615	588
00	47	28	23	24	60	214	586	815	769	646	567	670
Hr Total	266	137	112	96	163	517	1590	2811	2945	2647	2291	2390

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	604	651	689	701	662	761	697	508	427	357	275	180
30	609	653	670	688	658	757	697	534	452	365	227	152
45	623	639	676	710	683	732	635	499	414	308	207	126
00	600	679	656	700	690	723	589	473	350	284	166	109
Hr Total	2437	2622	2692	2800	2693	2974	2618	2014	1644	1315	875	567

24 Hour Total 41,217  
 AM Peak Hour Begins 7:30 AM Peak Volume 3,021 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,974 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date 22-Sep-15 Start Time 00:00  
 Stop Date 24-Sep-15 Stop Time 24:00  
 County Orange Station ID 6072  
 Location Aloma Av : Brewer Av to Lakemont Av ( 0.33 Miles W. of Lakemont Av )

## 22-Sep-15 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	45	30	22	11	10	26	87	214	246	259	240	270
30	53	25	20	11	12	42	119	226	234	250	254	278
45	39	17	18	8	18	44	155	217	249	233	269	264
00	34	16	14	7	20	78	183	279	261	241	270	299
Hr Total	172	89	73	37	60	190	543	936	990	983	1033	1112

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	306	324	363	383	349	381	377	304	247	226	178	111
30	308	343	361	347	376	408	360	290	263	233	164	96
45	300	320	361	358	377	389	307	290	239	203	132	80
00	295	320	339	373	357	376	319	275	217	181	115	76
Hr Total	1209	1306	1425	1460	1460	1554	1363	1158	965	843	589	363

24 Hour Total 19,912  
 AM Peak Hour Begins 11:45 AM Peak Volume 1,213 AM Peak Hour Factor 0.99  
 PM Peak Hour Begins 17:00 PM Peak Volume 1,554 PM Peak Hour Factor 0.95

## 22-Sep-15 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	35	15	12	16	12	39	149	359	481	405	301	303
30	23	9	10	9	22	64	235	474	478	389	312	294
45	19	10	11	18	30	94	285	509	448	403	329	336
00	15	11	10	17	41	132	375	523	502	392	319	359
Hr Total	92	44	43	60	105	329	1044	1865	1909	1589	1261	1292

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	321	308	324	311	279	348	330	223	173	121	89	63
30	304	302	317	337	305	345	329	233	198	133	67	59
45	320	347	315	360	307	319	303	204	160	95	71	46
00	317	347	322	318	322	319	268	191	142	106	52	35
Hr Total	1262	1305	1279	1327	1212	1330	1230	852	674	456	278	203

24 Hour Total 21,040  
 AM Peak Hour Begins 7:30 AM Peak Volume 1,992 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 13:30 PM Peak Volume 1,336 PM Peak Hour Factor 0.96

## 22-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	80	45	33	27	22	66	236	572	727	664	541	573
30	77	34	29	20	34	106	354	700	713	639	566	572
45	58	27	29	26	48	138	440	727	697	636	598	600
00	49	28	24	24	61	210	557	802	763	633	589	658
Hr Total	264	133	116	97	165	519	1587	2801	2899	2572	2293	2403

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	626	632	688	694	627	729	707	527	420	347	267	175
30	612	645	678	684	681	753	689	523	461	366	230	155
45	620	667	676	719	684	708	610	494	399	298	202	126
00	613	667	661	690	679	694	587	466	358	287	168	111
Hr Total	2471	2611	2703	2787	2671	2884	2593	2009	1639	1299	867	566

24 Hour Total 40,952  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,968 AM Peak Hour Factor 0.93  
 PM Peak Hour Begins 17:00 PM Peak Volume 2,884 PM Peak Hour Factor 0.96

# Roadway Count Summary

Start Date 22-Sep-15 Start Time 00:00  
 Stop Date 24-Sep-15 Stop Time 24:00  
 County Orange Station ID 5078  
 Location Aloma Av : Lakemont Av to Semoran Bv ( 0.25 Miles E. of Lakemont Av )

22-Sep-15 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	37	17	13	16	18	46	190	389	501	414	339	328
30	22	10	11	13	23	80	263	475	535	452	353	361
45	20	12	12	17	43	111	315	544	493	436	387	412
00	18	13	11	19	55	146	420	534	477	445	360	384
Hr Total	96	52	47	65	139	383	1188	1942	2007	1748	1440	1486

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	368	367	380	368	340	375	405	281	217	161	87	66
30	371	382	360	389	347	412	399	278	230	145	71	60
45	407	400	376	384	358	400	369	223	196	111	75	55
00	400	440	397	377	401	413	301	221	165	103	64	42
Hr Total	1546	1590	1513	1519	1446	1600	1474	1003	808	520	297	224

24 Hour Total 24,130  
 AM Peak Hour Begins 7:30 AM Peak Volume 2,114 AM Peak Hour Factor 0.97  
 PM Peak Hour Begins 17:15 PM Peak Volume 1,629 PM Peak Hour Factor 0.99

22-Sep-15 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	54	30	22	12	10	18	84	209	279	275	262	312
30	58	25	22	11	16	40	97	261	270	273	295	321
45	34	20	19	11	16	43	114	252	283	263	294	341
00	36	21	17	8	20	58	159	265	296	268	314	327
Hr Total	182	96	79	41	62	158	455	986	1128	1078	1165	1300

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	373	346	386	410	419	405	418	330	303	239	178	111
30	349	363	409	439	442	422	412	326	305	240	179	104
45	341	377	412	452	436	435	357	313	256	214	142	87
00	352	362	401	449	419	436	350	283	235	196	122	83
Hr Total	1415	1448	1608	1751	1716	1699	1537	1252	1100	890	621	384

24 Hour Total 22,152  
 AM Peak Hour Begins 12:00 AM Peak Volume 1,415 AM Peak Hour Factor 0.95  
 PM Peak Hour Begins 15:30 PM Peak Volume 1,762 PM Peak Hour Factor 0.97

22-Sep-15 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	91	47	34	29	28	64	274	598	780	689	601	640
30	80	35	33	23	39	120	361	736	806	725	648	682
45	54	32	31	28	59	154	429	795	776	699	681	752
00	54	34	28	27	75	203	578	799	773	714	674	711
Hr Total	279	148	126	107	201	541	1642	2928	3135	2826	2605	2786

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	742	714	766	779	759	780	822	611	520	400	266	177
30	720	746	769	828	789	834	812	604	535	386	250	165
45	747	777	788	837	794	835	726	536	452	325	217	142
00	752	801	798	826	820	849	651	504	401	299	186	124
Hr Total	2961	3038	3121	3269	3162	3298	3010	2255	1908	1410	918	608

24 Hour Total 46,282  
 AM Peak Hour Begins 7:30 AM Peak Volume 3,180 AM Peak Hour Factor 0.99  
 PM Peak Hour Begins 17:15 PM Peak Volume 3,340 PM Peak Hour Factor 0.98

# Roadway Count Summary

Start Date : April 23, 2015                      Start Time                      00:00  
 Stop Date : April 23, 2015                      Stop Time                      24:00  
 County : Osceola                                      Station Number                0  
 Location : #316 - John Young Pky (Btw Carroll St and Orange County Line)

## 23-Apr-15                      Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	41	32	28	41	52	118	287	376	427	323	286	363
30	36	37	32	28	85	172	351	452	453	360	326	375
45	48	36	20	44	99	230	393	450	404	406	357	390
00	32	26	23	44	91	215	373	398	370	346	314	348
<b>Hr Total</b>	<b>157</b>	<b>131</b>	<b>103</b>	<b>157</b>	<b>327</b>	<b>735</b>	<b>1,404</b>	<b>1,676</b>	<b>1,654</b>	<b>1,435</b>	<b>1,283</b>	<b>1,476</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	364	398	398	308	467	399	329	267	215	151	158	102
30	424	342	363	421	384	465	406	254	188	190	141	77
45	370	391	361	378	377	373	269	276	198	174	131	68
00	345	350	392	418	400	367	308	243	196	137	123	61
<b>Hr Total</b>	<b>1,503</b>	<b>1,481</b>	<b>1,514</b>	<b>1,525</b>	<b>1,628</b>	<b>1,604</b>	<b>1,312</b>	<b>1,040</b>	<b>797</b>	<b>652</b>	<b>553</b>	<b>308</b>

24 Hour Total : 24,455  
 AM Peak Hour begins : 7:30                      AM Peak Volume : 1,728                      AM Peak Hour Factor : 0.95  
 PM Peak Hour begins : 15:15                      PM Peak Volume : 1,684                      PM Peak Hour Factor : 0.90

## 23-Apr-15                      Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	98	63	47	31	31	39	107	201	277	254	252	283
30	98	54	36	34	39	60	140	260	296	260	228	287
45	108	57	28	33	24	67	155	301	265	265	258	248
00	62	45	27	37	31	85	191	337	288	257	263	317
<b>Hr Total</b>	<b>366</b>	<b>219</b>	<b>138</b>	<b>135</b>	<b>125</b>	<b>251</b>	<b>593</b>	<b>1,099</b>	<b>1,126</b>	<b>1,036</b>	<b>1,001</b>	<b>1,135</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	299	339	361	365	448	415	465	365	264	261	215	165
30	307	306	364	418	424	450	477	368	298	271	226	152
45	300	338	385	443	423	463	425	327	280	260	192	114
00	336	328	366	402	472	446	310	284	292	205	166	131
<b>Hr Total</b>	<b>1,242</b>	<b>1,311</b>	<b>1,476</b>	<b>1,628</b>	<b>1,767</b>	<b>1,774</b>	<b>1,677</b>	<b>1,344</b>	<b>1,134</b>	<b>997</b>	<b>799</b>	<b>562</b>

24 Hour Total : 22,935  
 AM Peak Hour begins : 11:45                      AM Peak Volume : 1,223                      AM Peak Hour Factor : 0.97  
 PM Peak Hour begins : 17:30                      PM Peak Volume : 1,851                      PM Peak Hour Factor : 0.97

## 23-Apr-15                      Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	139	95	75	72	83	157	394	577	704	577	538	646
30	134	91	68	62	124	232	491	712	749	620	554	662
45	156	93	48	77	123	297	548	751	669	671	615	638
00	94	71	50	81	122	300	564	735	658	603	577	665
<b>Hr Total</b>	<b>523</b>	<b>350</b>	<b>241</b>	<b>292</b>	<b>452</b>	<b>986</b>	<b>1,997</b>	<b>2,775</b>	<b>2,780</b>	<b>2,471</b>	<b>2,284</b>	<b>2,611</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	663	737	759	673	915	814	794	632	479	412	373	267
30	731	648	727	839	808	915	883	622	486	461	367	229
45	670	729	746	821	800	836	694	603	478	434	323	182
00	681	678	758	820	872	813	618	527	488	342	289	192
<b>Hr Total</b>	<b>2,745</b>	<b>2,792</b>	<b>2,990</b>	<b>3,153</b>	<b>3,395</b>	<b>3,378</b>	<b>2,989</b>	<b>2,384</b>	<b>1,931</b>	<b>1,649</b>	<b>1,352</b>	<b>870</b>

24 Hour Total : 47,390  
 AM Peak Hour begins : 7:30                      AM Peak Volume : 2,939                      AM Peak Hour Factor : 0.98  
 PM Peak Hour begins : 16:45                      PM Peak Volume : 3,437                      PM Peak Hour Factor : 0.94

# Roadway Count Summary

*Vanasse Hangen Brustlin, Inc.*

Start Date : April 28, 2015                      Start Time                      00:00  
 Stop Date : April 28, 2015                      Stop Time                      24:00  
 County : Osceola                                      Station Number                318  
 Location : #318 - John Young Pky (Btw US 192 and Columbia Ave)

## 28-Apr-15                      Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	60	33	20	25	37	93	220	302	294	276	258	290
30	53	32	25	27	48	146	257	354	252	291	279	284
45	30	23	15	48	84	162	308	283	293	257	282	334
00	35	14	20	23	70	190	280	298	259	265	313	314
<b>Hr Total</b>	<b>178</b>	<b>102</b>	<b>80</b>	<b>123</b>	<b>239</b>	<b>591</b>	<b>1,065</b>	<b>1,237</b>	<b>1,098</b>	<b>1,089</b>	<b>1,132</b>	<b>1,222</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	299	282	364	302	327	352	298	231	183	152	102	63
30	320	311	305	286	372	310	244	230	155	124	103	66
45	294	287	287	313	312	290	249	227	172	121	97	60
00	291	264	330	347	339	268	216	220	147	118	90	57
<b>Hr Total</b>	<b>1,204</b>	<b>1,144</b>	<b>1,286</b>	<b>1,248</b>	<b>1,350</b>	<b>1,220</b>	<b>1,007</b>	<b>908</b>	<b>657</b>	<b>515</b>	<b>392</b>	<b>246</b>

24 Hour Total : 19,333  
 AM Peak Hour begins : 11:30                      AM Peak Volume : 1,267                      AM Peak Hour Factor : 0.95  
 PM Peak Hour begins : 16:15                      PM Peak Volume : 1,375                      PM Peak Hour Factor : 0.92

## 28-Apr-15                      Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	79	49	31	19	26	40	94	196	312	299	263	250
30	73	48	22	24	23	43	185	273	259	283	218	241
45	69	25	19	21	27	63	187	317	306	260	232	284
00	52	36	27	17	52	64	189	347	272	259	278	308
<b>Hr Total</b>	<b>273</b>	<b>158</b>	<b>99</b>	<b>81</b>	<b>128</b>	<b>210</b>	<b>655</b>	<b>1,133</b>	<b>1,149</b>	<b>1,101</b>	<b>991</b>	<b>1,083</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	286	315	331	390	354	354	324	266	281	205	193	157
30	305	317	321	346	348	347	327	309	220	231	190	115
45	325	301	314	336	383	367	312	279	210	208	165	91
00	293	329	322	381	375	326	318	253	231	199	125	88
<b>Hr Total</b>	<b>1,209</b>	<b>1,262</b>	<b>1,288</b>	<b>1,453</b>	<b>1,460</b>	<b>1,394</b>	<b>1,281</b>	<b>1,107</b>	<b>942</b>	<b>843</b>	<b>673</b>	<b>451</b>

24 Hour Total : 20,424  
 AM Peak Hour begins : 7:15                      AM Peak Volume : 1,249                      AM Peak Hour Factor : 0.90  
 PM Peak Hour begins : 15:45                      PM Peak Volume : 1,466                      PM Peak Hour Factor : 0.96

## 28-Apr-15                      Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	139	82	51	44	63	133	314	498	606	575	521	540
30	126	80	47	51	71	189	442	627	511	574	497	525
45	99	48	34	69	111	225	495	600	599	517	514	618
00	87	50	47	40	122	254	469	645	531	524	591	622
<b>Hr Total</b>	<b>451</b>	<b>260</b>	<b>179</b>	<b>204</b>	<b>367</b>	<b>801</b>	<b>1,720</b>	<b>2,370</b>	<b>2,247</b>	<b>2,190</b>	<b>2,123</b>	<b>2,305</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	585	597	695	692	681	706	622	497	464	357	295	220
30	625	628	626	632	720	657	571	539	375	355	293	181
45	619	588	601	649	695	657	561	506	382	329	262	151
00	584	593	652	728	714	594	534	473	378	317	215	145
<b>Hr Total</b>	<b>2,413</b>	<b>2,406</b>	<b>2,574</b>	<b>2,701</b>	<b>2,810</b>	<b>2,614</b>	<b>2,288</b>	<b>2,015</b>	<b>1,599</b>	<b>1,358</b>	<b>1,065</b>	<b>697</b>

24 Hour Total : 39,757  
 AM Peak Hour begins : 7:15                      AM Peak Volume : 2,478                      AM Peak Hour Factor : 0.96  
 PM Peak Hour begins : 16:15                      PM Peak Volume : 2,835                      PM Peak Hour Factor : 0.98

# Roadway Count Summary

*Vanasse Hangen Brustlin, Inc.*

Start Date : April 28, 2015                      Start Time                      00:00  
 Stop Date : April 28, 2015                      Stop Time                      24:00  
 County : Osceola                                      Station Number                      319  
 Location : #319 - US 17/92 (Btw MLK Jr Blvd and US 192)

## 28-Apr-15                      Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	41	27	27	34	41	113	267	347	286	294	264	311
30	35	26	21	49	71	193	311	337	280	336	301	319
45	32	26	28	39	101	210	349	332	320	305	315	305
00	34	27	26	35	89	249	342	297	332	294	262	304
<b>Hr Total</b>	<b>142</b>	<b>106</b>	<b>102</b>	<b>157</b>	<b>302</b>	<b>765</b>	<b>1,269</b>	<b>1,313</b>	<b>1,218</b>	<b>1,229</b>	<b>1,142</b>	<b>1,239</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	313	289	342	279	287	275	264	185	156	123	88	45
30	264	296	266	292	275	299	233	168	134	107	108	66
45	284	258	284	288	275	248	208	193	157	98	74	49
00	315	329	334	342	303	243	177	153	114	91	68	42
<b>Hr Total</b>	<b>1,176</b>	<b>1,172</b>	<b>1,226</b>	<b>1,201</b>	<b>1,140</b>	<b>1,065</b>	<b>882</b>	<b>699</b>	<b>561</b>	<b>419</b>	<b>338</b>	<b>202</b>

24 Hour Total : 19,065  
 AM Peak Hour begins : 6:30                      AM Peak Volume : 1,375                      AM Peak Hour Factor : 0.99  
 PM Peak Hour begins : 14:00                      PM Peak Volume : 1,226                      PM Peak Hour Factor : 0.90

## 28-Apr-15                      Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	65	58	27	28	26	64	111	131	270	186	201	232
30	77	53	36	24	30	57	138	198	195	226	178	199
45	58	26	25	29	37	77	160	246	236	207	200	219
00	45	37	25	28	56	86	154	198	219	204	198	243
<b>Hr Total</b>	<b>245</b>	<b>174</b>	<b>113</b>	<b>109</b>	<b>149</b>	<b>284</b>	<b>563</b>	<b>773</b>	<b>920</b>	<b>823</b>	<b>777</b>	<b>893</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	232	290	327	309	335	304	252	256	274	196	177	104
30	263	297	281	287	289	249	252	245	195	189	163	112
45	265	269	256	286	300	280	278	235	203	194	162	94
00	236	266	291	324	327	274	271	225	232	178	110	78
<b>Hr Total</b>	<b>996</b>	<b>1,122</b>	<b>1,155</b>	<b>1,206</b>	<b>1,251</b>	<b>1,107</b>	<b>1,053</b>	<b>961</b>	<b>904</b>	<b>757</b>	<b>612</b>	<b>388</b>

24 Hour Total : 17,335  
 AM Peak Hour begins : 11:45                      AM Peak Volume : 1,003                      AM Peak Hour Factor : 0.95  
 PM Peak Hour begins : 16:00                      PM Peak Volume : 1,251                      PM Peak Hour Factor : 0.93

## 28-Apr-15                      Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	106	85	54	62	67	177	378	478	556	480	465	543
30	112	79	57	73	101	250	449	535	475	562	479	518
45	90	52	53	68	138	287	509	578	556	512	515	524
00	79	64	51	63	145	335	496	495	551	498	460	547
<b>Hr Total</b>	<b>387</b>	<b>280</b>	<b>215</b>	<b>266</b>	<b>451</b>	<b>1,049</b>	<b>1,832</b>	<b>2,086</b>	<b>2,138</b>	<b>2,052</b>	<b>1,919</b>	<b>2,132</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	545	579	669	588	622	579	516	441	430	319	265	149
30	527	593	547	579	564	548	485	413	329	296	271	178
45	549	527	540	574	575	528	486	428	360	292	236	143
00	551	595	625	666	630	517	448	378	346	269	178	120
<b>Hr Total</b>	<b>2,172</b>	<b>2,294</b>	<b>2,381</b>	<b>2,407</b>	<b>2,391</b>	<b>2,172</b>	<b>1,935</b>	<b>1,660</b>	<b>1,465</b>	<b>1,176</b>	<b>950</b>	<b>590</b>

24 Hour Total : 36,400  
 AM Peak Hour begins : 11:45                      AM Peak Volume : 2,168                      AM Peak Hour Factor : 0.99  
 PM Peak Hour begins : 15:15                      PM Peak Volume : 2,441                      PM Peak Hour Factor : 0.92

# Roadway Count Summary

Start Date : April 23, 2015                      Start Time                      00:00  
 Stop Date : April 23, 2015                      Stop Time                      24:00  
 County : Osceola                                      Station Number                905  
 Location : #905 - US 192 (Btw Hoagland Blvd and Thacker Ave)

## 23-Apr-15

### Eastbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	122	77	61	40	20	40	127	200	298	303	268	310
30	140	62	60	33	24	53	117	242	294	297	342	394
45	99	61	37	26	34	49	143	272	353	281	275	320
00	97	59	39	28	27	69	181	354	306	306	287	402
<b>Hr Total</b>	<b>458</b>	<b>259</b>	<b>197</b>	<b>127</b>	<b>105</b>	<b>211</b>	<b>568</b>	<b>1,068</b>	<b>1,251</b>	<b>1,187</b>	<b>1,172</b>	<b>1,426</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	347	366	393	450	433	388	373	259	241	220	175	165
30	351	369	358	410	398	475	324	270	213	217	200	180
45	411	399	448	415	405	435	308	250	217	187	167	168
00	416	386	418	416	445	404	305	231	199	198	155	150
<b>Hr Total</b>	<b>1,525</b>	<b>1,520</b>	<b>1,617</b>	<b>1,691</b>	<b>1,681</b>	<b>1,702</b>	<b>1,310</b>	<b>1,010</b>	<b>870</b>	<b>822</b>	<b>697</b>	<b>663</b>

24 Hour Total : 23,137  
 AM Peak Hour begins : 11:45                      AM Peak Volume : 1,511                      AM Peak Hour Factor : 0.92  
 PM Peak Hour begins : 16:45                      PM Peak Volume : 1,743                      PM Peak Hour Factor : 0.92

## 23-Apr-15

### Westbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	62	38	31	36	47	87	223	332	378	294	296	359
30	71	45	29	34	77	131	219	348	317	284	284	351
45	61	46	31	31	83	135	238	323	376	294	293	388
00	43	31	25	54	70	136	287	319	311	282	348	331
<b>Hr Total</b>	<b>237</b>	<b>160</b>	<b>116</b>	<b>155</b>	<b>277</b>	<b>489</b>	<b>967</b>	<b>1,322</b>	<b>1,382</b>	<b>1,154</b>	<b>1,221</b>	<b>1,429</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	391	377	362	350	406	372	350	279	200	198	164	104
30	370	359	364	439	404	367	313	255	221	179	162	88
45	365	383	386	418	388	350	310	241	208	185	127	69
00	389	408	366	397	379	345	263	221	219	170	99	72
<b>Hr Total</b>	<b>1,515</b>	<b>1,527</b>	<b>1,478</b>	<b>1,604</b>	<b>1,577</b>	<b>1,434</b>	<b>1,236</b>	<b>996</b>	<b>848</b>	<b>732</b>	<b>552</b>	<b>333</b>

24 Hour Total : 22,741  
 AM Peak Hour begins : 11:30                      AM Peak Volume : 1,480                      AM Peak Hour Factor : 0.95  
 PM Peak Hour begins : 15:15                      PM Peak Volume : 1,660                      PM Peak Hour Factor : 0.95

## 23-Apr-15

### Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	184	115	92	76	67	127	350	532	676	597	564	669
30	211	107	89	67	101	184	336	590	611	581	626	745
45	160	107	68	57	117	184	381	595	729	575	568	708
00	140	90	64	82	97	205	468	673	617	588	635	733
<b>Hr Total</b>	<b>695</b>	<b>419</b>	<b>313</b>	<b>282</b>	<b>382</b>	<b>700</b>	<b>1,535</b>	<b>2,390</b>	<b>2,633</b>	<b>2,341</b>	<b>2,393</b>	<b>2,855</b>

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	738	743	755	800	839	760	723	538	441	418	339	269
30	721	728	722	849	802	842	637	525	434	396	362	268
45	776	782	834	833	793	785	618	491	425	372	294	237
00	805	794	784	813	824	749	568	452	418	368	254	222
<b>Hr Total</b>	<b>3,040</b>	<b>3,047</b>	<b>3,095</b>	<b>3,295</b>	<b>3,258</b>	<b>3,136</b>	<b>2,546</b>	<b>2,006</b>	<b>1,718</b>	<b>1,554</b>	<b>1,249</b>	<b>996</b>

24 Hour Total : 45,878  
 AM Peak Hour begins : 11:45                      AM Peak Volume : 2,968                      AM Peak Hour Factor : 0.96  
 PM Peak Hour begins : 15:15                      PM Peak Volume : 3,334                      PM Peak Hour Factor : 0.98

COUNTY: 92  
 STATION: 8041  
 DESCRIPTION: THACKER AVE, N OF DONEGAN AVE - OFF SYSTEM  
 START DATE: 04/10/2014  
 START TIME: 1300

TIME	DIRECTION: N					DIRECTION: S					COMBINED TOTAL
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	
0000	14	10	9	8	41	20	22	19	12	73	114
0100	10	9	5	3	27	12	10	9	4	35	62
0200	6	4	4	7	21	9	11	7	11	38	59
0300	5	3	7	11	26	6	6	7	3	22	48
0400	10	9	16	12	47	2	0	2	6	10	57
0500	10	23	27	33	93	8	6	18	18	50	143
0600	46	57	68	72	243	24	23	40	30	117	360
0700	84	119	116	118	437	45	69	93	87	294	731
0800	115	126	92	74	407	75	78	69	82	304	711
0900	77	81	71	89	318	66	62	52	59	239	557
1000	66	83	81	69	299	46	69	62	52	229	528
1100	83	72	87	78	320	58	65	53	82	258	578
1200	80	91	88	90	349	67	76	66	77	286	635
1300	64	84	84	115	347	72	75	78	86	311	658
1400	87	64	89	95	335	72	85	90	103	350	685
1500	115	95	102	109	421	83	91	105	138	417	838
1600	120	102	97	109	428	133	150	117	126	526	954
1700	97	109	119	92	417	140	147	156	147	590	1007
1800	110	82	87	74	353	144	141	122	100	507	860
1900	99	78	72	78	327	102	82	80	80	344	671
2000	70	58	65	40	233	69	59	70	73	271	504
2100	52	51	45	49	197	48	58	62	50	218	415
2200	54	23	36	32	145	43	39	39	33	154	299
2300	21	30	28	14	93	37	29	29	19	114	207
24-HOUR TOTALS:	5924					5757					11681

PEAK VOLUME INFORMATION

	DIRECTION: N		DIRECTION: S		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	730	475	730	333	730	808
P.M.	1645	434	1715	594	1715	1024
DAILY	730	475	1715	594	1715	1024

COUNTY: 92  
 STATION: 7068  
 DESCRIPTION: THACKER AVENUE, HENRY TO MABBETTE STREET (HPMS) SA  
 START DATE: 07/29/2014  
 START TIME: 0000

TIME	DIRECTION: N					DIRECTION: S					COMBINED TOTAL	
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL		
0000	7	9	10	2	28	10	12	18	4	44	72	
0100	3	7	14	3	27	9	14	4	12	39	66	
0200	6	4	7	2	19	10	4	5	9	28	47	
0300	5	5	6	5	21	5	8	7	5	25	46	
0400	4	7	11	13	35	5	12	13	8	38	73	
0500	15	22	23	41	101	13	7	19	34	73	174	
0600	46	36	53	63	198	22	33	46	57	158	356	
0700	67	79	103	116	365	44	53	59	58	214	579	
0800	97	96	102	94	389	64	55	54	75	248	637	
0900	103	94	76	93	366	78	54	60	59	251	617	
1000	98	90	88	108	384	58	53	68	70	249	633	
1100	108	87	104	104	403	68	70	60	92	290	693	
1200	82	87	104	88	361	83	89	80	102	354	715	
1300	114	104	93	72	383	100	103	95	78	376	759	
1400	102	85	85	78	350	88	115	98	84	385	735	
1500	85	81	116	69	351	90	102	96	91	379	730	
1600	94	82	101	84	361	108	102	126	118	454	815	
1700	109	97	88	86	380	146	169	162	128	605	985	
1800	72	92	99	65	328	135	120	82	79	416	744	
1900	65	67	49	44	225	99	70	47	67	283	508	
2000	51	46	46	51	194	43	44	51	48	186	380	
2100	48	39	31	46	164	38	41	44	40	163	327	
2200	23	24	21	14	82	44	43	32	24	143	225	
2300	9	14	8	12	43	37	31	25	16	109	152	
24-HOUR TOTALS:					5558						5510	11068

	PEAK VOLUME INFORMATION					
	DIRECTION: N		DIRECTION: S		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	730	412	845	267	815	657
P.M.	1230	410	1700	605	1700	985
DAILY	730	412	1700	605	1700	985

TRUCK PERCENTAGE      7.05                              12.20                              9.61

CLASSIFICATION SUMMARY DATABASE																	
DIR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTTRK	TOTVOL
N	31	4709	426	91	131	38	67	49	15	1	0	0	0	0	0	392	5558
S	44	4203	588	182	264	96	16	82	21	9	0	0	2	0	3	672	5510

COUNTY: 92  
 STATION: 7086  
 DESCRIPTION: ON S. ORANGE BLOSSOM TRAIL, 0.21 MILES NORTH OF OA  
 START DATE: 08/12/2014  
 START TIME: 0245

TIME	DIRECTION: N					DIRECTION: S					COMBINED TOTAL
	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	
0000	41	34	43	26	144	75	82	61	60	278	422
0100	26	40	15	27	108	55	44	51	31	181	289
0200	26	26	27	21	100	29	48	33	29	139	239
0300	35	41	38	42	156	27	23	28	17	95	251
0400	45	55	87	86	273	20	22	30	33	105	378
0500	114	149	183	202	648	43	41	65	57	206	854
0600	228	315	270	288	1101	79	104	141	134	458	1559
0700	334	280	306	288	1208	139	195	214	253	801	2009
0800	281	308	320	287	1196	211	181	209	182	783	1979
0900	308	282	328	245	1163	217	205	185	209	816	1979
1000	297	309	312	312	1230	194	257	201	236	888	2118
1100	325	307	341	323	1296	216	220	207	230	873	2169
1200	335	310	349	355	1349	231	224	250	289	994	2343
1300	328	324	348	321	1321	270	246	282	291	1089	2410
1400	324	315	330	293	1262	246	267	257	246	1016	2278
1500	271	293	334	319	1217	288	269	274	237	1068	2285
1600	316	293	304	320	1233	280	293	263	264	1100	2333
1700	343	297	302	244	1186	265	284	258	262	1069	2255
1800	260	217	219	206	902	298	250	253	268	1069	1971
1900	189	235	208	166	798	243	231	231	216	921	1719
2000	165	174	159	133	631	175	232	208	208	823	1454
2100	173	133	118	115	539	193	190	154	160	697	1236
2200	95	104	85	86	370	132	155	125	133	545	915
2300	85	57	56	51	249	124	130	78	80	412	661
24-HOUR TOTALS:	19680					16426					36106

	DIRECTION: N		DIRECTION: S		COMBINED DIRECTIONS	
	HOUR	VOLUME	HOUR	VOLUME	HOUR	VOLUME
A.M.	815	1223	715	873	745	2051
P.M.	1230	1356	1715	1102	1245	2442
DAILY	1230	1356	1715	1102	1245	2442

TRUCK PERCENTAGE 10.33 14.36 12.16

CLASSIFICATION SUMMARY DATABASE																	
DIR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTTRK	TOTVOL
N	227	14366	2725	116	534	333	44	626	251	94	4	0	30	0	330	2032	19680
S	309	11317	2181	270	526	354	60	697	252	145	0	0	55	0	260	2359	16426

SEMINOLE COUNTY TRAFFIC ENGINEERING DEPARTMENT

2016 Annual Count Report

Station ID	Roadway	Segment Limits	Counter Location	2015 AADT	2016 AADT	K Factor	D Factor	Pk. Period Start Time	Peak Hour Volume				Through Lanes	Posted Speed
									Total	Pk Dir	Dir	Opp Dir		
116	Wayside Dr	SR 46 to Wayside Dr	800' S of SR 46	2,709	2,322	0.127	0.774	17:00	296	229	NB	67	2	35
117	Greenway Blvd	Longwood Lake Mary Rd to Lake Park Dr	150' W of Longwood Lake Mary Rd	7,442	8,235	0.104	0.502	16:45	856	430	EB	426	2	30
118	Greenway Blvd	Lake Park Dr to Lake Emma Rd	500' W of Greenford Dr	7,090	7,717	0.106	0.590	6:45	817	482	EB	335	2	30
119	Greenwood Blvd	Lake Emma Rd to Buttonwood Dr	250' W of Donegal Drive	8,446	9,128	0.104	0.634	17:00	953	604	EB	349	4	35
120	Greenwood Blvd	Buttonwood Dr to Lake Way Rd	200' E of Buttonwood Dr	9,319	9,839	0.106	0.585	17:00	1,039	607	EB	432	4	35
120A	Greenwood Blvd	Lake Way Rd to Lake Mary Blvd	250' N of Lake Way	18,571	18,119	0.105	0.533	#N/A	1,901	1,014	NB	887	4	35
121	Hattaway Dr	SR 436 to Altamonte City Limits	100' S of Genevieve Dr	3,808	4,152	0.101	0.524	17:15	419	219	NB	200	2	25
122	Hester Ave	CR 427 to Myrtle Ave	75' N of Railroad Tracks	2,669	2,734	0.105	0.658	17:00	288	190	NB	98	2	35
122A	Hillview Dr	SR 434 to Discovery Ct	100' East of Durango Way	4,602	3,245	0.140	0.912	7:30	453	413	EB	40	2	25
123	Holliday Ave	Bear Lake Rd to Balmy Beach Dr	15' W of Bear Lake Clubhouse Drway	2,258	2,458	0.114	0.694	17:00	281	195	EB	86	2	25
124	Howell Branch Rd	Orange County Line to Lake Howell Rd	75' E of Waumpi Dr	29,825	28,842	0.068	0.767	16:30	1,965	1,507	EB	458	4	35
125	Howell Branch Rd	Lake Howell Rd to SR 436	500' E of Lake Howell Rd	28,672	28,969	0.085	0.631	16:30	2,467	1,557	EB	910	4	35
126	Howell Branch Rd	SR 436 to Eastbrook Blvd	100' W of Eastbrook Blvd	30,673	32,030	0.093	0.600	7:45	2,964	1,778	EB	1,186	4	40
127	Howell Branch Rd	Eastbrook Blvd to Dike Rd	100' W of Dike Rd	28,238	29,343	0.095	0.612	17:15	2,786	1,706	EB	1,080	4	40
128	Howell Branch Rd	Dike Rd to Dodd Rd	100' E of Grand Ave	23,375	24,147	0.093	0.572	7:15	2,257	1,291	EB	966	4	40
129	Howell Branch Rd	Dodd Rd to SR 426	100' N of Village Green Dr	18,200	18,337	0.097	0.559	17:00	1,774	991	NB	783	4	40
130	Hunt Club Blvd	Wekiva Springs Rd to E-W Wekiva Trail (N)	50' N of Winchester Pl	7,849	8,150	0.090	0.574	16:30	734	421	NB	313	4	35
131	Hunt Club Blvd	E-W Wekiva Trail (N) to E-W Wekiva Trail (S)	350' S of E-W Wekiva Trail (N)	5,530	6,001	0.094	0.570	16:15	564	321	NB	243	4	35
132	Hunt Club Blvd	E-W Wekiva Trail (S) to Sand Lake Rd	100' S of Beaufort Dr	14,647	14,790	0.095	0.605	17:00	1,408	851	NB	557	4	35
133	Hunt Club Blvd	Sand Lake Rd to SR 436	1000' N of SR 436	12,935	12,935	0.091	0.561	17:00	1,182	664	NB	518	4	35
371	International Pkwy	SR 46 to Wayside Dr	200' South of SR 46	10,229	10,316	0.101	0.733	7:30	1,044	765	NB	279	4	45
372	International Pkwy	Wayside Dr. to Wilson Rd	200' South of Wayside Dr	12,892	13,727	0.105	0.688	17:00	1,442	992	NB	450	4	45
373	International Pkwy	Wilson Rd to Metz Ave	100' North of Metz Ave	13,804	14,847	0.103	0.637	17:00	1,535	978	NB	557	4	45
373A	International Pkwy	Metz Ave to CR 46A	100' North of Colonial Center Pkwy	14,279	15,307	0.120	0.727	17:00	1,830	1,331	NB	499	4	45
373B	International Pkwy	CR 46A to AAA Dr	500' S of CR 46A	17,276	18,269	0.109	0.786	16:30	1,997	1,570	NB	427	4	35
373C	International Pkwy	AAA Drive to Lake Mary Blvd	200' South of Bridgewater Dr	15,165	15,956	0.100	0.688	17:00	1,589	1,094	NB	495	4	35
134A	Kewannee Trl	SR 436 to Derbyshire Rd	500' S of SR436	3,365	3,217	0.108	0.616	17:00	349	215	NB	134	2	25
135	Lake Emma Rd	Lake Mary Blvd to Lake Mary Center	100' N of Lake Mary Center Signal	29,595	29,808	0.087	0.651	7:45	2,593	1,687	NB	906	4	45
136	Lake Emma Rd	Lake Mary Center to Greenwood Blvd	1000' S of Lake Mary Blvd	28,581	28,200	0.090	0.644	7:45	2,548	1,641	NB	907	4	45
137	Lake Emma Rd	Greenwood Blvd to Sand Pond Rd	500' S of Greenwood Blvd	23,687	24,348	0.086	0.599	7:45	2,101	1,259	NB	842	4	45
138	Lake Emma Rd	Sand Pond Rd to Greenway Blvd	500' N of Greenway Blvd	16,708	18,341	0.107	0.638	17:00	1,966	1,255	NB	711	4	40
139	Lake Emma Rd	Greenway Blvd to Longwood Hills Rd	3700' S of Greenway Blvd	15,631	16,070	0.111	0.580	17:00	1,787	1,037	NB	750	4	40
140	Lake Howell Ln	SR 436 to Lake Howell Rd	500' E of Lake Howell Rd	4,023	4,098	0.099	0.559	16:45	406	227	EB	179	2	25
141	Lake Howell Rd	SR 436 to Tuscarora Trail	800' N of Lake Howell Ln	10,548	9,346	0.096	0.615	17:00	901	554	NB	347	2	35
142	Lake Howell Rd	Tuscarora Trail to Howell Branch Rd	100' S of Meadow Ave	14,853	13,169	0.093	0.600	17:00	1,231	739	NB	492	2	35
143	Lake Howell Rd	Howell Branch Rd to County Line	100' S of Ivy Ln	12,200	11,953	0.118	0.740	17:00	1,408	1,042	NB	366	2	25
144	Lake Markham Rd	SR 46 to S. Sylvan Lake Dr	800' S of SR 46	1,388	1,343	0.092	0.541	17:15	123	67	NB	56	2	25
145	Lake Markham Rd	S. Sylvan Lake Dr to Markham Rd	1500' N of Markham Rd	1,777	1,768	0.101	0.574	18:00	178	102	NB	76	2	35
146	Lake Mary Blvd	Markham Woods Rd to I-4	W of Heathrow Tennis Club	20,268	21,006	0.091	0.606	17:15	1,908	1,157	EB	751	4	45
147	Lake Mary Blvd	I-4 to Lake Emma Rd	500' W of Lake Emma Rd	68,963	66,546	0.085	0.571	16:45	5,626	3,212	EB	2,414	6	45
148	Lake Mary Blvd	Lake Emma Rd to Rinehart/Greenwood	2500' E of Lake Emma	41,519	46,500	0.077	0.518	17:00	3,559	1,842	EB	1,717	6	45

SEMINOLE COUNTY TRAFFIC ENGINEERING DEPARTMENT

2016 Annual Count Report

Station ID	Roadway	Segment Limits	Counter Location	2015 AADT	2016 AADT	K Factor	D Factor	Pk. Period Start Time	Peak Hour Volume				Through Lanes	Posted Speed
									Total	Pk Dir	Dir	Opp Dir		
292	SR 434	Mitchell Hammock Rd to SR 426-CR 419	100' N of Clark St	12,526	13,037	0.083	0.554	17:00	1,082	600	NB	482	2	45/35/30
293	SR 434	SR 426-CR 419 to DeLeon St	100' S of Artesia Rd	18,313	19,183	0.095	0.602	17:15	1,828	1,100	NB	728	2	40
294	SR 434	DeLeon St to E-W Expressway	500' W of Palm Dr	20,840	24,056	0.101	0.617	17:00	2,424	1,495	EB	929	2	40
295	SR 434	E-W Expressway to Springs Ave	100' E of Springs Ave	24,694	25,977	0.098	0.511	16:45	2,542	1,298	EB	1,244	4	50/45
296	SR 434	Springs Ave to Tuskawilla Rd	2000' E of Tuskawilla Rd	24,104	25,682	0.096	0.535	17:00	2,477	1,324	EB	1,153	4	45
297	SR 434	Tuskawilla Rd to SR 419	2700' E of SR 419	33,673	37,075	0.095	0.562	17:00	3,519	1,979	EB	1,540	4	50
298	SR 434	SR 419 to Belle Ave	100' E of Moss Rd	24,372	24,444	0.090	0.584	16:45	2,212	1,292	EB	920	4	45
299	SR 434	Belle Ave to US 17-92	150' W of Timberlane Trail	33,372	33,431	0.093	0.607	17:00	3,114	1,889	EB	1,225	4	45
300	SR 434	US 17-92 to CR 427	100' E of Oxford Rd	28,112	27,789	0.078	0.583	16:30	2,179	1,270	EB	909	4	45
301	SR 434	CR 427 to Rangeline Rd	500' E of Savage Court	39,081	41,825	0.073	0.524	8:30	3,055	1,601	EB	1,454	4	45
302	SR 434	Rangeline Rd to Palm Springs Dr	100' E of Harbor Isle Way	43,653	43,886	0.074	0.522	16:30	3,243	1,693	EB	1,550	4	45
303	SR 434	Palm Springs Dr to Raymond Ave	100' W of Tarrytown Trail	39,240	41,493	0.075	0.524	16:00	3,132	1,642	EB	1,490	4	45
304	SR 434	Raymond Ave to I-4	100' W of Raymond Ave	46,611	50,987	0.076	0.519	16:15	3,897	2,024	EB	1,873	4	35
305	SR 434	I-4 to Douglas Ave	150' E of Douglas Ave	55,872	57,583	0.079	0.542	7:30	4,568	2,477	EB	2,091	6	35
306	SR 434	Douglas Ave to Wekiva Springs Rd	100' E of Pine St	55,948	56,481	0.082	0.528	7:30	4,631	2,446	EB	2,185	6	35/45
307	SR 434	Wekiva Springs Rd to Sand Lake Rd	100' E of Lake Rena Dr	37,070	38,706	0.084	0.513	16:45	3,260	1,672	EB	1,588	4	45
308	SR 434	Sand Lake Rd to SR 436	1000' S of Sand Lake Rd	37,532	38,954	0.087	0.581	16:45	3,372	1,960	NB	1,412	4	45
309A	SR 434	SR 436 to W. Town Pkwy	200' S. of SR 436	42,808	45,780	0.084	0.558	17:15	3,863	2,156	NB	1,707	6	45
309B	SR 434	W. Town Pkwy to Trailwood Dr	200' S. of W. Town Pkwy	45,619	51,975	0.092	0.637	17:00	4,770	3,040	NB	1,730	6	45
309C	SR 434	Trailwood Dr to SR 414	200' W. of Trailwood Dr	44,344	46,521	0.092	0.627	16:45	4,268	2,677	NB	1,591	6	45
310	SR 436	Orange County Line to Howell Branch Rd	500' N of Casselton Dr	50,614	51,425	0.077	0.568	16:45	3,941	2,238	NB	1,703	6	50
311	SR 436	Howell Branch Road to Lake Howell Rd	500' S of Lake Howell Rd	52,883	59,672	0.076	0.531	16:45	4,535	2,410	NB	2,125	6	50
311A	SR 436	Lake Howell Rd to Red Bug Lake Rd	500' N of Lake Howell Rd	54,978	59,680	0.078	0.544	17:00	4,640	2,524	NB	2,116	6	50/45
312	SR 436	Red Bug Lake Rd to US 17-92	2100' S of US 17-92	61,288	69,041	0.073	0.591	7:45	5,057	2,989	NB	2,068	6	40
313	SR 436	US 17-92 to CR 427 (Longwood Ave)	500' E of RxR Tracks	45,374	47,223	0.077	0.524	16:30	3,630	1,903	EB	1,727	6	40
314	SR 436	CR 427 (Longwood) to CR 427 (Maitland)	500' W of Newburyport Dr	51,376	54,560	0.076	0.518	16:30	4,133	2,141	EB	1,992	6	40
315	SR 436	CR 427 (Maitland) to Palm Springs Dr	500' E of Boston Ave	59,654	58,756	0.076	0.528	16:45	4,480	2,366	EB	2,114	6	40
316	SR 436	Palm Springs Dr to Northlake Blvd	500' E of Northlake Blvd	59,320	60,391	0.070	0.523	13:30	4,256	2,228	EB	2,028	8	40
317	SR 436	Northlake Blvd to I-4 East Ramp	500' W of Northlake Blvd	68,426	69,807	0.069	0.533	12:00	4,801	2,560	EB	2,241	8	40
318	SR 436	I-4 East Ramp to Wymore-Douglas	150' E of Wymore-Douglas	57,035	55,325	0.069	0.529	17:00	3,834	2,028	EB	1,806	6	40
319	SR 436	Wymore-Douglas to Lynchfield Ave	500' E of Grace Blvd	59,716	58,859	0.077	0.588	17:00	4,523	2,658	EB	1,865	8	45
320	SR 436	Lynchfield Ave to Montgomery Rd	500' E of Montgomery Rd	54,681	58,030	0.073	0.538	16:00	4,257	2,291	EB	1,966	8	45
320A	SR 436	Montgomery Rd to SR 434	500' W of Montgomery Rd	54,806	58,535	0.079	0.543	16:45	4,643	2,520	EB	2,123	8	45
321	SR 436	SR 434 to Bear Lake Rd	500' E of Post Lake	49,935	53,893	0.080	0.513	17:00	4,296	2,205	EB	2,091	6	45
322	SR 436	Bear Lake Rd to Hunt Club Blvd	500' W of Bear Lake Rd	53,571	56,678	0.081	0.546	17:00	4,612	2,516	EB	2,096	6	45
323	SR 436	Hunt Club Blvd to Orange County Line	500' W of Balmly Beach Dr	51,298	50,013	0.082	0.686	7:45	4,094	2,810	EB	1,284	6	45
324	Tangerine Ave	Howell Branch Rd to Orange County Line	75' N of Jackman Rd	4,216	3,940	0.128	0.539	7:45	505	272	NB	233	2	25
325	Triplet Lake	US 17-92 to N. Triplet Lake Dr	150' W of Sunset Dr	3,393	2,571	0.109	0.650	17:30	280	182	EB	98	2	25
326	Tuskawilla Rd	SR 434 to Trotwood Blvd	2200' N of Trotwood Blvd	19,898	19,383	0.094	0.538	16:45	1,814	976	NB	838	4	45
327	Tuskawilla Rd	Trotwood Blvd to Winter Springs Blvd	500' N of Arbor Glen Cir	20,366	19,751	0.092	0.508	16:45	1,808	919	NB	889	4	45
328	Tuskawilla Rd	Winter Springs Blvd to Dyson Dr	1000' S of Winter Springs Blvd	21,706	22,925	0.093	0.546	17:15	2,136	1,167	NB	969	4	45

SEMINOLE COUNTY TRAFFIC ENGINEERING DEPARTMENT

2016 Annual Count Report

Station ID	Roadway	Segment Limits	Counter Location	2015 AADT	2016 AADT	K Factor	D Factor	Pk. Period Start Time	Peak Hour Volume				Through Lanes	Posted Speed
									Total	Pk Dir	Dir	Opp Dir		
329	Tuskawilla Rd	Dyson Dr to E Lake Dr	100' S of Dyson	25,918	27,006	0.094	0.575	17:15	2,541	1,462	NB	1,079	4	45
330	Tuskawilla Rd	E Lake Dr to Eagle Blvd	500' N of Eagle Blvd	34,365	34,965	0.096	0.527	14:15	3,342	1,760	NB	1,582	4	45
331	Tuskawilla Rd	Eagle Blvd to Red Bug Lake Rd	800' S of Eagle Blvd	34,355	35,737	0.093	0.529	17:15	3,334	1,763	NB	1,571	4	45
332	Tuskawilla Rd	Red Bug Lake Rd to Dike Rd	1300' S of Willa Springs Dr	31,158	32,744	0.093	0.532	17:00	3,054	1,624	NB	1,430	6	45
333	Tuskawilla Rd	Dike Rd to SR 426	10' N of Old Bear Run	27,781	28,691	0.090	0.530	17:15	2,586	1,372	NB	1,214	4	45
334	Upsala Rd	SR 46 to Coastline Rd	1000' S of SR 46	8,692	8,830	0.096	0.654	17:00	852	557	NB	295	2	30
335	Upsala Rd	Coastline Rd to Central Park Dr	300' N of West 90 Turn	6,554	6,945	0.098	0.584	17:00	683	399	NB	284	2	30
336	Upsala Rd	East 90 Turn to CR 46A	2000' N of CR 46A	10,671	11,659	0.098	0.563	16:45	1,140	642	NB	498	2	40
337	US 17-92	Orange County Line to Lake of the Woods	100' N of Spartan Dr	47,588	53,750	0.080	0.660	16:45	4,283	2,825	NB	1,458	6	45
338	US 17-92	Lake of the Wood to SR 436	150' S of Fernwood Blvd	44,451	52,476	0.082	0.737	7:15	4,312	3,176	NB	1,136	6	45
339	US 17-92	SR 436 to Triplet Lake Dr	100' N of Live Oaks Blvd	47,271	53,042	0.081	0.601	16:45	4,296	2,583	NB	1,713	6	45
340	US 17-92	Triplet Lake Dr to Seminola-Dogtrack	100' N of Concord St	47,767	49,705	0.079	0.573	16:45	3,911	2,242	NB	1,669	6	45
341	US 17-92	Seminola-Dogtrack to SR 434	100' N of Laura St	46,140	50,226	0.088	0.587	16:45	4,431	2,601	NB	1,830	6	45
341A	US 17-92	SR 434 to Shepard Rd	50' S of Longdale Ave	35,234	36,433	0.090	0.550	17:00	3,296	1,812	NB	1,484	6	45
342	US 17-92	Shepard Rd to General Hutchison Pkwy	200' N of Raven-Shepard	31,220	35,003	0.091	0.576	7:30	3,197	1,841	NB	1,356	4	45/50
342A	US 17-92	General Hutchison to CR 427/SR 419	500' S of CR 427	41,132	42,843	0.087	0.555	16:45	3,725	2,069	NB	1,656	4	50
343	US 17-92	CR 427-SR 419 to CR 427	200' N of CR 427-SR 419	35,029	38,912	0.087	0.548	16:45	3,384	1,853	NB	1,531	4	50
344	US 17-92	CR 427 to Lake Mary Blvd	500' S of County Home Rd	30,410	32,002	0.087	0.543	16:45	2,781	1,511	NB	1,270	4	50
345	US 17-92	Lake Mary Blvd to Airport Blvd	1300' N of Lake Mary Blvd	31,465	41,057	0.083	0.541	16:45	3,410	1,843	NB	1,567	4	45
346	US 17-92	Airport Blvd to CR 46A	100' N of Park Ave	22,107	22,822	0.084	0.544	16:30	1,926	1,047	NB	879	4	45
347	US 17-92	CR 46A to SR 46	100' N of 13th St	25,911	25,673	0.082	0.514	16:30	2,113	1,087	NB	1,026	4	45/40/35
348	US 17-92	SR 46 to Seminole Blvd	100' N of Fulton St	12,910	13,964	0.092	0.628	16:45	1,280	804	NB	476	4	40
349	US 17-92	Seminole Blvd to Oak Dr	100' E of Oak Dr	13,430	15,948	0.091	0.642	16:45	1,455	934	EB	521	2	55
350	US 17-92	Oak Dr to CR 15 (Upsala Rd)	500' E of Upsala Rd	15,406	17,101	0.093	0.651	16:30	1,598	1,040	EB	558	2	50
351	US 17-92	CR 15 (Upsala Rd) to Volusia County Line	500' W of I-4	25,709	26,367	0.104	0.724	17:00	2,732	1,978	EB	754	4	50
352	US 441	Orange County Line to Orange County Line	100' S of Overland Rd	31,038	31,698	0.083	0.635	16:15	2,624	1,667	NB	957	4	45
353	Wekiva Springs Ln	SR 434 to Wekiva Springs Rd	350' N of SR 434	3,900	3,712	0.090	0.626	12:45	334	209	NB	125	2	30
354	Wekiva Springs Rd	Orange County Line to Hunt Club Blvd	500' W of Riverview Dr	14,990	16,240	0.091	0.556	16:45	1,476	821	EB	655	2	35
355	Wekiva Springs Rd	Hunt Club Blvd to Fox Valley Dr	500' W of Riverbend Blvd	20,440	21,079	0.088	0.549	17:00	1,857	1,020	EB	837	2	35
356	Wekiva Springs Rd	Fox Valley Dr to E Lake Brantley Dr	150' E of Emergency Signal	25,858	25,721	0.083	0.587	16:45	2,131	1,250	EB	881	4	40
357	Wekiva Springs Rd	E Lakre Brantley Dr to SR 434	1000' E of Wekiva Springs Ln	28,317	28,956	0.085	0.568	16:45	2,462	1,398	EB	1,064	4	40
358	West Lake Brantley (E)	Sand Lake Rd to SR 436	75' N of Ohio Ave-Charles Cir	5,118	5,409	0.114	0.610	7:30	614	375	NB	239	2	35
359	West Lake Brantley (W)	Sand Lake Rd to Jennifer Hope Blvd	250' S of Vestivia Way	4,070	4,378	0.089	0.620	17:15	388	241	NB	147	2	35
360	West Lake Brantley (W)	Jennifer Hope Blvd to Westwood Dr	500' N of Brantley Hills Court	2,674	2,733	0.093	0.598	16:15	255	152	NB	103	2	35
361	W Wekiva Trl	Hunt Club Blvd to Canterclub Trail	300' E of Lochberry Pl	4,290	4,371	0.101	0.584	17:30	441	258	EB	183	2	35
362	W Wekiva Trl	Canterclub Trail to Hunt Club Blvd	50' W of Coble Dr	2,204	2,272	0.102	0.606	17:00	231	140	EB	91	2	35
363	Winter Park Dr	SR 436 to Wilshire Blvd	75' N of Cannon Way	12,438	12,084	0.095	0.557	17:00	1,142	636	NB	506	2	30
364	Winter Park Dr	Wilshire Blvd to Queen's Mirror Cir	300' N of Marigold Rd	12,244	11,770	0.095	0.540	17:00	1,113	601	NB	512	2	30
365	Winter Park Dr	Queen's Mirror Cir to Crystal Bowl Cir	150' S of Crystal Bowl Cir Signal	12,927	12,540	0.096	0.576	17:00	1,208	696	NB	512	2	30
366	Winter Park Dr	Crystal Bowl Cir to Seminola Blvd	1500' S of Seminola Blvd	12,534	12,781	0.102	0.539	17:15	1,306	704	NB	602	2	30
367	Wymore Rd	SR 436 to Westmonte Dr	100' N of Westmonte Dr	14,032	14,276	0.085	0.655	7:45	1,213	795	NB	418	2	30