

# RMTA FY2017 Annual Traffic and Toll Revenue Report

Richmond Metropolitan Transportation Authority

January 2018

Final Report



#### **Richmond Metropolitan Transportation Authority**



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Document No.

# **Richmond Metropolitan Transportation Authority**



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## **Executive Summary**

The annual traffic and toll revenue report for the Richmond Metropolitan Transportation Authority (RMTA) provides a snapshot of the performance of the RMTA traffic and toll revenue in reference to historical traffic and revenue, forecasted traffic and revenue and the underlying reasons for these emerging trends. The figures below present these findings at high level.

Table 1: RMTA Traffic and Toll Revenue, FY16 to FY17

- Overall traffic and revenue grew from FY16 to FY17, at 2.1 and 2.4 percent, respectively
- The Powhite Parkway grew the most in absolute and percent terms at 2.8 percent
- The Downtown Expressway showed consistent growth at over 1.4 percent
- The Boulevard Bridge remained relatively stable with a loss of 0.2 percent

FY16 to FY17					
Facility	FY16	FY17	Difference		
racility	F110	F117	Absolute	Percent	
Transactions					
Powhite Parkway	36,350,428	37,354,162	1,003,734	2.8%	
Downtown Expressway	21,561,269	21,863,219	301,950	1.4%	
Boulevard Bridge	4,343,172	4,332,640	-10,532	-0.2%	
RMTA Total	62,254,869	63,550,021	1,295,152	2.1%	
	Toll Re	venue			
Powhite Parkway	\$24,796,350	\$25,470,997	\$674,647	2.7%	
Downtown Expressway	\$13,674,656	\$13,979,051	\$304,395	2.2%	
Boulevard Bridge	\$1,523,353	\$1,510,119	-\$13,234	-0.9%	
RMTA Total	\$39,994,359	\$40,960,167	\$965,808	2.4%	

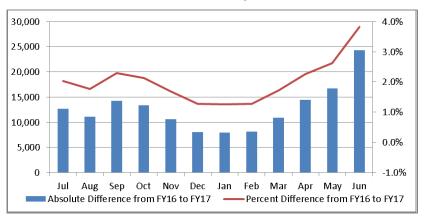
Table 2: RMTA FY16 Traffic and Toll, Actual vs. Forecast

Actual versus Forecast				
Facility	Actual	Forecast	Differe	ence
racility	Actual	roiecasi	Absolute	Percent
	Transac	ctions		
Powhite Parkway	37,354,162	36,294,000	1,060,162	2.8%
Downtown Expressway	21,863,219	21,855,000	8,219	0.0%
Boulevard Bridge	4,332,640	4,238,000	94,640	2.2%
RMTA Total	63,550,021	62,387,000	1,163,021	1.8%
	Toll Re	venue		
Powhite Parkway	\$25,470,997	\$24,745,000	\$725,997	2.9%
Downtown Expressway	\$13,979,051	\$13,885,000	\$94,051	0.7%
Boulevard Bridge	\$1,510,119	\$1,486,000	\$24,119	1.6%
RMTA Total	\$40,960,167	\$40,116,000	\$844,167	2.1%

• The overall forecast was achieved due to modest growth across all of RMTA's assets

Figure 1: Year over Year Employment Growth, in Absolute and Percent Terms

- Employment has emerged as the key economic indicator to predict traffic on the RMTA system
- Employment growth for the Richmond Metropolitan Area was positive and strong throughout FY17, with rates between 1.3 and 3.8 percent





#### 1. Introduction

Jacobs, as the traffic and revenue consultant for the Richmond Metropolitan Transportation Authority (RMTA), provides an annual traffic and toll revenue report at the conclusion of each fiscal year. The purpose of the report is the following:

- 1. Provide a definitive dataset of the traffic and toll revenue achieved in the fiscal year for reference
- 2. Review the performance of the traffic and toll revenue forecast
- 3. Identify long standing and emerging trends in traffic and toll revenue on the RMTA system
- 4. Review external economic factors that affect traffic and toll revenue on the RMTA system; and
- 5. Present the current fiscal year's forecast in reference to previous year's final result.

In order to efficiently realize the stated purposes above and provide the RMTA an accessible review of the data, a series of tables and charts were developed with explanatory bullet points to provide deeper insight of trends as necessary.

The table of contents, which precedes this introduction, provides an outline of the presentation of the data.



## 2. RMTA Expressway System Overview

The Richmond Metropolitan Authority (RMA) was created by an act of the Virginia General Assembly in 1966, as an independent authority and political subdivision. The RMA was originally formed to build and maintain a toll expressway system in the City of Richmond and the surrounding areas. Over the years, the role of the RMA expanded to include parking decks, The Diamond, a baseball stadium home to the San Francisco Giants AA farm team (Richmond Flying Squirrels) and operation of the Main Street Station, a completely restored Amtrak train station in Downtown Richmond, as well as the power to construct, own, and operate coliseums and arenas. However, the RMA Expressway System was always a separate financial entity; therefore, there is no comingling of funds to subsidize non-Expressway projects. This allowed for the transfer of some of the non-Expressway system assets to the City of Richmond in 2013 and 2014, including the parking decks and The Diamond. On July 1, 2014 the Virginia General Assembly changed the Authority's name to the Richmond Metropolitan Transportation Authority (RMTA) to align the name with the current focus on transportation and mobility aspects of the region. This legislation also equalized representation on the Authority's Board of Directors, which consists of five appointees of the City of Richmond and Counties of Chesterfield and Henrico, and one appointee of the Commonwealth Transportation Board.

The current RMTA Expressway System consists of three facilities: the Powhite Parkway, the Downtown Expressway and the Boulevard Bridge. The location map of the RMTA Expressway System is shown in Figure 2. A further description of each of the facilities on the RMTA Expressway System follows.

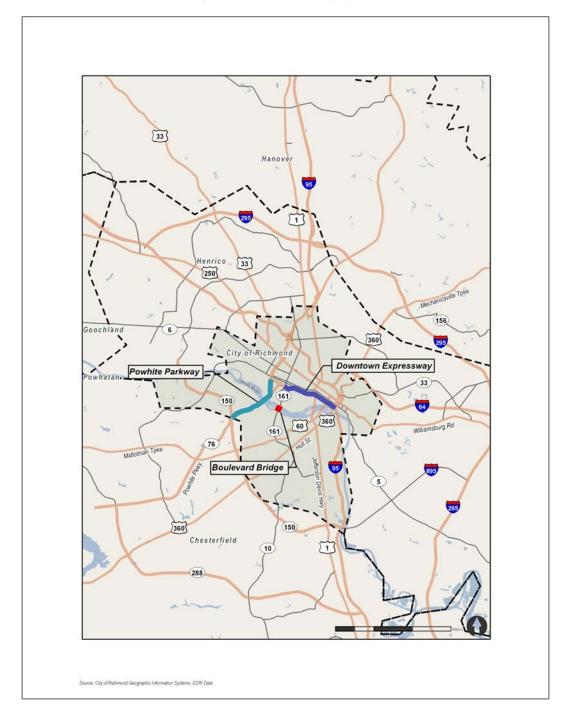
The **Powhite Parkway** was opened to traffic on January 24, 1973. The limited access expressway extends 3.4 miles from Chippenham Parkway to the Cary Street ramps. The major function of the Powhite Parkway is as a crossing of the James River. There are currently three toll plazas on the Powhite Parkway, including the mainline plaza near the southern terminus, the Forest Hill ramp plaza and the Douglasdale Road ramp plaza that serve traffic to and from the north.

The **Downtown Expressway** opened to traffic in 1976, and was fully completed in 1977 with the connections to southbound I-95. The Downtown Expressway extends 2.5 miles from the Meadow Street Ramp in the west to I-95 in the east. The continuation of the Downtown Expressway to the west of Meadow Street is maintained by VDOT and offers a connection to I-195 to the north and the Powhite Parkway to the south. The Downtown Expressway has three toll plazas including the mainline plaza and two ramp plazas at 2nd and 11th streets.

The **Boulevard Bridge** was the first acquisition for the RMTA, having been purchased in November 1969. The steel truss bridge was built in 1925 to improve connectivity of the Westover Hills neighborhood south of the river to areas north of the river. With the opening of the Powhite Parkway, the Boulevard Bridge essentially serves the same role, as a neighborhood bridge for those with origins and/or destinations in close proximity to the bridge itself.



Figure 2: RMTA Expressway System





#### 3. RMTA Toll Rates

In order to build and maintain the RMTA Expressway System, the RMTA historically has issued toll revenue bonds that are backed by the future earnings potential of the Expressway System through collection of toll revenue. The current toll schedule is shown in Table 3.

Table 3: RMTA Expressway Current Toll Schedule

	Vehicle Class			
Facility	Two Axle	Three Axle	Four Axle	Five Axle
Powhite Parkway				
Mainline Plaza	\$0.70	\$0.80	\$0.90	\$1.00
Forest Hill Avenue	\$0.70	\$0.80	\$0.90	\$1.00
Douglasdale Road	\$0.20	\$0.40	\$0.40	\$0.40
Downtown Expressway				
Mainline Plaza	\$0.70	\$0.80	\$0.90	\$1.00
Second Street	\$0.35	\$0.70	\$0.70	\$0.70
Eleventh Street	\$0.30	\$0.60	\$0.60	\$0.60
Boulevard Bridge	\$0.35	\$0.70	N/A	N/A

The current RMTA Expressway toll schedule went into effect September 8, 2008. The previous toll schedule, which was in place for approximately 10 years, charged a \$0.50 toll for passenger cars (2-axle) at the mainline plazas of the Powhite Parkway and the Downtown Expressway and \$0.25 for the Boulevard Bridge. A previously planned toll increase in 2018 has been removed from the current plan based on recent traffic growth.

The toll rates for vehicles with more than two axles are also shown. Both of the mainline plazas and the Forest Hills ramp plaza share the characteristic of rising toll rates directly related to the number of axles the vehicle has, with a ten cent per axle surcharge above the two-axle rate. For the smaller ramp plazas of Douglasdale Road, Second Street and Eleventh Street, vehicles with more than two axles pay standard rates specific to each plaza. Vehicles with more than three axles are not allowed to access the Boulevard Bridge; therefore, no toll schedule is available for these vehicle classes.

The RMTA has increased tolls throughout the history of the Authority to fund operations, maintenance, and capital needs of their facilities while continuing to meet the demands of the growing traffic base in Richmond. The first toll increase was on July 20, 1978, which raised the two-axle toll at the Powhite Parkway Mainline from



\$0.20 to \$0.25 and at the Downtown Expressway Mainline from \$0.15 to \$0.25. Over eight years later, the next toll increase occurred on November 1, 1986, raising mainline tolls from \$0.25 to \$0.30. A further adjustment was made on April 2, 1988 raising the two-axle toll from \$0.30 to \$0.35 at the mainline plazas, while the Boulevard Bridge saw its first toll increase from \$0.10 to \$0.20 for the same class of vehicle. Almost ten years later, January 5, 1998 the two-axle rate at the mainline plazas increased from \$0.35 to \$0.50 and the Boulevard Bridge from \$0.20 to \$0.25. On July 1, 1999 the RMTA System offered toll payment through the E-ZPass program (SmartTag at the time of implementation) which allowed motorists to pay tolls electronically. The electronic payment of tolls was \$0.45 offering a 10 percent discount to cash payment for two-axle vehicles. All other vehicle classes paid the same rate regardless of payment option. Again, the toll increase effective September 8, 2008 was the most recent adjustment providing the toll schedule shown in Table 3, removing the difference between cash and electronic payments.

It is common for toll authorities to increase tolls to keep pace with inflation to cover operating expenses, roadway and toll plaza maintenance and other such expenses that increase over time. Figure 3 provides a look at the inflation adjusted toll rates based upon the opening toll rates for the respective facilities. The inflation rate was derived from the growth in the Consumer Price Index for the region over the same time period. As shown in the Figure, inflation-adjusted toll rates are much higher than the current mainline toll rates at both the Powhite Parkway and Downtown Expressway and the bridge toll at the Boulevard Bridge. It should be noted that in July 1978 the mainline toll for the Powhite Parkway and Downtown Expressway were increased to the same level and since have shared the same toll rate and this is the basis for the analysis. Based on the inflation-adjusted rates, the opening year toll rate (1978 toll rate) would be approximately 35 percent more (\$0.95) than the current rate for the Powhite Parkway and Downtown Expressway and 89 percent more (\$0.66) for the Boulevard Bridge. This means that in real terms, the tolls are much lower than they were in the past and in each successive year continue to retreat.

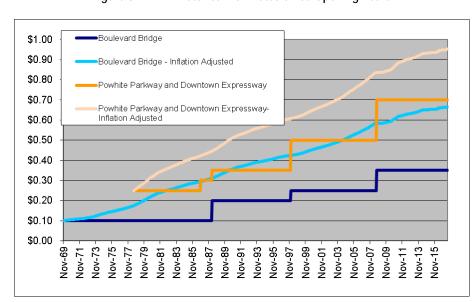


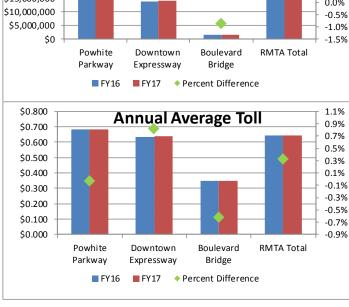
Figure 3: RMTA Historical Toll Rates since Opening Years



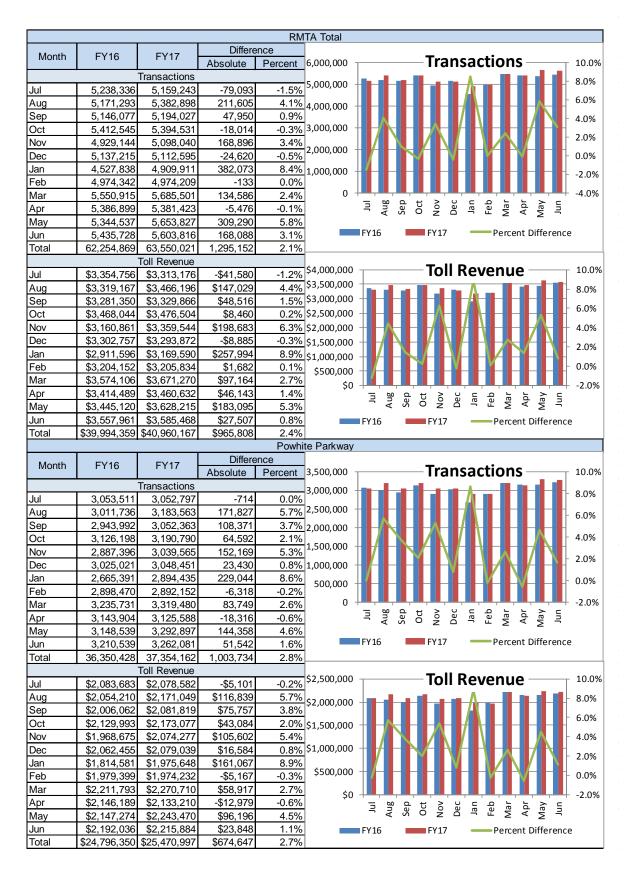
#### 4. FY16 to FY17 Growth

- Overall traffic and revenue grew from FY16 to FY17, at 2.1 and 2.4 percent, respectively.
- The Powhite Parkway grew the most in absolute and percent terms at 2.8 percent.
- Downtown Expressway experienced steady growth at over 1.4 percent.
- The Boulevard Bridge remained relatively flat losing 0.2 percent.
- Average Toll is relatively stable
- Monthly data follows:
  - Modest growth throughout FY17
  - Varied monthly growths mostly as a function of days of the week in the month

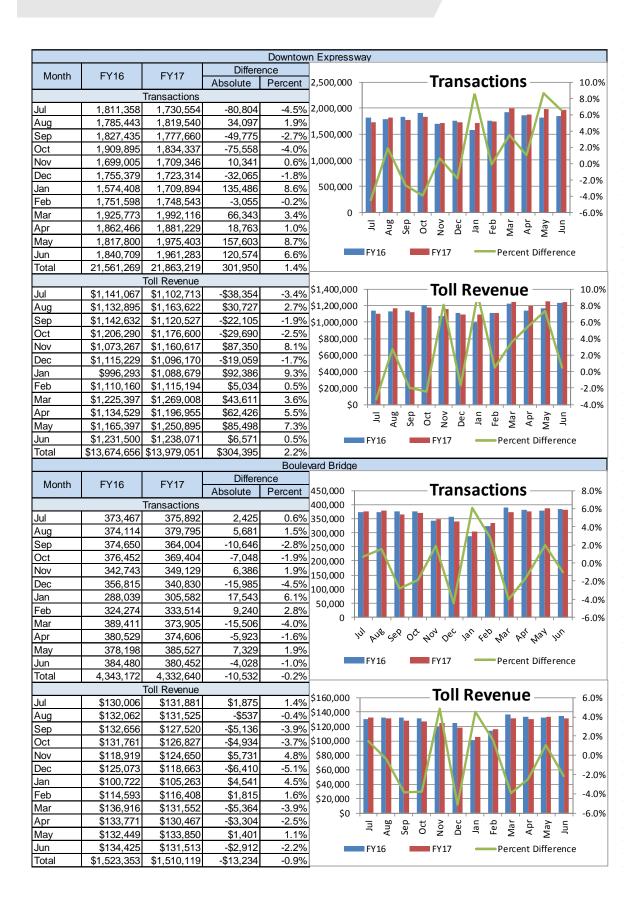
		FY16 to	FY17	5."	
Faci	lity	FY16	FY17	Differe Absolute	Percent
		Transac	tions	Absolute	Percent
Powhite Park	wav	36,350,428	37,354,162	1,003,734	2.8%
Downtown Ex		21,561,269	21,863,219	301,950	1.4%
Boulevard Bri		4,343,172	4,332,640	-10,532	-0.2%
RMTA Total		62,254,869	63,550,021	1,295,152	2.1%
		Toll Rev	enue		
Powhite Park		\$24,796,350	\$25,470,997	\$674,647	2.7%
Downtown Ex		\$13,674,656	\$13,979,051	\$304,395	2.2%
Boulevard Bri	idge	\$1,523,353	\$1,510,119	-\$13,234	-0.9%
RMTA Total		\$39,994,359	\$40,960,167	\$965,808	2.4%
Powhite Park	(MOV	Average \$0.682	\$0.682	-\$0.0003	0.0%
Downtown Ex		\$0.634	\$0.639	\$0.0052	0.0%
Boulevard Bri		\$0.351	\$0.349	-\$0.0022	-0.6%
RMTA Total	.ugo	\$0.642	\$0.645	\$0.0021	0.3%
70,000,000			,	,	3.5%
	Α	nnual Trai	nsactions		3.0%
60,000,000 -	•				
50,000,000 -					2.5%
40,000,000 -					2.0%
30,000,000 -		<u> </u>			1.5%
					1.0%
20,000,000 -					- 0.5%
10,000,000 -					0.0%
0 -					-0.5%
	Powhite	Downtown	Boulevard	RMTA Tota	al
	Parkway	Expressway	Bridge		
	■ FY	16 ■ FY17 ◆	Percent Differen	ce	
\$45,000,000					3.5%
\$40,000,000		<b>Annual To</b>	oll Reven	ue	3.0%
\$35,000,000	-				2.5%
\$30,000,000					2.0%
\$25,000,000					1.5%
\$20,000,000					1.0%
\$15,000,000					0.5%
\$10,000,000					-0.5%
\$5,000,000	0.5				
\$0					-1.5%
	Powhite	Downtown	Boulevard	RMTA Total	al
	Parkway	Expressway	Bridge		
	■ FY	16 ■ FY17 ◆	Percent Differen	ce	









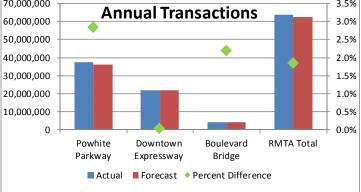


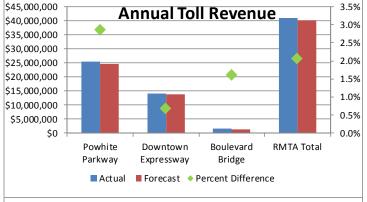


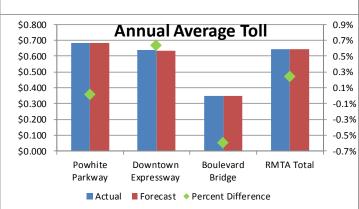
#### 5. FY17 Actual vs. Forecast

- The overall forecast was exceeded due to growth across all assets.
- Average toll was in line with forecast.

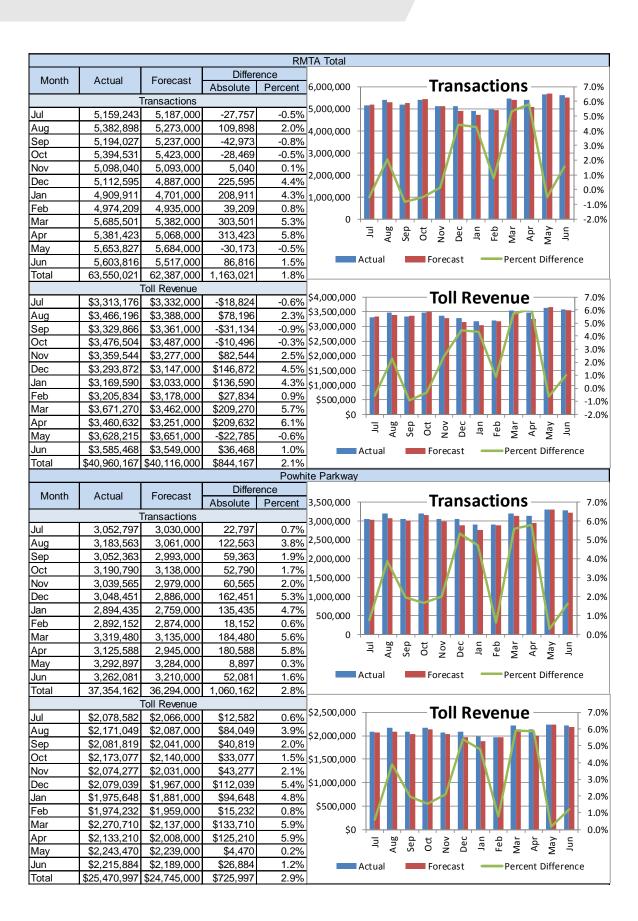
Actual versus Forecast						
F994.			Difference			
Facility	Actual	Forecast	Absolute	Percent		
Transactions						
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Downtown Expressway	21,863,219	21,855,000	8,219	0.0%		
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	Toll Rev	<i>l</i> enue				
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RMTA Total	\$40,960,167	\$40,116,000	\$844,167	2.1%		
	Average	e Toll				
Powhite Parkway	\$0.682	\$0.682	\$0.0001	0.0%		
Downtown Expressway	\$0.639	\$0.635	\$0.0041	0.6%		
Boulevard Bridge	\$0.349	\$0.351	-\$0.0021	-0.6%		
RMTA Total	\$0.645	\$0.643	\$0.0015	0.2%		
70,000,000 3.5%						
Annual Transactions —						
60,000,000	60,000,000					
F0 000 000				2.50/		



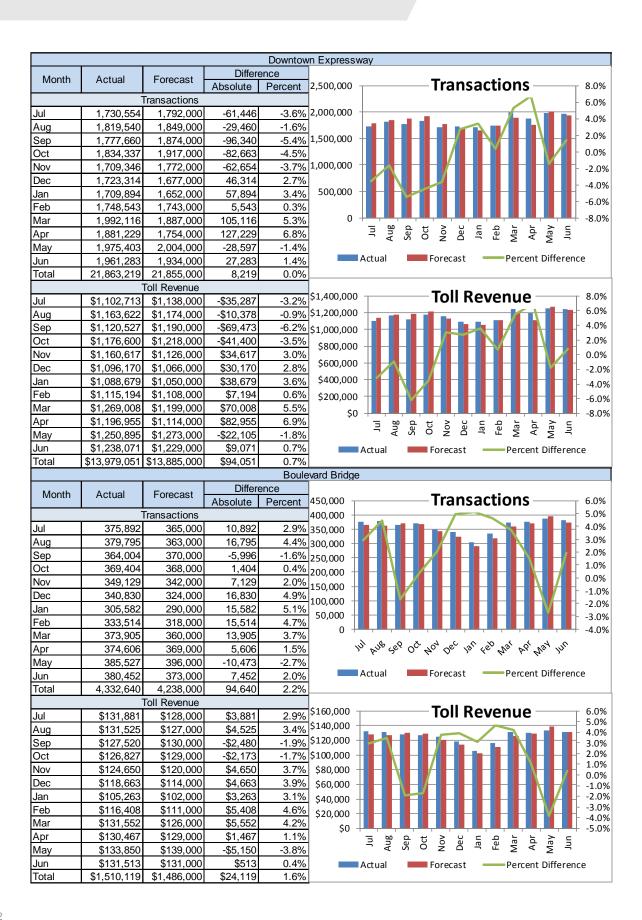














## 6. Hourly Traffic Profiles

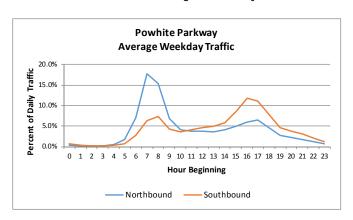
Similar to daily traffic trends, the review of hourly traffic trends by facility provides a comprehensive understanding of the traffic on the RMTA Expressway System. Figure 4 presents the hourly traffic by facility for a typical weekday and weekend day. Each day is presented with respect to the day and the direction of travel, such that the percentage shown by direction will add up to 100 percent.

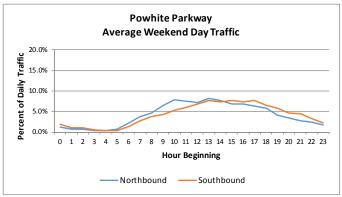
The Powhite Parkway and the Downtown Expressway show peaking characteristics by both direction and time period. Peak hour factors typically range from 8 to 12 percent of daily traffic in the peak hour. This is far exceeded for the Powhite Parkway and Downtown Expressway with the peak hours achieving up to 13 and 17 percent of daily demand, respectively. The Boulevard Bridge reaches 12 percent, the high end of this typical range. The RMTA facilities reach these peak hour ranges at 8 am in the morning, and again at 5 pm in the evening (typical commuter "rush hour"). These hourly trends have been static for a number of years. The fact that the peak hour is more pronounced on the RMTA Expressway System points to the unique nature of these facilities and the need to use specific RMTA Expressway data when conducting analysis for the System and not general traffic factors. These factors influence toll plaza sizing, ramp operations and a myriad of other items unique to the RMTA Expressway System. To address peak-hour congestion on its roadways, the RMTA has implemented open road tolling (ORT), an electronic toll collection system, on both the Powhite Parkway and Downtown Expressway. The Powhite Parkway was the first of RMTA's facilities to use ORT, opening northbound and southbound ORT lanes in fall of 2008. Westbound ORT lanes were opened to traffic on the Downtown Expressway in fall 2012. The eastbound toll plaza did not implement ORT lanes due to the congestion and potential safety issues downstream at the exiting ramps and the downtown roadway network that may occur during the AM peak period. With the implementation of ORT both roadways experienced a reduction in peak hour congestion. Additionally, improvements have been made to existing collection equipment in an effort to modernize technologies and decrease congestion during peak hours.

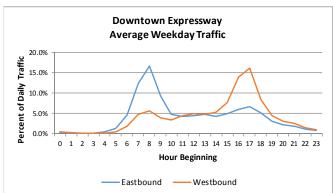
The weekend traffic is very typical of commuter routes with light traffic in the mornings and steady traffic from later morning to early evening. These lower peak percentages combined with lower overall traffic on weekend indicate that the typical weekend is congestion-free as is the known experience on the RMTA system.

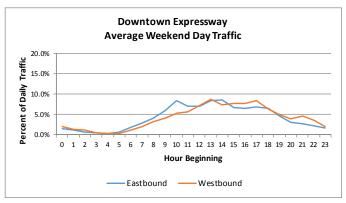


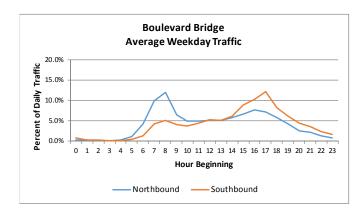
Figure 4: Hourly Traffic Trends on the RMTA Expressway System

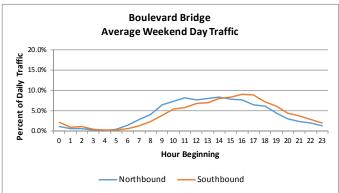








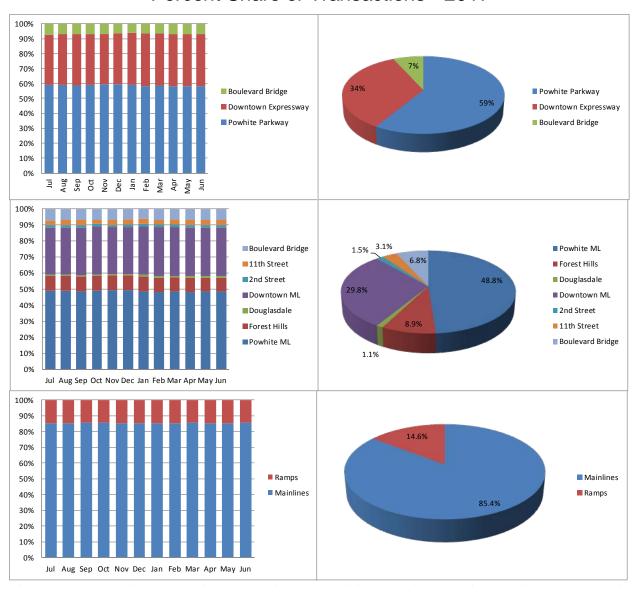






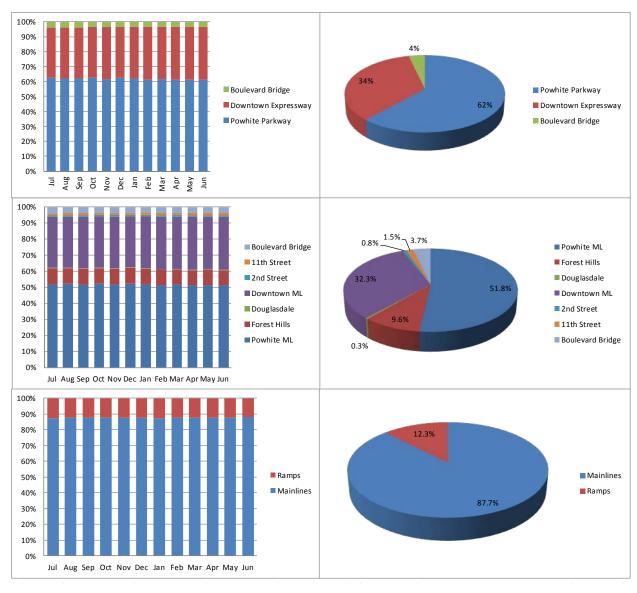
# 7. FY17 Percent Share of Traffic and Revenue by Facility

#### Percent Share of Transactions - 2017





## Percent Share of Toll Revenue - FY2017

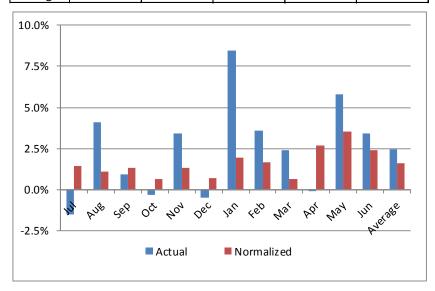




#### 8. Normalized Traffic Growth

- Normalization of traffic growth rates takes into account the following:
  - Days of the week in the month
  - Timing of holidays
  - o Weather events
  - Special events
- The most significant difference between actual growth and normalized growth for overall growth rates is
  accounting for the days of the week in the month year over year. This is demonstrated with the
  comparison of the average growth rates for normalized and actual (rightmost bars in the graph), which
  are very close.
- Even with the attempted normalization, growth rates have a wide range, which illustrates the difficulty of normalizing on small scales and the importance of the reliance of longer term trends.
- Normalized growth ranged from 0.6% to 3.5% with an average 1.6%.

	FY16 to F	FY16 to FY17 Actual and Estimated Normalized Growth				
	Actual	Normalized				
Month	Overall	Overall	Weekday	Saturday	Sunday	
Jul	-1.5%	1.4%	1.5%	0.2%	1.6%	
Aug	4.1%	1.1%	1.9%	-2.6%	-2.2%	
Sep	0.9%	1.3%	1.4%	4.6%	-3.1%	
Oct	-0.3%	0.7%	1.1%	-1.3%	-1.5%	
Nov	3.4%	1.3%	1.7%	-2.8%	3.1%	
Dec	-0.5%	0.7%	1.4%	-2.2%	-2.0%	
Jan	8.4%	1.9%	2.1%	3.6%	-1.8%	
Feb	3.6%	1.6%	1.3%	1.7%	4.7%	
Mar	2.4%	0.6%	0.4%	1.4%	2.0%	
Apr	-0.1%	2.7%	2.7%	3.7%	1.7%	
May	5.8%	3.5%	2.9%	5.3%	8.1%	
Jun	3.4%	2.4%	2.3%	1.8%	4.4%	
Average	2.5%	1.6%	1.7%	1.1%	1.3%	





#### 9. Distributions of Traffic Growths

This section presents the distribution of the daily traffic growth rates by facility and day of week comparing the same day from FY16 to FY17. Because weekday and weekend traffic is so different on the RMTA system, comparisons are not made between Sunday, June 5, 2016 and Monday, June 5, 2017 but between the like days of Monday, June 6, 2016 and Monday, June 5, 2017.

The red lines represent the number of occurrences of a particular growth rate during the year, which provides a distribution of growth rates. On the larger scale of the full RMTA system for all days, we see an almost normal distribution emerge.

The blue lines represent the cumulative percentage share at each growth rate so that at any growth rate it can be determined the percent of daily growth rates above and below. As the distribution spreads or gets more erratic, this line flattens.

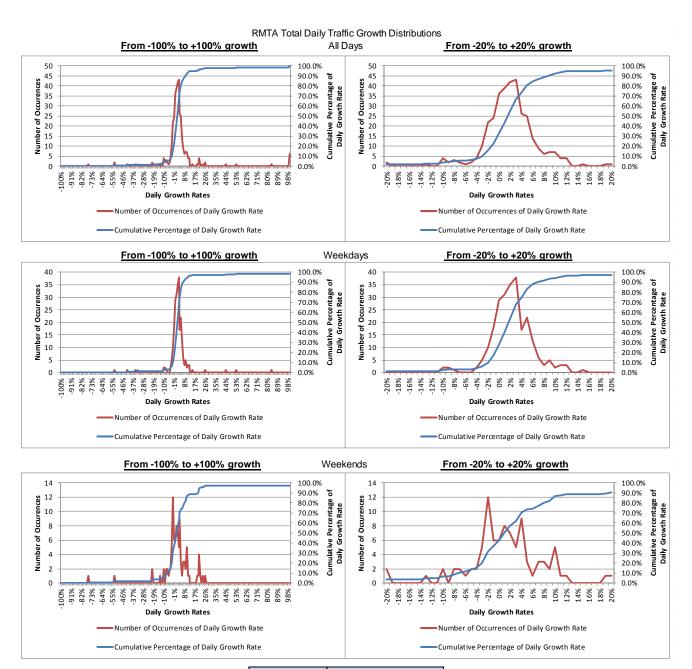
An analysis of all days, weekdays and weekend days is provided for all facilities combined (RMTA Total) and the three facilities individually. Two different scales are presented to be able to detail the middle range of growth rates, ranging from -20% to +20% on the right-hand side graphs. Additionally, the actual, the mean and the median growth rate are provided by facility for all days, weekdays, weekend days.

This analysis aids in the determination of normalized traffic growths which feed into the forecasting process.

#### Key takeaways:

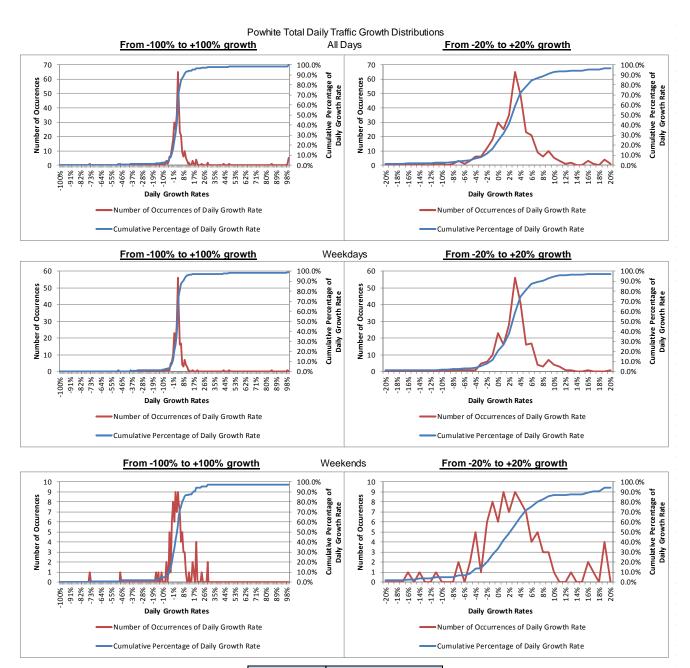
- Weekend traffic has a wider distribution of growth rates than weekday traffic as a function of low traffic levels and various special events that occur;
- Weekday traffic on the Powhite Parkway has the narrowest distribution of growth rates; and
- The Boulevard Bridge has the widest distributions.





Days of the Week	Daily Growth Rates			
Days of the Week	Actual	Mean	Median	
All Days	2.4%	7.1%	1.6%	
Weekdays	2.5%	4.1%	1.8%	
Weekend Days	2.1%	14.6%	0.8%	

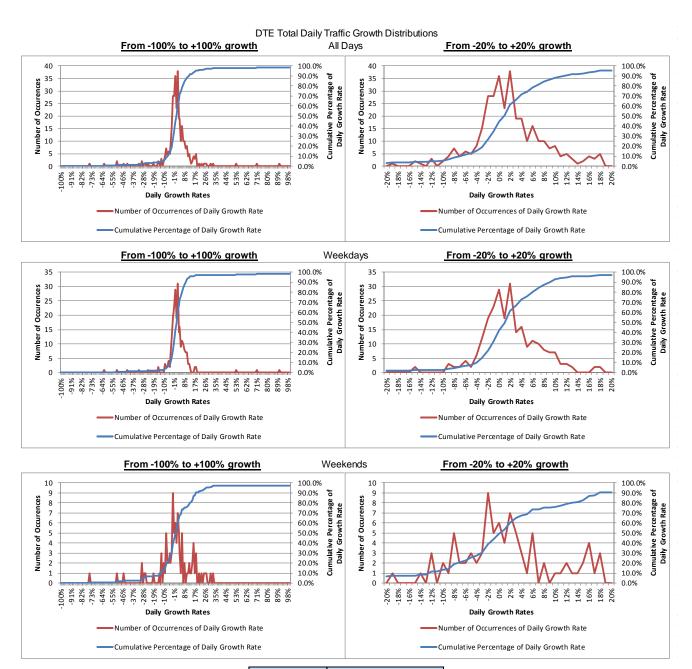




Days of the Week	Daily Growth Rates			
Days of the Week	Actual	Mean	Median	
All Days	3.1%	7.4%	2.5%	
Weekdays	3.1%	4.4%	2.6%	
Weekend Days	3.0%	14.7%	2.2%	

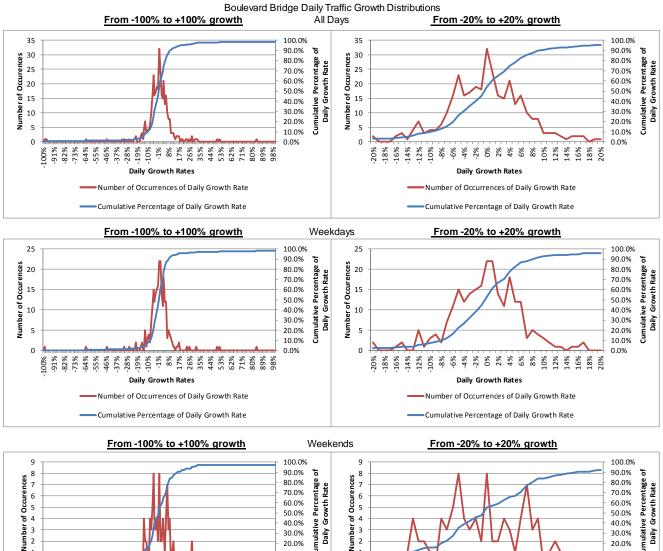
#### **Richmond Metropolitan Transportation Authority**





Days of the Week	Daily Growth Rates			
Days of the Week	Actual	Mean	Median	
All Days	1.7%	6.2%	1.0%	
Weekdays	1.9%	3.9%	1.0%	
Weekend Days	1.0%	12.0%	0.1%	





- 50 - 44 - 30 - 20 - 10	Cumulative Per 60.0 60.0 70.0 70.0 70.0 70.0	5 2 4 40.0%	Cumulative Per Daily Growt	
Daily Growth Rates		Daily Growth Rates		
Number of Occurrences of Daily Growth Rate		Number of Occurrences of Daily Growth Rate		
Cumulative Percentage of Daily Growth Rate		Cumulative Percentage of Daily Growth Rate		
Days of the W	Veek Ac	Daily Growth Rates		

Days of the Week	Daily Growth Rates			
Days of the Week	Actual	Mean*	Median	
All Days	0.0%	1.4%	-0.6%	
Weekdays	0.2%	2.7%	-0.6%	
Weekend Days	-0.5%	-1.9%	-0.8%	

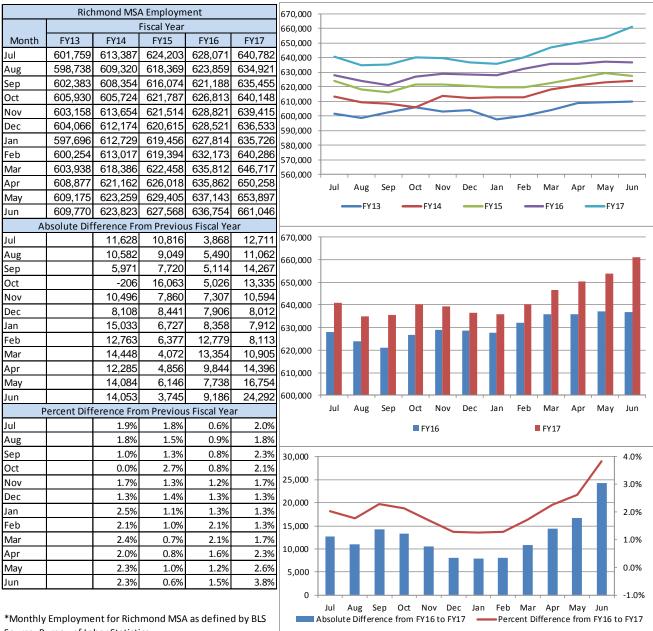
<sup>\*</sup> Outliers as a result of weather closures in January 2016 were removed to achieve more realistic averages.

100% -91% -82% -64% -65% -55% -10% -10% -11% 8% 35%



#### 10. **Employment Trends**

- Employment in the Richmond Metropolitan Area has grown consistently for the last 4 years
- Average and median growth from FY13 to FY16 were consistent at 1.4 percent each
- Average and median growth for FY17 was 2.0 and 1.9 percent, respectively, showing stronger growth than the recent past



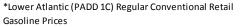
Source: Bureau of Labor Statistics



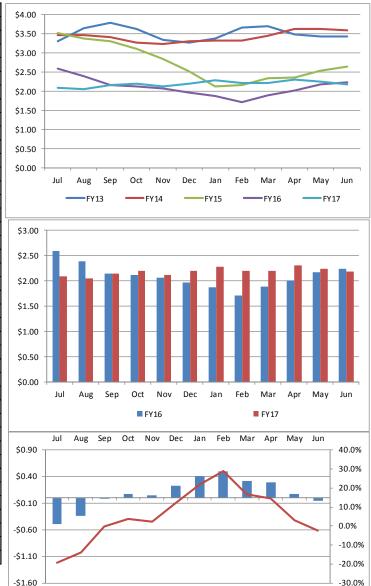
### 11. Gas Price Trends

- FY17 began with a continuation of FY16's strong price declines
- Prices have been rising since the low of \$2.05 in August 2016
- It is possible that the continued lower gas prices in FY17 (relative to the past several years) contributed to the growth rates on the RMTA system. There is an inverse relationship between gas prices and travel; as gas prices decrease, trip frequency and length typically increases. It is estimated that gas price changes must be substantial and quick, not gradual, to have the most impact. Also, major thresholds of whole dollar amounts may cause change in behavior as they are newsworthy events and noticeable to the public.

noticeable to the public.										
	Regu	ılar Gas Pri	ice Per Gal	lon*						
			Fiscal Year							
Month	FY13	FY14	FY15	FY16	FY17					
Jul	\$3.30	\$3.47	\$3.51	\$2.59	\$2.10					
Aug	\$3.63	\$3.47	\$3.36	\$2.39	\$2.05					
Sep	\$3.78	\$3.41	\$3.30	\$2.15	\$2.15					
Oct	\$3.63	\$3.27	\$3.11	\$2.12	\$2.20					
Nov	\$3.33	\$3.23	\$2.83	\$2.07	\$2.12					
Dec	\$3.27	\$3.30	\$2.52	\$1.97	\$2.20					
Jan	\$3.37	\$3.31	\$2.12	\$1.87	\$2.28					
Feb	\$3.65	\$3.31	\$2.15	\$1.71	\$2.21					
Mar	\$3.68	\$3.44	\$2.33	\$1.89	\$2.20					
Apr	\$3.48	\$3.62	\$2.36	\$2.02	\$2.31					
May	\$3.42	\$3.63	\$2.54	\$2.18	\$2.25					
Jun	\$3.43	\$3.58	\$2.65	\$2.24	\$2.18					
Α	bsolute Dif	ference Fr	om Previo	us Fiscal Ye	ar					
Jul		\$0.17	\$0.04	-\$0.92	-\$0.50					
Aug		-\$0.16	-\$0.10	-\$0.98	-\$0.34					
Sep		-\$0.37	-\$0.11	-\$1.15	\$0.00					
Oct		-\$0.36	-\$0.16	-\$0.99	\$0.08					
Nov		-\$0.09	-\$0.40	-\$0.76	\$0.05					
Dec		\$0.03	-\$0.78	-\$0.55	\$0.23					
Jan		-\$0.05	-\$1.20	-\$0.24	\$0.41					
Feb		-\$0.34	-\$1.16	-\$0.44	\$0.50					
Mar		-\$0.24	-\$1.11	-\$0.44	\$0.32					
Apr		\$0.14	-\$1.26	-\$0.34	\$0.29					
May		\$0.21	-\$1.09	-\$0.36	\$0.07					
Jun		\$0.15	-\$0.93	-\$0.41	-\$0.05					
P	ercent Diff	erence Fro	m Previou	s Fiscal Yea	ar					
Jul		5.0%	1.2%	-26.1%	-19.2%					
Aug		-4.5%	-2.9%	-29.1%	-14.1%					
Sep		-9.7%	-3.2%	-34.9%	-0.1%					
Oct		-9.9%	-4.8%	-31.8%	3.8%					
Nov		-2.9%	-12.4%	-27.0%	2.3%					
Dec		0.8%	-23.6%	-21.9%	11.8%					
Jan		-1.5%	-36.2%	-11.5%	21.7%					
Feb		-9.2%	-35.1%	-20.5%	29.0%					
Mar		-6.6%	-32.3%	-18.9%	16.8%					
Apr		4.0%	-34.9%	-14.5%	14.4%					
May		6.0%	-30.0%	-14.2%	3.1%					
Jun		4.3%	-26.0%	-15.6%	-2.4%					



Source: US Energy Information Adminsitration



Percent Difference from FY16 to FY17

Absolute Difference from FY16 to FY17

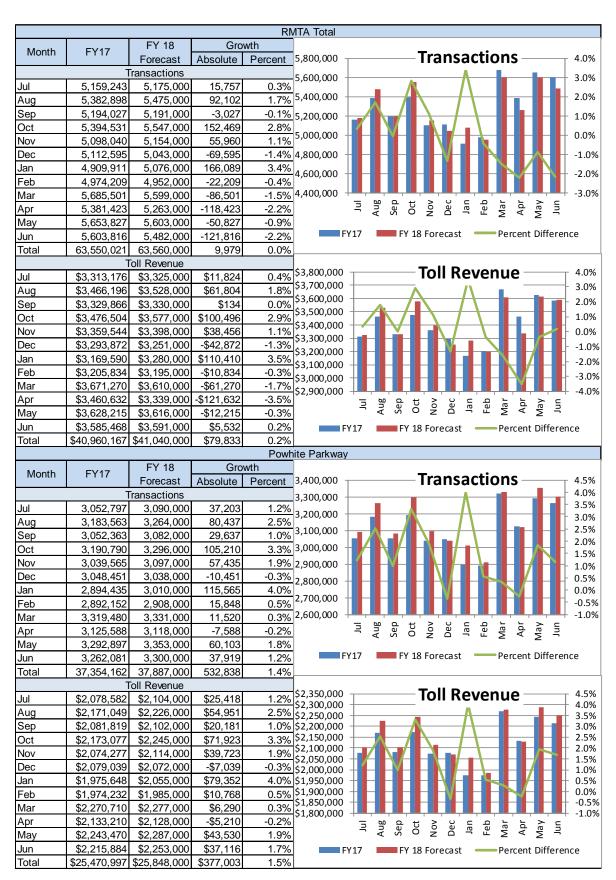


# 12. FY17 Actual to FY18 Forecast

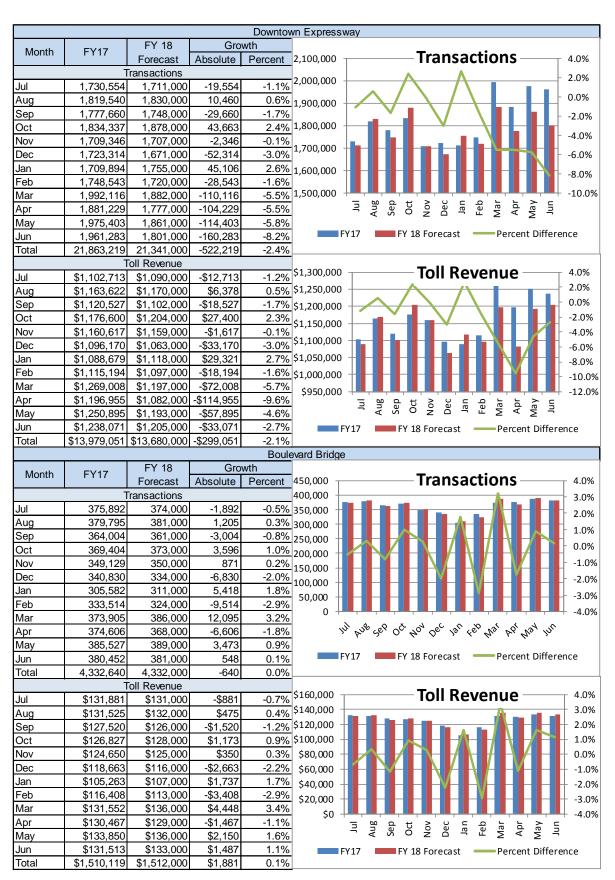
- The strong growth of T&R throughout FY16 caused the FY17 actual results to come very near the FY18 forecast.
- The average toll is expected to remain stable.
- The FY18 forecast is conservative and should easily be met.

		FY 17 to FY1	8 Forecast		
	174			Differ	ence
Faci	lity	FY17	FY18 Forecast	Absolute	Percent
		Transac	tions		
Powhite Park	(way	37,354,162	37,887,000	532,838	1.4%
Downtown Ex		21,863,219	21,341,000	-522,219	-2.4%
Boulevard Br	idge	4,332,640	4,332,000	-640	0.0%
RMTA Total		63,550,021	63,560,000	9,979	0.0%
		Toll Rev	enue		
Powhite Park		\$25,470,997	\$25,848,000	\$377,003	1.5%
Downtown Ex		\$13,979,051	\$13,680,000	-\$299,051	-2.1%
Boulevard Br	idge	\$1,510,119	\$1,512,000	\$1,881	0.1%
RMTA Total		\$40,960,167	\$41,040,000	\$79,833	0.2%
Davidska Davi		Average		<b>#0.0004</b>	0.40/
Powhite Park		\$0.682 \$0.639	\$0.682 \$0.641	\$0.0004 \$0.0016	0.1% 0.3%
Downtown Ex Boulevard Bri		\$0.839	\$0.841	\$0.0016	0.3%
RMTA Total	luge	\$0.549	\$0.646	\$0.0003	0.1%
		ψυ.υ45	ψυ.υ40	ψυ.υυ1Ζ	
70,000,000 -	. Λι	anual Tra	nsactions		2.0%
60,000,000 -	AI	muai IIa	iisactiUIIS		1.5%
50,000,000 -					- 1.0%
			•		- 0.0%
40,000,000 -			*		0.5%
30,000,000 -					-1.0%
20,000,000 -					-1.5%
10,000,000 -					2.0%
, ,					2.5%
0 -					-3.0%
	Powhite	Downtown	Boulevard	RMTA Tot	al
	Parkway ■ FY17	Expressway	Bridge ■ FY18 Forecast		
	- 111/				
	◆ Perce	ent Difference	F110 FUIECast		
\$45.000.000					2.0%
\$45,000,000			oll Reven	ue	2.0%
\$40,000,000				ue	1.5%
\$40,000,000 \$35,000,000				ue	1.5%
\$40,000,000 \$35,000,000 \$30,000,000				ue	1.5% 1.0% 0.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000				ue	1.5% 1.0% 0.5% 0.0%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000				ue	1.5% 1.0% 0.5% 0.0% 0.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000				ue	1.5% 1.0% 0.5% 0.0% -0.5% -1.0%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000				ue	1.5% 1.0% 0.5% 0.0% 0.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000				ue	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000		Annual To	oll Reven		1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000		Annual To	oll Reven	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000	Powhite	Annual To	oll Reven		1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000	Powhite Parkway	Annual To	Boulevard Bridge		1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.700	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$5,000,000 \$5,000,000 \$0.800 \$0.700	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.700 \$0.600	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$5,000,000 \$5,000,000 \$0.800 - \$0.600 - \$0.500 - \$0.400 -	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.700 \$0.600 \$0.500 \$0.400 \$0.300	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.800 \$0.800 \$0.400 \$0.300 \$0.200	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.700 \$0.600 \$0.500 \$0.300 \$0.200 \$0.100	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -2.0% -2.5% al  0.3% -0.2% -0.2% -0.1% -0.1%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$20,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.800 \$0.800 \$0.400 \$0.300 \$0.200	Powhite Parkway FY17 Perce	Downtown Expressway	Boulevard Bridge FY18 Forecast	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al  0.3% -0.2% -0.2% -0.1% -0.1% -0.0%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.700 \$0.600 \$0.500 \$0.300 \$0.200 \$0.100	Powhite Parkway FY17 Perce	Downtown Expressway ent Difference	Boulevard Bridge FY18 Forecast  Verage To	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al  0.3% -0.2% -0.2% -0.1% -0.1% -0.0%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.700 \$0.600 \$0.500 \$0.300 \$0.200 \$0.100	Powhite Parkway  Powhite Parkway	Downtown Expressway  Downtown Expressway	Boulevard Bridge FY18 Forecast	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al  0.3% -0.2% -0.2% -0.1% -0.1% -0.0%
\$40,000,000 \$35,000,000 \$30,000,000 \$25,000,000 \$15,000,000 \$10,000,000 \$5,000,000 \$0.800 \$0.700 \$0.600 \$0.500 \$0.300 \$0.200 \$0.100	Powhite Parkway  Powhite Parkway  Powhite Parkway  FY17	Downtown Expressway  Downtown Expressway	Boulevard Bridge FY18 Forecast  Verage To	RMTA Tot	1.5% 1.0% 0.5% 0.0% -0.5% -1.0% -1.5% -2.0% -2.5% al  0.3% -0.2% -0.2% -0.1% -0.1% -0.0%











# 13. T&R Trends by Facility

#### 13.1 T&R Growth Trends for All Facilities

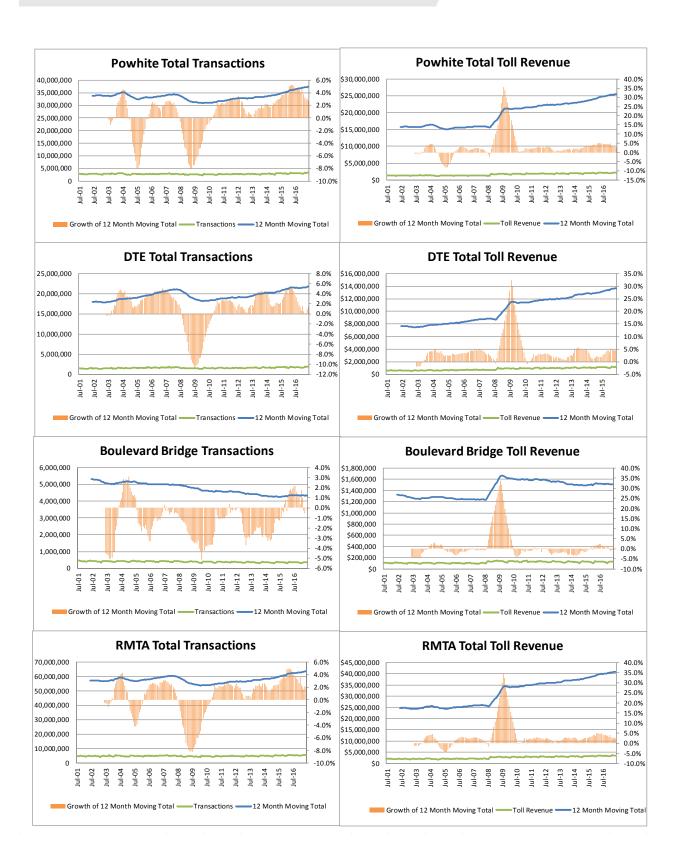
In this section the long term and short term historical transactions and toll revenue by facility are provided. On the graphs on the following pages, the 12 month moving total is charted for each facility as well as the annualized percent change of that moving total. These two items allow for the review of growth by facility.

All facilities demonstrated a loss in transactions in 2008-2010 due to two major factors, the Great Recession and the toll increase in September 2008. During this time toll revenue increased in spite of the loss in traffic, because the increase in toll rates outweighed the loss in traffic.

The Powhite Parkway had a decrease in traffic and toll revenue around 2004/2005 due to the opening of SH 288, which offers a limited access highway to parts west of the City of Richmond.

Over the last few years, as shown on the latter figures, the Powhite Parkway and Downtown Expressway have maintained steady growth of between 2 and 5 percent. The Boulevard Bridge halted a negative trend in FY16 with 2 percent growth; it showed 0 percent growth in FY17.



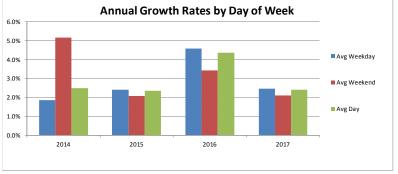




#### 13.2 RMTA Total T&R Trends

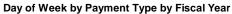
	RMTA T	otal: Transacti	one by Paym	ent Type by	Day of Week	for FV2013 t	to FY2017		
2013	Cash	ETC *	Non-Rev	Violations	ISF	Total	10112017		
Mon	54,082	102,948	1,038	4,500	173	162,741			
Tue	56,859	112,153	1,036	4,715	185	175,189			
Wed	58,248	112,133	1,230	4,807	200	177,453	l		
Thu	60,141	115,506	1,243	4,962	208	182,060	l		
Fri	64,662	111,334	1,160	5,200	212	182,567			
Sat	52,132	58,099	572	3,834	133	114,771	ł		
Sun	41,309	47,233	474	3,044	100	92,160			
Avg Weekday	58,799	110,982	1,190	4,837	196	176,002			
Avg Weekday  Avg Weekend	46,720	52,666	523	3,439	117	103,465			
			999				0		F)/
Avg Day	55,348	94,320		4,437	173	155,277		from previo	
2014	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	54,656	108,228	1,341	4,289	164	168,678	1.1%	5.1%	3.6%
Tue	56,829	117,168	1,483	4,692	182	180,354	-0.1%	4.5%	2.9%
Wed	56,826	115,543	1,471	4,699	190	178,730	-2.4%	2.3%	0.7%
Thu	58,551	116,280	1,507	4,717	199	181,253	-2.6%	0.7%	-0.4%
Fri	65,100	115,431	1,454	5,114	206	187,305	0.7%	3.7%	2.6%
Sat	53,887	62,136	726	3,967	143	120,859	3.4%	6.9%	5.3%
Sun	42,484	50,427	624	3,091	107	96,733	2.8%	6.8%	5.0%
Avg Weekday	58,392	114,530	1,451	4,702	188	179,264	-0.7%	3.2%	1.9%
Avg Weekend	48,186	56,281	675	3,529	125	108,796	3.1%	6.9%	5.2%
Avg Day	55,476	97,887	1,229	4,367	170	159,130	0.2%	3.8%	2.5%
2015	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	53,691	115,997	1,301	4,265	195	175,449	-1.8%	7.2%	4.0%
Tue	55,232	123,150	1,459	4,405	214	184,460	-2.8%	5.1%	2.3%
Wed	56,126	124,037	1,604	4,400	223	186,390	-1.2%	7.4%	4.3%
Thu	55,911	120,840	1,479	4,504	226	182,960	-4.5%	3.9%	0.9%
Fri	62,157	119,889	1,413	4,953	233	188,645	-4.5%	3.9%	0.7%
Sat	51,653	66,355	716	3,983	160	122,867	-4.1%	6.8%	1.7%
Sun	41,117	54,309	610	3,088	123	99,248	-3.2%	7.7%	2.6%
Avg Weekday	56,623	120,782	1,451	4,505	219	183,581	-3.0%	5.5%	2.4%
Avg Weekend	46,385	60,332	663	3,536	141	111,058	-3.7%	7.2%	2.1%
Avg Day	53,698	103,511	1,226	4,228	196	162,860	-3.2%	5.7%	2.3%
2016	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	52,290	120,038	1,343	4,570	185	178,426	-2.6%	3.5%	1.7%
Tue	55,559	132,714	1,497	4,864	206	194,840	0.6%	7.8%	5.6%
Wed	56,371	133,102	1,525	4,865	213	196,076	0.4%	7.3%	5.2%
Thu	57,689	132,821	1,498	5,020	222	197,248	3.2%	9.9%	7.8%
Fri	61,097	125,313	1,377	5,305	230	193,322	-1.7%	4.5%	2.5%
Sat	50,848	70,757	731	4,332	164	126,833	-1.6%	6.6%	3.2%
Sun	40,285	58,462	645	3,387	120	102,899	-2.0%	7.6%	3.7%
Avg Weekday	56,601	128,797	1,448	4,925	211	191,983	0.0%	6.6%	4.6%
Avg Weekend	45,567	64,609	688	3,860	142	114,866	-1.8%	7.1%	3.4%
Avg Day	53,449	110,458	1,231	4,621	191	169,949	-0.5%	6.7%	4.4%
2017	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	49,057	123,799	1,290		138		-6.2%	3.1%	0.3%
Tue	52,401	138,542	1,480	4,752 5,317	159	179,036 197,899	-6.2% -5.7%	4.4%	1.6%
Wed	53,446	140,464	1,460	5,481	167		-5.7% -5.2%		2.5%
					171	201,062		5.5%	
Thu	54,625	140,844	1,469	5,617		202,726	-5.3%	6.0%	2.8%
Fri	59,419	136,080	1,373	5,891	184	202,946	-2.7%	8.6%	5.0%
Sat	48,402	75,543	714	4,757	131	129,547	-4.8%	6.8%	2.1%
Sun	38,333	62,385	630	3,555	95	104,997	-4.8%	6.7%	2.0%
						196,734	-5.0%	5.6%	2.5%
Avg Weekday	53,790	135,946	1,423	5,412	164				
Avg Weekday Avg Weekend Avg Day	53,790 43,367 50,812	135,946 68,964 116,808	1,423 672 1,209	4,156 5,053	113 149	117,272 174,030	-4.8% -4.9%	6.7% 5.7%	2.1%

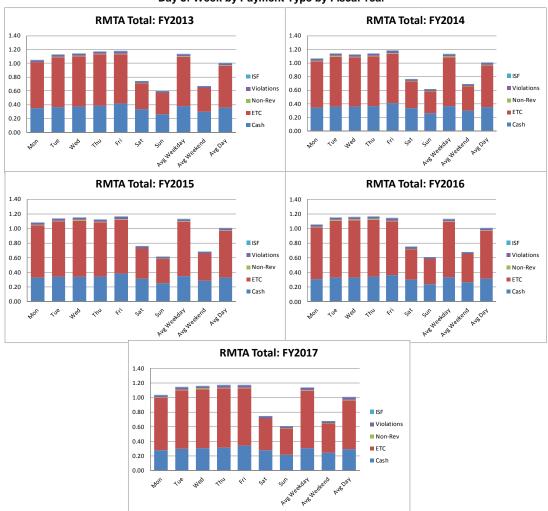
	RMTA Total: Historical Traffic by Payment Type										
FY	Cash	ETC *	Non-Rev	Violations	ISF	Total	% ETC *	% Cash	% Viol		
2013	20,187,861	34,379,674	364,185	1,618,229	63,094	56,613,043	60.7%	35.7%	2.9%		
2014	20,247,976	35,739,274	448,875	1,593,897	62,070	58,092,092	61.5%	34.9%	2.7%		
2015	19,601,321	37,801,078	447,809	1,543,487	71,735	59,465,430	63.6%	33.0%	2.6%		
2016	19,569,321	40,472,616	451,060	1,691,787	70,085	62,254,869	65.0%	31.4%	2.7%		
2017	18,554,882	42,654,178	441,292	1,845,142	54,527	63,550,021	67.1%	29.2%	2.9%		
		(	Growth				%	Point Grov	vth		
2013 to 2014	0.3%	4.0%	23.3%	-1.5%	-1.6%	2.6%	0.8%	-0.8%	-0.1%		
2014 to 2015	-3.2%	5.8%	-0.2%	-3.2%	15.6%	2.4%	2.0%	-1.9%	-0.1%		
2015 to 2016	-0.2%	7.1%	0.7%	9.6%	-2.3%	4.7%	1.4%	-1.5%	0.1%		
2016 to 2017	-5.2%	5.4%	-2.2%	9.1%	-22.2%	2.1%	2.1%	-2.2%	0.2%		

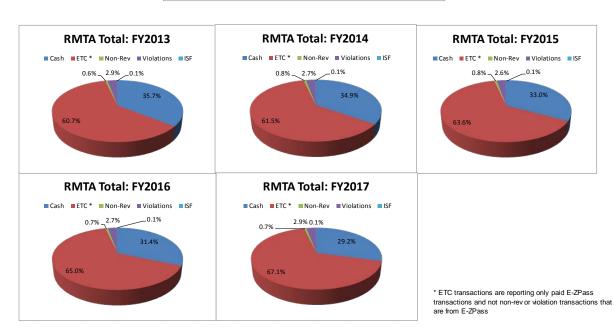


<sup>\*</sup> ETC transactions are reporting only paid E-ZPass transactions and not non-rev or violation transactions that are from E-ZPass



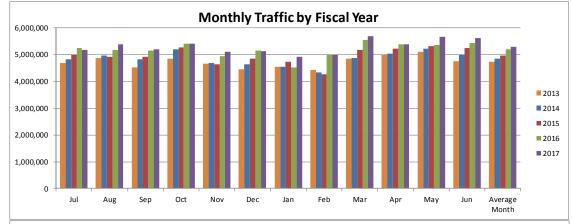


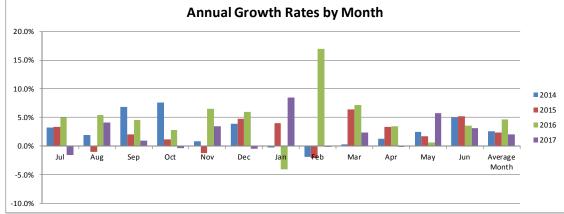


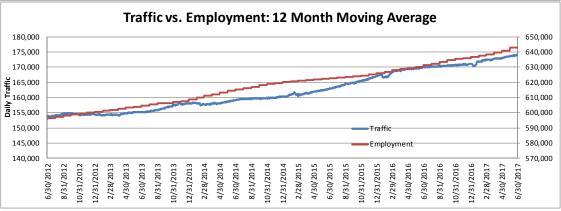




Month	RMTA Total: His	storical Traffic b	y Month and Fis	scal Year					
MONTH	2013	Growth	2014	Growth	2015	Growth	2016	Growth	2017
Jul	4,676,346	3.2%	4,825,959	3.4%	4,988,209	5.0%	5,238,336	-1.5%	5,159,243
Aug	4,858,057	1.9%	4,950,969	-0.9%	4,904,305	5.4%	5,171,293	4.1%	5,382,898
Sep	4,510,690	6.9%	4,820,514	2.1%	4,920,145	4.6%	5,146,077	0.9%	5,194,027
Oct	4,835,121	7.6%	5,202,860	1.2%	5,264,488	2.8%	5,412,545	-0.3%	5,394,531
Nov	4,645,323	0.8%	4,683,594	-1.2%	4,628,374	6.5%	4,929,144	3.4%	5,098,040
Dec	4,452,573	3.9%	4,624,583	4.8%	4,845,554	6.0%	5,137,215	-0.5%	5,112,595
Jan	4,542,652	-0.2%	4,534,167	4.0%	4,716,822	-4.0%	4,527,838	8.4%	4,909,911
Feb	4,425,292	-1.9%	4,341,518	-2.0%	4,253,228	17.0%	4,974,342	0.0%	4,974,209
Mar	4,849,265	0.3%	4,864,862	6.4%	5,178,384	7.2%	5,550,915	2.4%	5,685,501
Apr	4,973,917	1.3%	5,039,104	3.3%	5,207,484	3.4%	5,386,899	-0.1%	5,381,423
May	5,094,049	2.5%	5,219,473	1.8%	5,312,390	0.6%	5,344,537	5.8%	5,653,827
Jun	4,749,758	4.9%	4,984,489	5.2%	5,246,047	3.6%	5,435,728	3.1%	5,603,816
Total	56,613,043	2.6%	58,092,092	2.4%	59,465,430	4.7%	62,254,869	2.1%	63,550,021





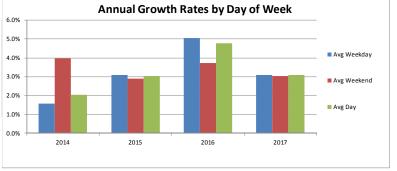




#### 13.3 Powhite Parkway T&R Trends

	Powhite	Total: Transac	tions by Pay	ment Type by	Day of Wee	k for FY2013	to FY2017		
2013	Cash	ETC *	Non-Rev	Violations	ISF	Total			
Mon	31,860	59,008	661	2,181	112	93,821	1		
Tue	33,169	63,697	772	2,319	118	100,076	i		
Wed	33,992	64,473	783	2,323	128	101,699	i		
Thu	35,021	65,661	785	2,431	133	104,032	1		
Fri	37,880	63,891	725	2,604	134	105,234	1		
Sat	31,384	35,922	356	2,070	82	69,815	i		
Sun	24,937	28,910	297	1,624	63	55,831	1		
Avg Weekday	34,384	63,346	745	2,372	125	100,972			
Avg Weekend	28,161	32,416	327	1,847	73	62,823	i		
Avg Day	32,606	54,509	626	2,222	110	90,073	Growth	from previo	nus FY
2014	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	32,204	61,629	762	2,172	106	96,872	1.1%	4.4%	3.3%
Tue	33,242	66,311	833	2,361	118	102,864	0.2%	4.1%	2.8%
Wed	33,254	65,458	819	2,413	123	102,066	-2.2%	1.5%	0.4%
Thu	34,197	65,890	841	2,398	129	103,456	-2.4%	0.3%	-0.6%
Fri	37,961	66,058	803	2,580	128	107,529	0.2%	3.4%	2.2%
Sat	32,134	38,000	401	2,109	88	72,731	2.4%	5.8%	4.2%
Sun	25,378	30,468	347	1,632	65	57,891	1.8%	5.4%	3.7%
Avg Weekday	34,172	65,069	811	2,385	121	102,558	-0.6%	2.7%	1.6%
Avg Weekend	28,756	34,234	374	1,871	77	65,311	2.1%	5.6%	4.0%
Avg Weekend Avg Day	32,624	56,259	686	2,238	108	91,916	0.1%	3.2%	2.0%
	- /-	56,259 ETC *			ISF	- 1		ETC	
2015	Cash		Non-Rev	Violations		Total	Cash		Total
Mon	31,919	66,445	759	2,041	128	101,292	-0.9%	7.8%	4.6%
Tue	32,558	70,136	825	2,113	139	105,772	-2.1%	5.8%	2.8%
Wed	33,162	70,806	909	2,109	146	107,132	-0.3%	8.2%	5.0%
Thu	33,069	68,977	837	2,143	149	105,176	-3.3%	4.7%	1.7%
Fri	36,772	69,068	792	2,411	149	109,192	-3.1%	4.6%	1.5%
Sat	31,068	40,858	386	2,097	96 75	74,505	-3.3%	7.5%	2.4%
Sun	24,796	33,104	337 824	1,581	142	59,892	-2.3% -2.0%	8.7% 6.2%	3.5%
Avg Weekday	33,496	69,086		2,164		105,713			
Avg Weekend Avg Day	27,932	36,981	362 692	1,839 2,071	86 126	67,199 94,709	-2.9% -2.2%	8.0% 6.5%	2.9%
	31,906	59,913							3.0%
2016	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	31,365	69,253	767	2,257	114	103,755	-1.7%	4.2%	2.4%
Tue	33,025	75,950	848	2,378	127	112,327	1.4%	8.3%	6.2%
Wed	33,566	76,504	851	2,317	131	113,369	1.2%	8.0%	5.8%
Thu	34,175	76,140	840	2,415	137	113,707	3.3%	10.4%	8.1%
Fri	36,163	72,479	760	2,571	139	112,113	-1.7%	4.9%	2.7%
Sat	30,871	43,594	394	2,213	93	77,167	-0.6%	6.7%	3.6%
Sun	24,449	35,658	353	1,714	70	62,243	-1.4%	7.7%	3.9%
Avg Weekday	33,659	74,065	813 374	2,388	130	111,054	0.5%	7.2%	5.1%
Avg Weekend	27,660	39,626		1,964	81	69,705	-1.0%	7.2%	3.7%
Avg Day	31,945	64,225	688	2,267	116	99,240	0.1%	7.2%	4.8%
2017	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	29,785	71,848	736	2,512	83	104,963	-5.0%	3.7%	1.2%
Tue	31,563	79,845	842	2,612	92	114,954	-4.4%	5.1%	2.3%
Wed	32,108	80,910	844	2,691	98	116,650	-4.3%	5.8%	2.9%
Thu	32,799	80,912	823	2,739	101	117,374	-4.0%	6.3%	3.2%
Fri	35,670	78,937	758	3,015	106	118,486	-1.4%	8.9%	5.7%
Sat	29,861	46,514	383	2,553	72	79,383	-3.3%	6.7%	2.9%
Sun	23,745	38,154	340	1,969	53	64,261	-2.9%	7.0%	3.2%
Avg Weekday	32,385	78,490	800	2,714	96	114,485	-3.8%	6.0%	3.1%
						71,822	-3.1%	6.8%	3.0%
Avg Weekend Avg Day	26,803 30,790	42,334 68,160	361 675	2,261 2,584	62 86	102,296	-3.6%	6.1%	3.1%

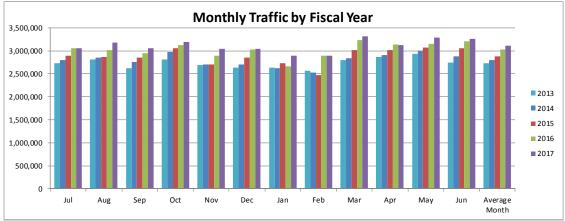
	Powhite Total: Historical Traffic by Payment Type										
FY	Cash	ETC *	Non-Rev	Violations	ISF	Total	% ETC	% Cash	% Viol		
2013	11,893,586	19,870,133	228,042	810,357	40,120	32,842,238	60.5%	36.2%	2.5%		
2014	11,907,409	20,539,935	250,619	816,748	39,485	33,554,196	61.2%	35.5%	2.4%		
2015	11,646,458	21,878,582	252,789	755,851	46,048	34,579,728	63.3%	33.7%	2.2%		
2016	11,695,626	23,530,670	251,949	829,739	42,444	36,350,428	64.7%	32.2%	2.3%		
2017	11,243,265	24,889,194	246,470	943,723	31,510	37,354,162	66.6%	30.1%	2.5%		
			Growth				%	Point Grow	vth		
2013 to 2014	0.1%	3.4%	9.9%	0.8%	-1.6%	2.2%	0.7%	-0.7%	0.0%		
2014 to 2015	-2.2%	6.5%	0.9%	-7.5%	16.6%	3.1%	2.1%	-1.8%	-0.2%		
2015 to 2016	0.4%	7.6%	-0.3%	9.8%	-7.8%	5.1%	1.5%	-1.5%	0.1%		
2016 to 2017	-3.9%	5.8%	-2.2%	13.7%	-25.8%	2.8%	1.9%	-2.1%	0.2%		

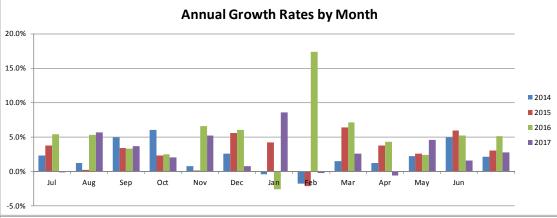


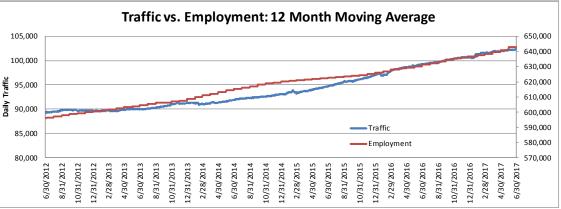
<sup>\*</sup> ETC transactions are reporting only paid E-ZPass transactions and not non-rev or violation transactions that are from E-ZPass



Month			Powh	nite Total: Histori	ical Traffic by M	onth and Fiscal	Year		
Month	2013	Growth	2014	Growth	2015	Growth	2016	Growth	2017
Jul	2,729,646	2.3%	2,792,285	3.8%	2,897,937	5.4%	3,053,511	0.0%	3,052,797
Aug	2,818,384	1.2%	2,853,185	0.2%	2,859,680	5.3%	3,011,736	5.7%	3,183,563
Sep	2,625,798	5.0%	2,756,077	3.4%	2,849,083	3.3%	2,943,992	3.7%	3,052,363
Oct	2,811,961	6.0%	2,981,204	2.3%	3,050,326	2.5%	3,126,198	2.1%	3,190,790
Nov	2,683,992	0.8%	2,705,220	0.1%	2,708,576	6.6%	2,887,396	5.3%	3,039,565
Dec	2,631,739	2.6%	2,700,512	5.6%	2,851,897	6.1%	3,025,021	0.8%	3,048,451
Jan	2,636,071	-0.4%	2,625,428	4.2%	2,736,397	-2.6%	2,665,391	8.6%	2,894,435
Feb	2,566,164	-1.7%	2,522,110	-2.1%	2,469,324	17.4%	2,898,470	-0.2%	2,892,152
Mar	2,796,450	1.5%	2,838,483	6.4%	3,019,201	7.2%	3,235,731	2.6%	3,319,480
Apr	2,867,609	1.3%	2,904,082	3.8%	3,013,069	4.3%	3,143,904	-0.6%	3,125,588
May	2,931,127	2.2%	2,996,824	2.6%	3,074,381	2.4%	3,148,539	4.6%	3,292,897
Jun	2,743,297	4.9%	2,878,786	5.9%	3,049,857	5.3%	3,210,539	1.6%	3,262,081
Total	32,842,238	2.2%	33,554,196	3.1%	34,579,728	5.1%	36,350,428	2.8%	37,354,162





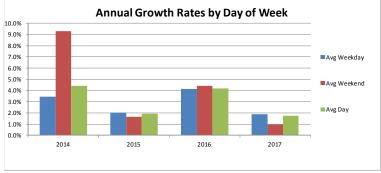




#### 13.4 Downtown Expressway T&R Trends

	DTF To	ntal: Transact	ions by Payr	ment Type by	Day of Wee	k for FY2013	to FY2017		
2013	Cash	FTC *	Non-Rev	Violations	ISF	Total	10112011		
Mon	14,482	39,823	341	2,190	50	56,886			
Tue	15,636	43,967	456	2,251	54	62,364			
Wed	15,977	43,966	405	2,335	57	62,740			
Thu	16,762	45,272	413	2,409	60	64,916			
Fri	17,885	42,809	391	2,447	63	63,595			
Sat	13,486	18,307	186	1,653	42	33,674			
Sun	10,608	15,192	151	1,332	30	27,311			
Avg Weekday	16,148	43,168	401	2,326	57	62,100			
Avg Weekend	12,047	16,749	168	1,492	36	30,493			
Avg Day	14,977	35,619	335	2,088	51	53,069	Croudh	from previo	oue EV
2014	Cash	ETC *		Violations	ISF	Total	Cash	ETC	Total
Mon	14,961	42,554	Non-Rev 503	2,011	49	60,078	3.3%	6.9%	5.6%
								5.7%	4.4%
Tue Wed	15,816	46,461	562	2,194	53 56	65,087	1.2%	3.9%	2.6%
Thu	15,884	45,700	565 575	2,167	59	64,373	-0.6% -1.6%	1.7%	
	16,502	46,021	5/5	2,200		65,356			0.7%
Fri	18,442	44,788		2,384	68	66,242	3.1%	4.6%	4.2%
Sat	14,567	20,250	265	1,742	48	36,872	8.0%	10.6%	9.5%
Sun	11,357	16,810	222	1,366	35	29,790	7.1%	10.7%	9.1%
Avg Weekday	16,321	45,105	553	2,191	57	64,227	1.1%	4.5%	3.4%
Avg Weekend	12,962	18,530	244	1,554	42	33,331	7.6%	10.6%	9.3%
Avg Day	15,361	37,512	465	2,009	53	55,400	2.6%	5.3%	4.4%
2015	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	14,435	45,229	463	2,071	58	62,256	-3.5%	6.3%	3.6%
Tue	15,162	48,445	538	2,131	64	66,340	-4.1%	4.3%	1.9%
Wed	15,437	48,613	593	2,145	66	66,853	-2.8%	6.4%	3.9%
Thu	15,478	47,391	548	2,213	66	65,698	-6.2%	3.0%	0.5%
Fri	17,301	46,154	529	2,373	73	66,429	-6.2%	3.0%	0.3%
Sat	13,808	21,498	267	1,747	56	37,376	-5.2%	6.2%	1.4%
Sun	10,809	17,927	219	1,378	41	30,374	-4.8%	6.6%	2.0%
Avg Weekday	15,563	47,166	534	2,187	65	65,515	-4.6%	4.6%	2.0%
Avg Weekend	12,308	19,713	243	1,562	49	33,875	-5.0%	6.4%	1.6%
Avg Day	14,633	39,322	451	2,008	61	56,475	-4.7%	4.8%	1.9%
2016	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	13,874	46,315	498	2,196	62	62,945	-3.9%	2.4%	1.1%
Tue	15,003	51,813	561	2,357	69	69,802	-1.0%	7.0%	5.2%
Wed	15,176	51,571	578	2,421	72	69,817	-1.7%	6.1%	4.4%
Thu	15,795	51,636	569	2,477	75	70,552	2.0%	9.0%	7.4%
Fri	16,967	47,917	530	2,591	81	68,086	-1.9%	3.8%	2.5%
Sat	13,537	23,052	275	1,996	65	38,925	-2.0%	7.2%	4.1%
Sun	10,587	19,375	236	1,571	45	31,813	-2.1%	8.1%	4.7%
Avg Weekday	15,363	49,850	547	2,408	72	68,240	-1.3%	5.7%	4.2%
Avg Weekend	12,062	21,214	256	1,783	55	35,369	-2.0%	7.6%	4.4%
Avg Day	14,420	41,668	464	2,230	67	58,849	-1.5%	6.0%	4.2%
2017	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Mon	12,630	47,273	479	2,048	51	62,480	-9.0%	2.1%	-0.7%
Tue	13,703	53,403	552	2,489	61	70,207	-8.7%	3.1%	0.6%
Wed	14,133	54,212	566	2,571	63	71,545	-6.9%	5.1%	2.5%
Thu	14,564	54,549	557	2,665	64	72,399	-7.8%	5.6%	2.6%
Fri	16,031	51,763	529	2,636	72	71,030	-5.5%	8.0%	4.3%
Sat	12,450	24,658	269	1,988	55	39,419	-8.0%	7.0%	1.3%
Sun	9,702	20,630	235	1,392	40	31,999	-8.4%	6.5%	0.6%
Avg Weekday	14,212	52,240	537	2,482	62	69,532	-7.5%	4.8%	1.9%
Avg Weekend	11,076	22,644	252	1,690	47	35,709	-8.2%	6.7%	1.0%
Avg Day	13,316	43,784	455	2,255	58	59,869	-7.7%	5.1%	1.7%

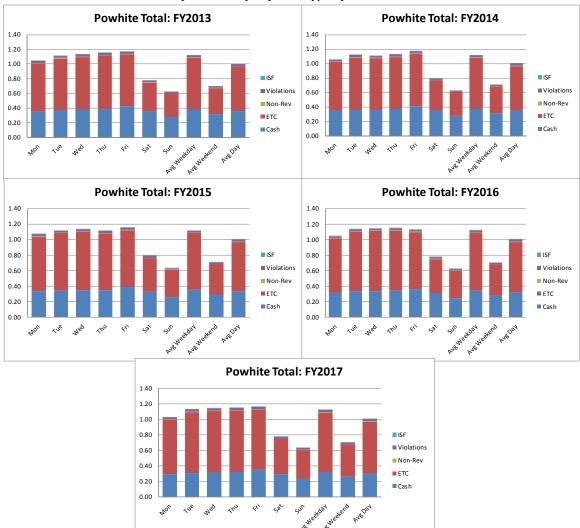
		D	TE Total: His	torical Traffic	by Payment	Туре				
FY	Cash	ETC *	Non-Rev	Violations	ISF	Total	% ETC	% Cash	% Viol	
2013	5,462,089	12,980,651	121,933	761,371	18,536	19,344,580	67.1%	28.2%	3.9%	
2014	5,606,489	13,696,895	169,638	733,373	19,183	20,225,578	67.7%	27.7%	3.6%	
2015	5,341,515	14,361,825	164,719	733,173	22,104	20,623,336	69.6%	25.9%	3.6%	
2016	5,279,821	15,270,437	169,986	816,546	24,479	21,561,269	70.8%	24.5%	3.8%	
2017	4,863,154	15,989,100	166,224	823,629	21,112	21,863,219	73.1%	22.2%	3.8%	
			Growth				% Point Growth			
2013 to 2014	2.6%	5.5%	39.1%	-3.7%	3.5%	4.6%	0.6%	-0.5%	-0.3%	
2014 to 2015	-4.7%	4.9%	-2.9%	0.0%	15.2%	2.0%	1.9%	-1.8%	-0.1%	
2015 to 2016	-1.2%	6.3%	3.2%	11.4%	10.7%	4.5%	1.2%	-1.4%	0.2%	
2016 to 2017	-7.9%	4.7%	-2.2%	0.9%	-13.8%	1.4%	2.3%	-2.2%	0.0%	

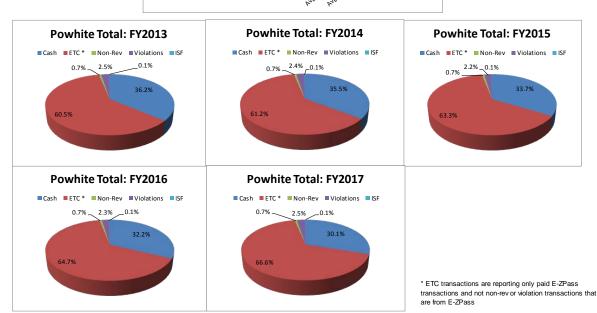


<sup>\*</sup> ETC transactions are reporting only paid E-ZPass transactions and not non-rev or violation transactions that are from E-ZPass



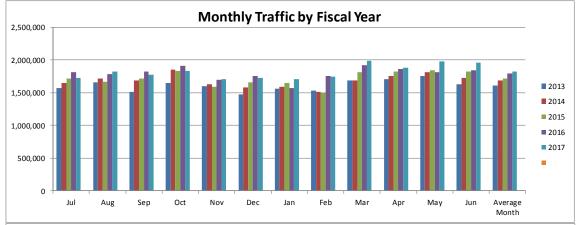


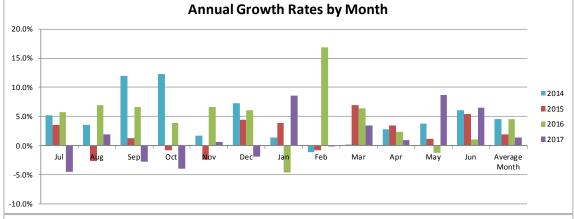


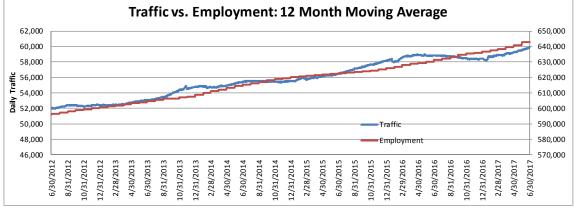




Mandh			DTE	Total: Historica	al Traffic by Mon	th and Fiscal Y	ear		
Month	2013	Growth	2014	Growth	2015	Growth	2016	Growth	2017
Jul	1,572,616	5.2%	1,653,976	3.5%	1,712,509	5.8%	1,811,358	-4.5%	1,730,554
Aug	1,655,141	3.6%	1,714,111	-2.6%	1,669,792	6.9%	1,785,443	1.9%	1,819,540
Sep	1,511,453	11.9%	1,691,708	1.3%	1,713,906	6.6%	1,827,435	-2.7%	1,777,660
Oct	1,650,154	12.3%	1,852,799	-0.8%	1,838,214	3.9%	1,909,895	-4.0%	1,834,337
Nov	1,605,071	1.7%	1,632,199	-2.4%	1,593,145	6.6%	1,699,005	0.6%	1,709,346
Dec	1,477,539	7.3%	1,585,006	4.4%	1,654,865	6.1%	1,755,379	-1.8%	1,723,314
Jan	1,565,613	1.4%	1,587,933	3.9%	1,650,396	-4.6%	1,574,408	8.6%	1,709,894
Feb	1,529,483	-1.2%	1,511,850	-0.8%	1,499,449	16.8%	1,751,598	-0.2%	1,748,543
Mar	1,687,781	0.2%	1,691,150	7.0%	1,809,483	6.4%	1,925,773	3.4%	1,992,116
Apr	1,709,898	2.9%	1,758,946	3.4%	1,819,566	2.4%	1,862,466	1.0%	1,881,229
May	1,751,793	3.8%	1,818,381	1.2%	1,840,747	-1.2%	1,817,800	8.7%	1,975,403
Jun	1,628,038	6.1%	1,727,519	5.4%	1,821,264	1.1%	1,840,709	6.6%	1,961,283
Total	19,344,580	4.6%	20,225,578	2.0%	20,623,336	4.5%	21,561,269	1.4%	21,863,219





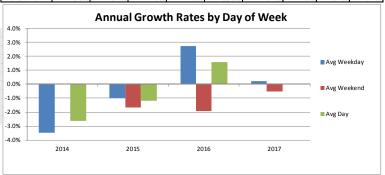




#### 13.5 Boulevard Bridge T&R Trends

Mon		Poulouard	Dridge Trans	actions by B	oumont Tune	by Doy of M	look for EV20	12 to EV20	17	
Tue 8,054 4,488 49 145 13 12,749 Wed 8,279 4,528 42 1449 14 13,013 Thu 8,358 4,573 45 122 15 13,113 Fri 8,896 4,634 44 149 15 13,738 Sat 7,262 3,870 30 1111 9 11,282 Sun 5,763 3,131 26 89 7 9,017 Avg Weekday 8,266 4,468 43 139 14 12,929 Avg Weekday 6,563 3,501 28 100 8 10,149 Avg Day 7,765 4,192 39 128 12 12,135 Growth from previous FY 2014 Cash ETC* Non-Rev Violations ISF Total Cash ETC Tot Mon 7,491 4,044 76 88 137 11 12,402 3,5% -2.0% -2.2 Wed 7,588 4,386 86 119 11 12,291 7,1% -3.1% -5 Fri 8,696 4,586 91 150 11 13,534 -2.2% -1.0% -1.5 Sat 7,187 3,386 60 116 6 11,256 1.0% -1.0 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 6,868 3,517 58 105 11 12,479 4.4% -2.5% -5 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 6,868 3,517 58 105 11 12,479 4.4% -2.5% -5 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 6,868 3,517 58 105 11 12,479 4.4% -2.5% -5 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 7,900 4,556 87 126 11 12,479 4.4% -2.5% -5 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 7,900 4,556 87 126 11 12,479 4.4% -2.5% -5 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 7,900 4,556 87 126 11 12,479 4.4% 0.25% -3 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 7,900 4,556 87 126 11 12,479 4.4% 0.25% -3 Sun 5,749 3,149 55 93 6 9,052 -0.2% 0.5% 0 Avg Weekday 7,506 4,688 3,517 58 105 6 10,154 0.7% 0.5% 0.5% 0 Avg Weekday 7,506 4,471 93 147 11 12,097 -6.2% 2.4% 0.5% -5 Fri 8,083 4,688 93 140 7 10,1901 -2.1% 6.9% 1 Thu 7,364 4,471 93 147 11 12,097 -6.2% 2.4% 0.5% 0.5% 0 Avg Weekday 7,564 4,589 96 160 11 12,347 3.3% 3.9% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0	2042							13 10 F 120	17	
Tue										
Wed   8,279										
Thu										
Sat   7,262   3,870   30   1111   9   11,282										
Sat   7,262   3,870   30   111   9   11,282										
Sun         5,763         3,131         26         89         7         9,017           Avg Weekend         6,513         3,501         28         100         8         10,149           Avg Day         7,765         4,192         39         128         12         12,135         Growth from previous FY           2014         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         7,491         4,044         76         107         9         11,727         3,2%         -1.8%         -2           Tue         7,771         4,396         88         137         11         12,402         3,5%         -2.0%         -2           Fri         8,696         4,586         86         119         11         12,402         -3.5%         -1.0%         -4%           Sat         7,187         3,886         60         116         6         11,254         -6.1%         -4.5%         -5           Fri         8,696         3,517         58         105         6         9,052         -0.2%         0.5%         0           Sun         5,749										
Avg Weekday										
Avg Weekend         6,513         3,501         28         100         8         10,149           Avg Day         7,765         4,192         39         128         12         12,135         Growth from previous FY           2014         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC*         Total           Mon         7,491         4,044         76         107         9         11,727         -3.2%         -1.8%         -2           Tue         7,771         4,396         88         119         11         12,402         -3.5%         -2.0%         -2.0%           Thu         7,882         4,389         92         118         11         12,442         -6.1%         -4.5%         -5           Fri         8,696         4,586         91         150         11         13,534         -2.2%         -1.0%         -4           Sat         7,187         3,886         60         116         6         11,254         -1.0%         -0.2%           Sun         5,749         3,149         55         93         6         9,052         -0.2%         0.5%         0										
Avg Day										
2014										
Mon										
Tue 7,771 4,396 88 137 11 12,402 3.5% 2.0% 2.2 Wed 7,688 4,386 86 119 11 12,291 7.7.1% 3.1% 5.5 Fin 8,696 4,586 91 150 11 12,247 2.2% 1.0% 1.5 Sat 7,187 3,886 60 116 6 11,256 1.0% 4.5% 5.5 Sat 7,187 3,886 60 116 6 11,256 1.0% 0.4% 0.5% 0.5% 0.4% 0.5% 0.5% 0.4% 0.4% 0.5% 0.5% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4										Total
Wed										-2.6%
Thu 7,852 4,369 92 118 11 12,442 6.1% 4.5% 5.5 Fri 8,696 4,586 91 150 11 13,534 -2.2% -1.0% -1.0										-2.7%
Fri         8,696         4,586         91         150         11         13,534         2,2%         -1,0%         -1           Sat         7,187         3,886         60         116         6         11,256         -1,0%         0.4%         -0         0.4%         -0         0.4%         -0         0.5%         0         0         0.4%         0.5%         0         0         0.5%         0         0         0.5%         0         0         0.5%         0         0         0.5%         0         0         0         0         0.5%         0		7,688								-5.6%
Sat   7,187   3,886   60   116   6   11,256   1,0%   0,4%   -0	Thu	7,852	4,369	92	118		12,442	-6.1%	-4.5%	-5.1%
Sun   5,749   3,149   55   93   6   9,052   0,2%   0,5%   0						11				-1.5%
Avg Weekday         7,900         4,356         87         126         11         12,479         -4.4%         -2.5%         -3           Avg Weekend         6,468         3,517         58         105         6         10,154         -0.7%         0.5%         -0.8%         -2.5%         -3           Avg Day         7,491         4,116         78         120         9         11,815         3.5%         -1.8%         -2           2015         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         7,532         4,659         96         160         11         12,901         -2.1%         6.9%         -0           Wed         7,527         4,618         103         146         11         12,405         -2.1%         5.3%         0           Thu         7,364         4,471         93         147         11         12,087         -6.2%         2.4%         -2           Sat         6,777         3,999         63         140         7         10,985         -5,7%         2.9%         -2           Sun         5,513         3,278										-0.2%
Avg Weekend         6,468         3,517         58         105         6         10,154         0.7%         0.5%         0           Avg Day         7,491         4,116         78         120         9         11,815         -3.5%         -1.8%         2015           2015         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Aug         Aug         -0         11         11,901         -2.1%         5.3%         0         0         11         11,901         -2.1%         5.3%         0         0         11         11,204         -2.1%         5.3%         0         0         11         11,204         -2.1%         5.3%         0         0         0         11 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.4%</td></td<>										0.4%
Avg Day	Avg Weekday	7,900	4,356	87	126	11	12,479	-4.4%	-2.5%	-3.5%
Non-Rev   Violations   ISF   Total   Cash   ETC   Total	Avg Weekend	6,468	3,517	58	105	6	10,154	-0.7%	0.5%	0.0%
Mon	Avg Day	7,491	4,116	78	120	9	11,815	-3.5%	-1.8%	-2.6%
Mon	2015	Cash	ETC *	Non-Rev	Violations	ISF	Total	Cash	ETC	Total
Tue 7,512 4,569 96 160 111 12,347 -3,3% 3,9% -0 Wed 7,527 4,618 103 146 111 12,405 -2.1% 5,3% 0.9 Thu 7,364 4,471 93 147 111 12,087 -6.2% 2,4% 2-2 Fri 8,083 4,668 93 169 111 13,024 7,70% 1,8% -3 Sat 6,777 3,999 63 140 7 10,985 -5.7% 2,9% -2.9% Sun 5,513 3,278 55 130 6 8,982 -4.1% 4,1% -0 Say Weekday 7,564 4,530 93 155 111 12,353 -4.2% 4,0% -1 Avg Weekday 7,564 4,530 83 149 10 11,676 -4.4% 3,9% -1 Avg Weekday 7,159 4,275 83 149 10 11,676 -4.4% 3,9% -1 Sun 7,531 4,951 89 130 10 12,711 0,3% 8,4% 2 Wed 7,629 5,027 96 128 10 12,291 0,3% 8,4% 2 Wed 7,629 5,027 96 128 10 12,291 1,3% 8,4% 2 Wed 7,629 5,027 96 128 10 12,291 1,4% 8,9% 3 Thu 7,719 5,046 89 127 10 12,990 4,8% 0,9 Sat 6,440 4,110 61 123 6 10,741 5,0% 13,4% 14,8% 12,8% 7 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 0,2 Sun 5,249 3,429 56 102 6 8,843 -4.8% 1,8% 12 Sun 5,249 3,429 56 102 6 8,843 -4.8% 4.6% -1 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 2 Avg Weekday 7,579 4,882 88 129 10 12,688 0,2% 7,8% 4 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1 Avg Day 7,084 4,564 80 124 9 11,861 1,0% 6,8% 1										1.5%
Wed   7,527   4,618   103   146   111   12,405   -2.1%   5.3%   0     Thu   7,364   4,471   93   147   111   12,067   -6.2%   2.4%   .2.4%     Fri   8,083   4,668   93   169   111   13,024   -7.0%   1.8%   -3     Sat   6,777   3,999   63   140   7   10,985   -5.7%   2.9%   -2     Sun   5,513   3,278   55   130   6   8,982   -4.1%   4.1%   -0     Avg Weekday   7,564   4,530   93   155   111   12,353   -4.2%   4.0%   -1     Avg Weekday   7,564   4,530   93   155   11   12,353   -4.2%   4.0%   -1     Avg Weekend   6,145   3,638   59   135   7   9,984   -5.0%   3.4%   -1     Avg Day   7,159   4,275   83   149   10   11,676   -4.4%   3,9%   -1     Avg Day   7,159   4,275   83   149   10   11,676   -4.4%   3,9%   -1     Tue   7,531   4,951   89   130   10   12,711   -3.9%   3.4%   -1     Tue   7,531   4,951   89   130   10   12,711   -3.9%   3.4%   -2     Wed   7,629   5,027   96   128   10   12,891   1.4%   8.9%   3     Thu   7,719   5,046   89   127   10   12,990   4.8%   12.8%   7     Fri   7,967   4,916   86   143   111   13,123   1.4%   5.3%   0     Sat   6,440   4,110   61   123   6   10,741   5.0%   2.8%   -2     Avg Weekday   7,579   4,882   88   129   10   12,688   -14,68   4.6%   -1     Avg Day   7,084   4,564   80   124   9   11,861   -1.0%   6.8%   1     Avg Day   7,084   4,564   80   124   9   11,861   -1.0%   6.8%   1     Avg Day   7,084   4,564   80   124   9   11,861   -1.0%   6.8%   1     Avg Day   7,084   4,564   87   192   5   11,893   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,593   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,593   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,593   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,593   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,593   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,593   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,593   -5.8%   4,6%   -1     Avg Day   7,084   4,564   87   192   5   11,5										-0.4%
Thu 7,364 4,471 93 147 11 12,087 6.2% 2.4% -2 Fri 8,083 4,668 93 169 11 13,024 7.0% 1.8% -3 Sat 6,777 3,999 63 140 7 10,985 5.7% 2.9% -2 Sun 5,513 3,278 55 130 6 8,982 4.1% 4.1% -0 Avg Weekday 7,564 4,530 93 155 11 12,353 4.2% 4.0% 1.4 Avg Weekdend 6,145 3,638 59 135 7 9,984 -5.0% 3.4% 1.4 Avg Day 7,159 4,275 83 149 10 11,676 4.4% 3.9% 1.4 Avg Day 7,159 4,275 83 149 10 11,676 4.4% 3.9% 1.4  E2016 Cash ETC Non-Rev Violations ISF Total Cash ETC Total Cas										0.9%
Fri         8,083         4,668         93         169         11         13,024         -7,0%         1.8%         -3           Sat         6,777         3,999         63         140         7         10,985         5.7%         2.9%         -2           Sun         5,513         3,278         55         130         6         8,982         -4.1%         4.1%         -0           Avg Weekday         7,564         4,530         93         155         11         12,353         -4.2%         4.0%         -1           Avg Day         7,159         4,275         83         149         10         11,676         -4.4%         3.9%         -1           Avg Day         7,159         4,275         83         149         10         11,676         -4.4%         3.9%         -1           Mon         7,052         4,471         78         117         9         11,726         -3.9%         4.4%         3.9%         -1           Tue         7,531         4,951         89         130         10         12,711         0.3%         8.4%         2           Wed         7,629         5,027         96         128										-2.9%
Sat         6,777         3,999         63         140         7         10,985         -5,7%         2.9%         -2           Sun         5,513         3,278         55         130         6         8,982         -4,1%         4,1%         -0           Avg Weekday         7,564         4,530         93         155         11         12,353         -4,2%         4,0%         -1           Avg Weekend         6,145         3,638         59         135         7         9,984         -5,0%         3,4%         -1           Avg Day         7,159         4,275         83         149         10         11,676         -4,4%         3,9%         -1           2016         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Tot           Mon         7,052         4,471         78         117         9         11,726         -3,9%         3,4%         -1           Tue         7,531         4,951         89         130         10         12,711         0.3%         8,4%         2           Wed         7,629         5,027         96         128         10 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-3.8%</td>										-3.8%
Sun   5,513   3,278   55   130   6   8,982   -4,1%   4,1%   -0     Avg Weekday   7,564   4,530   93   155   11   12,353   -4,2%   4,0%   -1     Avg Weekend   6,145   3,638   59   135   7   9,984   -5,0%   3,4%   -1     Avg Day   7,159   4,275   83   149   10   11,676   -4,4%   3,9%   -1     Z016   Cash   ETC   Non-Rev   Violations   ISF   Total   Cash   ETC   Total     Mon   7,052   4,471   78   117   9   11,726   -3,9%   3,4%   -1     Tue   7,531   4,951   89   130   10   12,711   0,3%   8,4%   2     Wed   7,629   5,027   96   128   10   12,891   1,4%   8,9%   3     Thu   7,719   5,046   89   127   10   12,991   1,4%   8,9%   3     Fri   7,967   4,916   86   143   11   13,123   -1,4%   5,3%   0     Sat   6,440   4,110   61   123   6   10,741   5,0%   2,8%   2     Sun   5,249   3,429   56   102   6   8,843   4,8%   4,6%   1     Avg Weekday   7,579   4,882   88   129   10   12,688   0,2%   7,8%   2     Avg Weekend   5,845   3,770   59   113   6   9,792   4,9%   3,6%   1     Avg Day   7,084   4,564   80   124   9   11,861   -10%   6,8%   1     Tue   7,135   5,294   87   216   6   12,737   5,3%   6,9%   0     Wed   7,206   5,342   94   219   6   12,867   5,5%   6,9%   0										-2.4%
Avg Weekday         7,564         4,530         93         155         11         12,353         4.2%         4.0%         -1           Avg Weekend         6,145         3,638         59         135         7         9,984         5.0%         3.4%         9         -1           Avg Day         7,159         4,275         83         149         10         11,676         4.4%         3.9%         -1           2016         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         7,052         4,471         78         117         9         11,726         -3.9%         8.4%         2           Wed         7,629         5,027         96         128         10         12,711         0.3%         8.4%         2           Thu         7,967         4,916         86         143         11         13,123         1.4%         5.3%         0           Sat         6,400         4,110         61         123         6         10,741         -5.0%         2.8%         -2           Sun         5,249         3,429         56         102										-0.8%
Avg Weekend         6.145         3.638         59         135         7         9.984         -5.0%         3.4%         -1           Avg Day         7,159         4.275         83         149         10         11,676         -4.4%         3.9%         -1           2016         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         7,052         4.471         78         117         9         11,726         -3.9%         3.4%         -1           Tue         7,531         4.951         89         130         10         12,711         0.3%         8.4%         2           Wed         7,629         5,027         96         128         10         12,891         1.4%         8.9%         3           Thu         7,719         5,046         89         127         10         12,990         4.8%         12.8%         7           Fri         7,967         4,916         86         143         11         13,123         1.4%         5.3%         0           Sun         5,249         3,429         56         102         6										-1.0%
Avg Day         7,159         4,275         83         149         10         11,676         4.4%         3.9%         -1           2016         Cash         ETC         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         7,052         4,471         78         1117         9         11,726         3.9%         3.4%         -1           Tue         7,531         4,951         89         130         10         12,711         0.3%         8.4%         2           Wed         7,629         5,027         96         128         10         12,891         1.4%         8.9%         3           Thu         7,719         5,046         89         127         10         12,991         1.4%         8.9%         3           Fri         7,967         4,916         86         143         11         13,123         -1.4%         5.3%         0           Sat         6,440         4,110         61         123         6         10,741         -5.0%         2.8%         -2           Sun         5,249         3,429         56         102         6         8,8										-1.7%
2016   Cash   ETC *   Non-Rev   Violations   ISF   Total   Cash   ETC   Total										-1.2%
Mon										
Tue 7,531 4,951 89 130 10 12,711 0.3% 8.4% 2 Wed 7,629 5,027 96 128 10 12,891 1.4% 8.9% 3 Thu 7,719 5,046 89 127 10 12,991 1.4% 8.9% 7 Fri 7,967 4,916 86 143 11 13,123 1.4% 5.3% 0 Sat 6,440 4,110 61 123 6 10,741 5.0% 2.8% 2.8 Sun 5,249 3,429 56 102 6 8,843 4.8% 4.8% 4.8% 4.8 Avg Weekday 7,579 4,882 88 129 10 12,688 0.2% 7.8% 2 Avg Weekend 5,845 3,770 59 113 6 9,792 4.9% 3.6% 1 Avg Day 7,084 4,564 80 124 9 11,861 1.0% 6.8% 1 2017 Cash ETC* Non-Rev Violations ISF Total Cash ETC Total Mon 6,642 4,678 75 192 5 11,593 5.8% 4.6% 1 Tue 7,135 5,294 87 216 6 12,667 5.5% 6.3% 0.0 Wed 7,206 5,342 94 219 6 12,867 5.5% 6.3% 0.0										-1.5%
Wed         7,629         5,027         96         128         10         12,891         1.4%         8.9%         3           Thu         7,719         5,046         88         127         10         12,990         4.8%         12.8%         7           Fri         7,967         4,916         86         143         111         13,123         1.4%         5.3%         0           Sat         6,440         4,110         61         123         6         10,741         -5.0%         2.8%         -2           Sun         5,249         3,429         56         102         6         8,843         -4.8%         4.6%         -1           Avg Weekday         7,579         4,882         88         129         10         12,688         0.2%         7.8%         2           Avg Weekend         5,845         3,770         59         113         6         9,792         4.9%         3.6%         -1           Avg Day         7,084         4,564         80         124         9         11,861         -1.0%         6.8%         1           2017         Cash         ETC*         Non-Rev         Violations         ISF										
Thu 7,719 5,046 89 127 10 12,990 4.8% 12.8% 7 Fri 7,967 4,916 86 143 11 13,123 -1.4% 5.3% 0 Sat 6,440 4,110 61 123 6 10,741 -5.0% 2.8% -2 Sun 5,249 3,429 56 102 6 8,843 -4.8% 4.6% -1 Avg Weekday 7,579 4,882 88 129 10 12,688 0.2% 7.8% 2 Avg Weekday 5,845 3,770 59 113 6 9,792 -4.9% 3.6% -1 Avg Day 7,084 4,564 80 124 9 11,861 -1.0% 6.8% 1 2017 Cash ETC Non-Rev Violations ISF Total Cash ETC Total Mon 6,642 4,678 75 192 5 11,593 -5.8% 6.6% 0 Wed 7,206 5,342 94 219 6 12,867 -5.5% 6.3% 0										2.9%
Fri         7,967         4,916         86         143         11         13,123         -1,4%         5,3%         0           Sat         6,440         4,110         61         123         6         10,741         -5,0%         2.8%         -2           Sun         5,249         3,429         56         102         6         8,843         4,8%         4,6%         -1           Avg Weekday         7,579         4,882         88         129         10         12,688         0,2%         7.8%         2           Avg Weekend         5,845         3,770         59         113         6         9,792         4,9%         3.6%         1           Avg Day         7,084         4,564         80         124         9         11,861         -1,0%         6.8%         1           Avg Day         7,084         4,564         80         124         9         11,861         -1,0%         6.8%         1           2017         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         6,642         4,678         75         192         5										3.9%
Sat         6.440         4.110         61         123         6         10,741         -5.0%         2.8%         -2           Sun         5,249         3.429         56         102         6         8,843         -4.8%         4.6%         -1           Ayg Weekday         7,579         4,882         88         129         10         12,688         -2         2.8%         2           Ayg Weekend         5,845         3,770         59         113         6         9,792         4.9%         3.6%         1           Ayg Day         7,084         4,564         80         124         9         11,861         -1.0%         6.8%         1           2017         Cash         ETC *         Non-Rev         Violations         ISF         Total         Cash         ETC *         Total           Mon         6,642         4,678         75         192         5         11,593         -5.8%         4.6%         1           Tue         7,135         5,294         87         216         6         12,267         -5.5%         6.9%         0           Wed         7,206         5,342         94         219         6										7.5%
Sun         5,249         3,429         56         102         6         8,843         -4.8%         4.6%         -1           Avg Weekday         7,579         4,882         88         129         10         12,688         0,2%         7.8%         2           Avg Weekend         5,845         3,770         59         113         6         9,792         -4,9%         3.6%         -1           Avg Day         7,084         4,564         80         124         9         11,861         -1.0%         6.8%         1           2017         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         6,642         4,678         75         192         5         11,593         -5.8%         4.6%         -1           Tue         7,135         5,294         87         216         6         12,737         -5.3%         6.9%         0           Wed         7,206         5,342         94         219         6         12,867         -5.5%         6.3%         -0										0.8%
Avg Weekday         7,579         4,882         88         129         10         12,688         0.2%         7.8%         2           Avg Weekend         5,845         3,770         59         113         6         9,792         4,9%         3.6%         -1           Avg Day         7,084         4,564         80         124         9         11,861         -1.0%         6.8%         1           2017         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         6,642         4,678         75         192         5         11,593         -5.8%         4.6%         -1           Tue         7,135         5,294         87         216         6         12,737         -5.3%         6.9%         0           Wed         7,206         5,342         94         219         6         12,867         -5.5%         6.3%         -0										-2.2%
Avg Weekend         5.845         3,770         59         113         6         9,792         4.9%         3.6%         -1           Avg Day         7,084         4,564         80         124         9         11,861         -1.0%         6.8%         1           2017         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         6,642         4,678         75         192         5         11,593         -5.8%         4.6%         -1           Tue         7,135         5,294         87         216         6         12,737         -5.3%         6.9%         0           Wed         7,206         5,342         94         219         6         12,867         -5.5%         6.3%         -0										-1.6%
Avg Day         7,084         4,564         80         124         9         11,861         -1.0%         6.8%         1           2017         Cash         ETC*         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         6,642         4,678         75         192         5         11,593         -5.8%         6.9%         0           Tue         7,135         5,294         87         216         6         12,737         -5.3%         6.9%         0           Wed         7,206         5,342         94         219         6         12,867         -5.5%         6.3%         -0										2.7%
2017         Cash         ETC **         Non-Rev         Violations         ISF         Total         Cash         ETC         Total           Mon         6.642         4.678         75         192         5         11,593         5.8%         4.6%         -1           Tue         7.135         5.294         87         216         6         12,737         -5.3%         6.9%         0           Wed         7.206         5.342         94         219         6         12,867         -5.5%         6.3%         -0										-1.9%
Mon         6,642         4,678         75         192         5         11,593         -5.8%         4.6%         -1           Tue         7,135         5,294         87         216         6         12,737         -5.3%         6.9%         0           Wed         7,206         5,342         94         219         6         12,867         -5.5%         6.3%         -0										1.6%
Tue         7,135         5,294         87         216         6         12,737         -5.3%         6.9%         0           Wed         7,206         5,342         94         219         6         12,867         -5.5%         6.3%         -0			ETC *							Total
Wed 7,206 5,342 94 219 6 12,867 -5.5% 6.3% -0		6,642	4,678	75	192		11,593	-5.8%		-1.1%
	Tue	7,135	5,294	87	216	6	12,737	-5.3%	6.9%	0.2%
Thu 7 262 5 292 90 242 6 42 052 5 00/ 6 70/ 0	Wed	7,206	5,342	94	219	6	12,867	-5.5%	6.3%	-0.2%
110 7,202 5,365 69 215 6 12,955 -5.9% 6.7% -0	Thu	7,262	5,383	89	213	6	12,953	-5.9%	6.7%	-0.3%
Fri 7,718 5,380 86 240 6 13,430 -3.1% 9.4% 2	Fri	7,718	5,380	86	240	6	13,430	-3.1%	9.4%	2.3%
Sat 6,090 4,371 62 217 5 10,744 5.4% 6.3% 0	Sat	6,090	4,371	62	217	5	10,744	-5.4%	6.3%	0.0%
										-1.2%
										0.2%
										-0.5%
										0.0%
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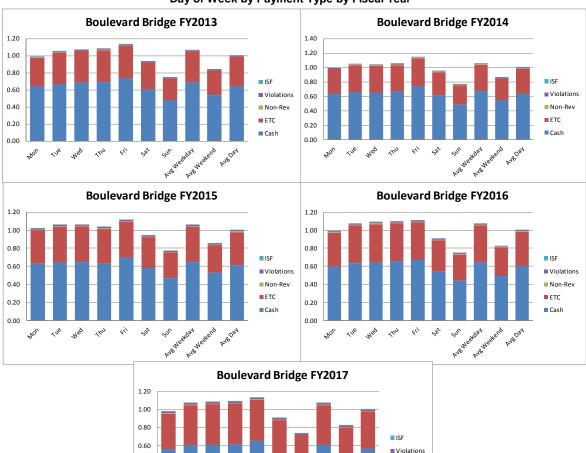
Boulevard Bridge Historical Traffic by Payment Type											
FY	Cash	ETC *	Non-Rev	Violations	ISF	Total	% ETC	% Cash	% Viol		
2013	2,832,186	1,528,890	14,210	46,501	4,438	4,426,225	34.5%	64.0%	1.1%		
2014	2,734,078	1,502,444	28,618	43,776	3,402	4,312,318	34.8%	63.4%	1.0%		
2015	2,613,348	1,560,671	30,301	54,463	3,583	4,262,366	36.6%	61.3%	1.3%		
2016	2,593,874	1,671,509	29,125	45,502	3,162	4,343,172	38.5%	59.7%	1.0%		
2017	2,448,463	1,775,884	28,598	77,790	1,905	4,332,640	41.0%	56.5%	1.8%		
Growth								% Point Growth			
2013 to 2014	-3.5%	-1.7%	101.4%	-5.9%	-23.3%	-2.6%	0.3%	-0.6%	0.0%		
2014 to 2015	-4.4%	3.9%	5.9%	24.4%	5.3%	-1.2%	1.8%	-2.1%	0.3%		
2015 to 2016	-0.7%	7.1%	-3.9%	-16.5%	-11.7%	1.9%	1.9%	-1.6%	-0.2%		
2016 to 2017	-5.6%	6.2%	-1.8%	71.0%	-39.8%	-0.2%	2.5%	-3.2%	0.7%		

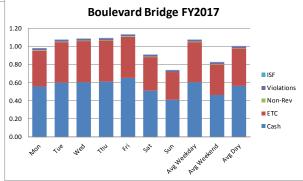


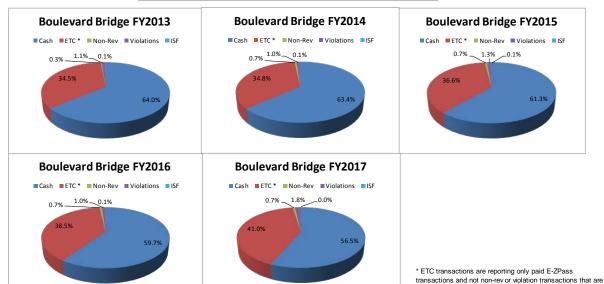
<sup>\*</sup> ETC transactions are reporting only paid E-ZPass transactions and not non-rev or violation transactions that are from E-ZPass





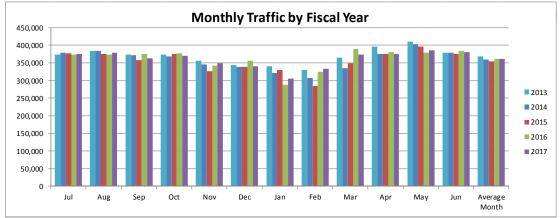


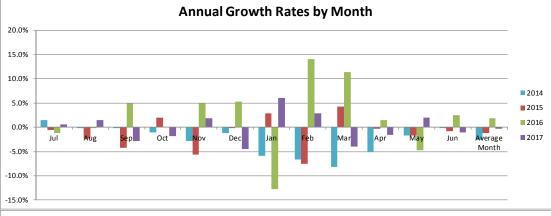


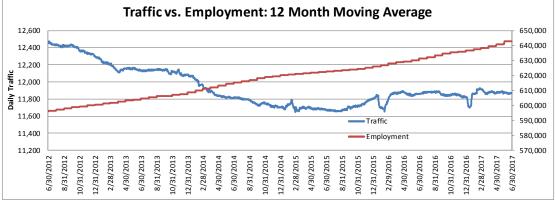




Month	Boulevard Bridge Historical Traffic by Month and Fiscal Year										
	2013	Growth	2014	Growth	2015	Growth	2016	Growth	2017		
Jul	374,084	1.5%	379,698	-0.5%	377,763	-1.1%	373,467	0.6%	375,892		
Aug	384,532	-0.2%	383,673	-2.3%	374,833	-0.2%	374,114	1.5%	379,795		
Sep	373,439	-0.2%	372,729	-4.2%	357,156	4.9%	374,650	-2.8%	364,004		
Oct	373,006	-1.1%	368,857	1.9%	375,948	0.1%	376,452	-1.9%	369,404		
Nov	356,260	-2.8%	346,175	-5.6%	326,653	4.9%	342,743	1.9%	349,129		
Dec	343,295	-1.2%	339,065	-0.1%	338,792	5.3%	356,815	-4.5%	340,830		
Jan	340,968	-5.9%	320,806	2.9%	330,029	-12.7%	288,039	6.1%	305,582		
Feb	329,645	-6.7%	307,558	-7.5%	284,455	14.0%	324,274	2.8%	333,514		
Mar	365,034	-8.2%	335,229	4.3%	349,700	11.4%	389,411	-4.0%	373,905		
Apr	396,410	-5.1%	376,076	-0.3%	374,849	1.5%	380,529	-1.6%	374,606		
May	411,129	-1.7%	404,268	-1.7%	397,262	-4.8%	378,198	1.9%	385,527		
Jun	378,423	-0.1%	378,184	-0.9%	374,926	2.5%	384,480	-1.0%	380,452		
Total	4,426,225	-2.6%	4,312,318	-1.2%	4,262,366	1.9%	4,343,172	-0.2%	4,332,640		









#### 14. Limits and Disclaimers

It is Jacobs' opinion that the traffic and gross toll revenue forecasts provided herein are reasonable and that they have been prepared in accordance with accepted industry-wide practice. However, given the uncertainties in any forecast, it is important to note the following assumptions which, in our opinion, are reasonable:

- This report presents the results of Jacobs' consideration of the information available as of the date hereof and the application of our experience and professional judgment to that information. It is not a guarantee of any future events or trends.
- The traffic and gross toll revenue forecasts will be subject to future economic and social conditions, demographic developments and regional transportation construction activities that cannot be predicted with certainty.
- The forecasts contained in this report, while presented with numeric specificity, are based on a number
  of estimates and assumptions which, though considered reasonable to us, are inherently subject to
  economic and competitive uncertainties and contingencies, most of which are beyond the control of an
  operating agency and cannot be predicted with certainty. In many instances, a broad range of
  alternative assumptions could be considered reasonable. Changes in the assumptions used could
  result in material differences in estimated outcomes.
- Jacobs' traffic and gross toll revenue forecasts only represent our best judgment and we do not warrant
  or represent that the actual gross toll revenues will not vary from our forecasts.
- We do not express any opinion on the following items: socioeconomic and demographic forecasts, proposed land use development projects and potential improvements to the regional transportation network.
- No other competing projects, tolled or non-tolled are assumed to be constructed or significantly
  improved in the project corridor during the project period, as to negatively impact these projects' toll
  traffic, except those identified within this report.
- Major highway improvements that are currently underway or fully funded will be completed as planned.
- The system will be well maintained, efficiently operated, and effectively signed to encourage maximum usage.
- No reduced growth initiatives or related controls that would significantly inhibit normal development patterns will be introduced during the estimate period.
- There will be no future serious protracted recession during the estimate period.
- There will be no protracted fuel shortage during the estimate period.
- No local, regional, or national emergency will arise that will abnormally restrict the use of motor vehicles.

In Jacobs' opinion, the assumptions underlying the study provide a reasonable basis for the analysis. However, any financial projection is subject to uncertainties. Inevitably, some assumptions used to develop the projections will not be realized, and unanticipated events and circumstances may occur. There are likely to be differences

#### **Richmond Metropolitan Transportation Authority**



between the projections and actual results, and those differences may be material. Because of these uncertainties, Jacobs makes no guaranty or warranty with respect to the projections in this Study.

This document, and the opinions, analysis, evaluations, or recommendations contained herein are for the sole use and benefit of the contracting parties. There are no intended third party beneficiaries, and Jacobs Engineering Group, Inc., (and its affiliates) shall have no liability whatsoever to any third parties for any defect, deficiency, error, omission in any statement contained in or in any way related to this document or the services provided.

Neither this document nor any information contained therein or otherwise supplied by Jacobs Engineering Group, Inc. in connection with the study and the services provided to our client shall be used in connection with any financing solicitation, proxy, and proxy statement, proxy soliciting materials, prospectus, Securities Registration Statement or similar document without the express written consent of Jacobs Engineering Group, Inc.