



Chesapeake Expressway Traffic & Revenue Monitoring

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Chesapeake Expressway Background

- May 2001: Chesapeake Expressway was opened to traffic
- Oct 2010: the Chesapeake Transportation System, including the Chesapeake Expressway, was formed
- May 2011: a new toll schedule, including a higher peak summer weekend rate, was implemented
- November 2012: toll revenue bonds for the CTS were issued
- TTFAC requested an update on the performance of system traffic and revenue

Annual Traffic and Revenue

■ Toll increase provided jump in Expressway revenue

Year	Traffic	YoY change	Revenue	YoY change
FY 01-02	3,381,391		\$5,869,474	
FY 02-03	3,630,217	+7.4%	\$6,249,849	6.48%
FY 03-04	4,055,268	+11.7%	\$6,678,718	6.86%
FY 04-05	4,256,094	+5.0%	\$6,911,794	3.49%
FY 05-06	4,367,342	+2.6%	\$7,074,711	2.36%
FY 06-07	4,523,548	+3.6%	\$7,375,691	4.25%
FY 07-08	4,465,932	-1.3%	\$7,217,160	-2.15%
FY 08-09	4,275,071	-4.3%	\$6,910,173	-4.25%
FY 09-10	4,437,355	+3.8%	\$7,097,481	2.71%
FY 10-11	4,355,579	-1.8%	\$8,151,134	14.85%
FY 11-12	3,625,227	-16.8%	\$10,488,113	28.67%
FY 12-13	3,544,063	-2.2%	\$10,288,856	-1.90%

Notes: Values from City's General Ledger

Monthly Traffic and Revenue - FY 12-13 vs. FY 11-12

- Traffic and revenue both decreased in FY 12-13, with the revenues about 2% below forecast

Month	Traffic			Revenue		
	2011-2012	2012-2013	% change	2011-2012	2012-2013	% change
Jul	520,043	479,318	-7.8%	\$ 2,085,921	\$ 1,898,638	-9.0%
Aug	410,042	473,075	15.4%	\$ 1,487,545	\$ 1,796,457	20.8%
Sep	321,102	347,119	8.1%	\$ 953,636	\$ 1,030,763	8.1%
Oct	268,565	257,452	-4.1%	\$ 587,169	\$ 567,212	-3.4%
Nov	230,949	218,245	-5.5%	\$ 483,209	\$ 449,734	-6.9%
Dec	206,244	197,484	-4.2%	\$ 399,377	\$ 389,722	-2.4%
Jan	193,091	184,934	-4.2%	\$ 367,395	\$ 326,301	-11.2%
Feb	190,996	172,667	-9.6%	\$ 368,324	\$ 350,623	-4.8%
Mar	234,631	226,588	-3.4%	\$ 477,671	\$ 362,104	-24.2%
Apr	281,975	248,114	-12.0%	\$ 634,957	\$ 631,348	-0.6%
May	337,366	324,876	-3.7%	\$ 942,992	\$ 892,564	-5.3%
Jun	430,223	414,191	-3.7%	\$ 1,699,917	\$ 1,593,390	-6.3%
Total	3625227	3,544,063	-2.2%	\$ 10,488,113	\$ 10,288,856	-1.9%

Notes: Values from City's General Ledger

Early Comparisons: FY 2012-13 vs. FY 2013-14

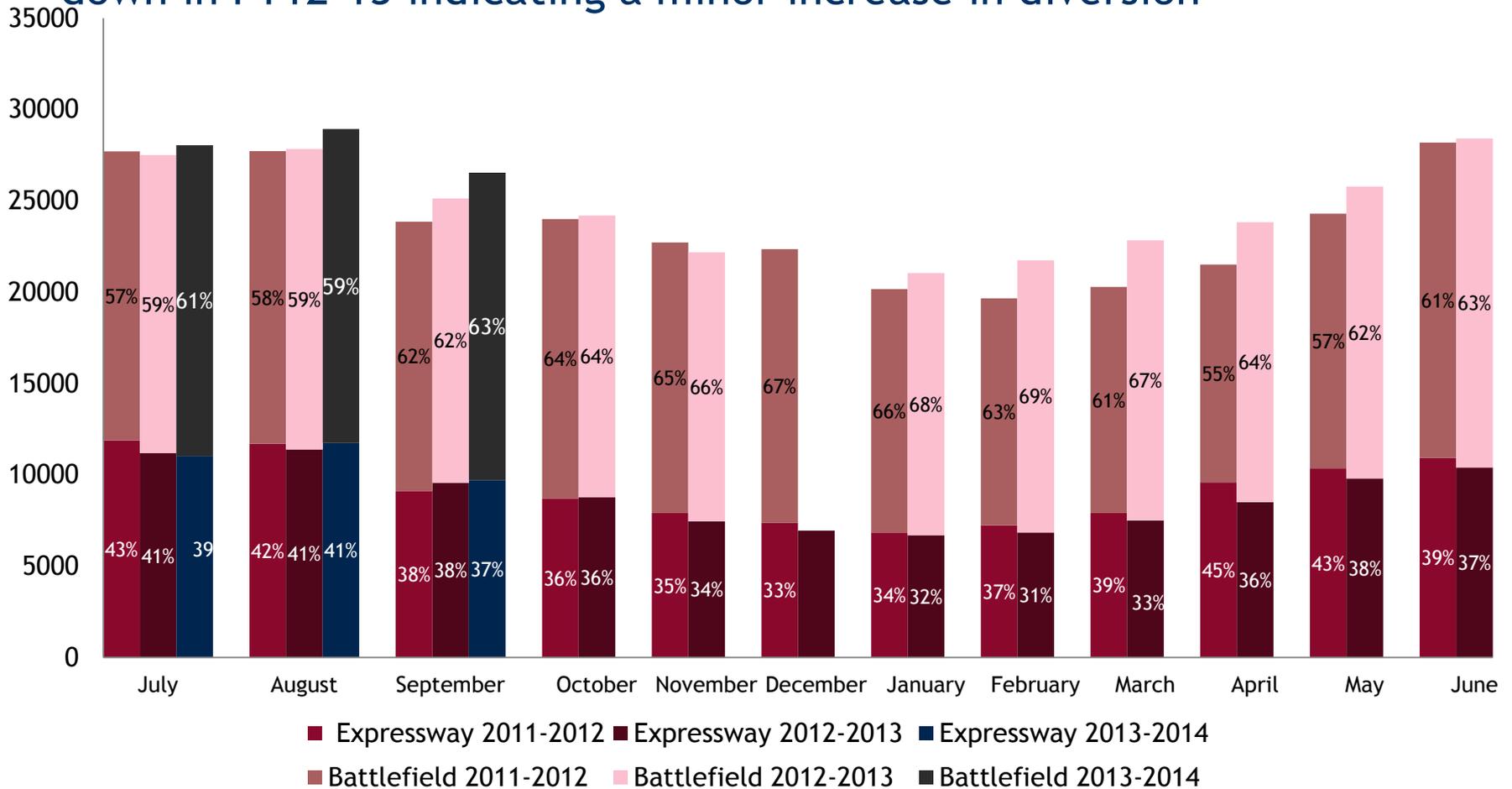
- So far, YOY traffic and revenue are flat (but monthly variations)

	Traffic			Revenue		
Month	2012-2013	2013-14	Growth	2012-2013	2013-14	Growth
July	479,318	456,423	-4.8%	\$ 1,898,638	\$ 1,740,237	-8.3%
August	473,075	498,283	5.3%	\$ 1,796,457	\$ 1,960,695	9.1%
Total	952,393	954,706	0.2%	\$ 3,695,095	\$ 3,700,932	0.2%

Notes: Values from City's General Ledger

Expressway and Battlefield Weekday Corridor Analysis

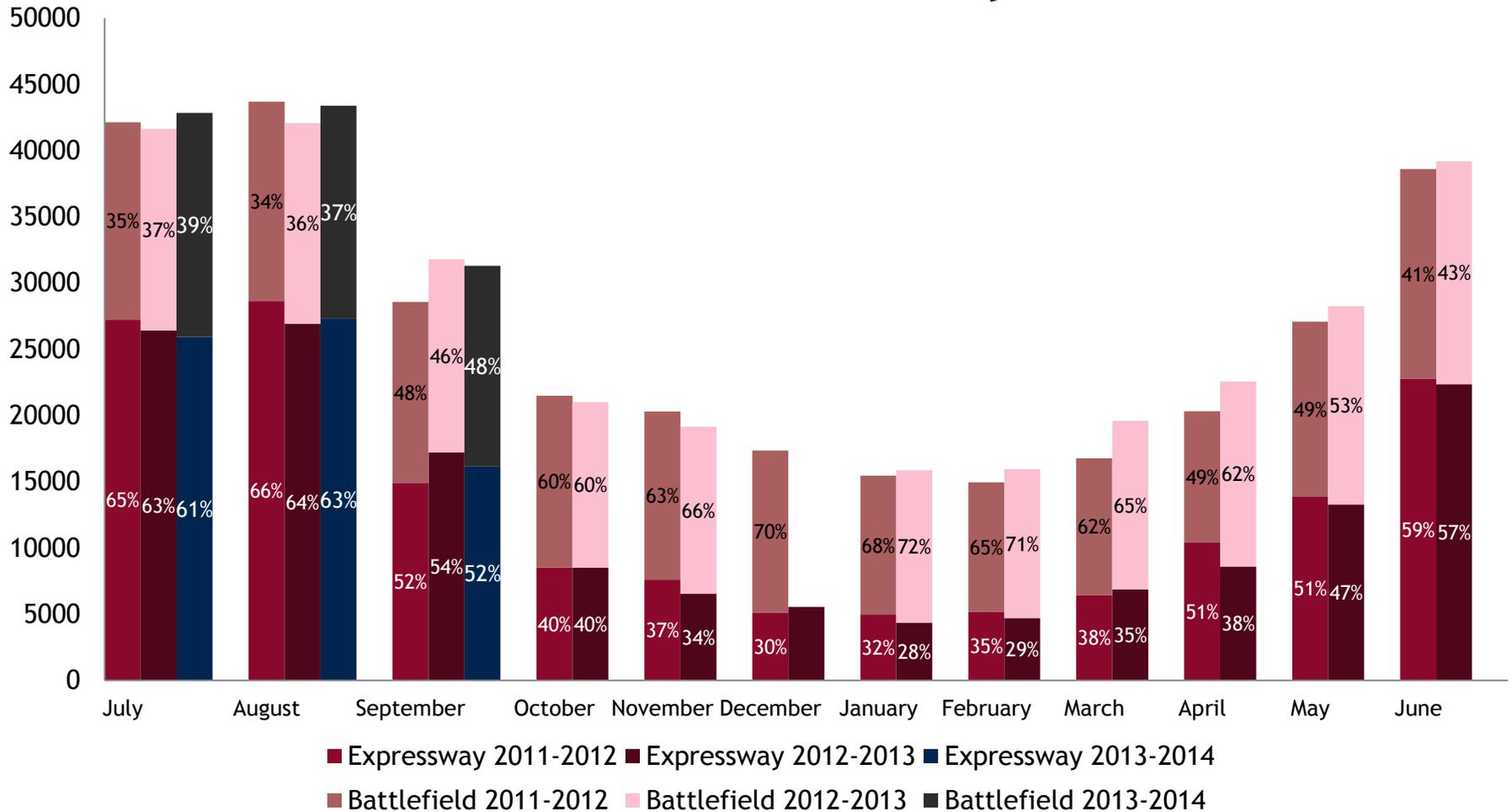
■ Total corridor traffic was up, but Expressway weekday traffic share down in FY12-13 indicating a minor increase in diversion



Notes: Traffic from "ExpresswayBattlefieldComparison", but incomplete data

Expressway and Battlefield Weekend Corridor Analysis

YOY traffic and traffic share varied by month



Notes: Traffic from "ExpresswayBattlefieldComparison", but incomplete data

Types of Vehicles Using the Expressway

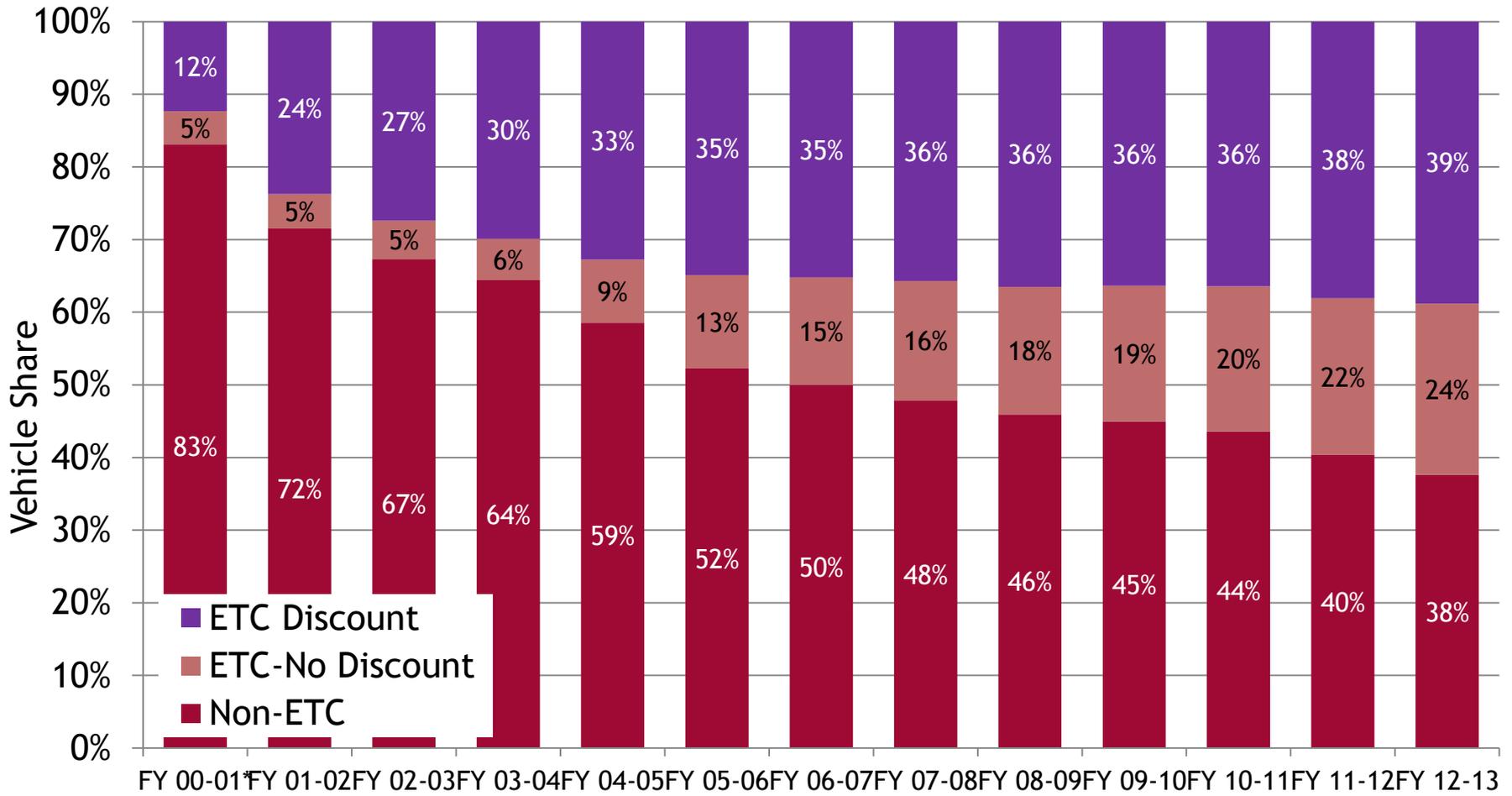
■ Slight increase in share of trucks

Size	FY 2011-12		FY 2012-13	
	Transactions	Share	Transactions	Share
Motorcycles	14,541	0.40%	13,318	0.38%
2-axle	3,480,045	95.96%	3,392,774	95.69%
3-axle	52,052	1.44%	54,324	1.53%
4-axle	28,928	0.80%	29,712	0.84%
5-axle	47,188	1.30%	50,924	1.44%
6-axle	3,376	0.09%	4,386	0.12%
7+-axle	336	0.01%	266	0.01%

Notes: Transaction data from Daily Traffic Activity By Classification reports

Yearly Share of Transactions by Payment Type

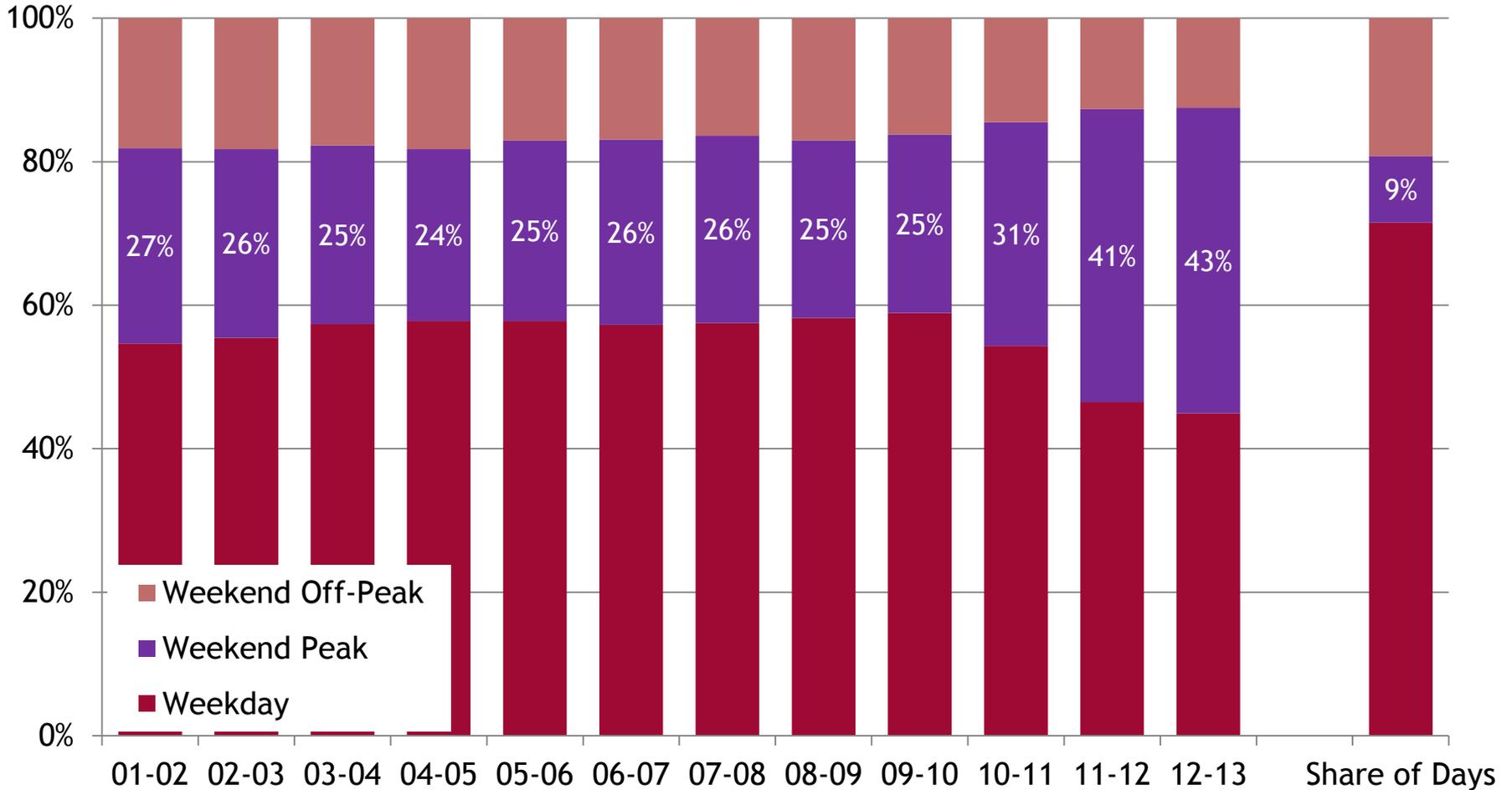
Discount program share of transactions is growing



Notes: Traffic values from "Daily Counts"

Share of Revenue by Day Type

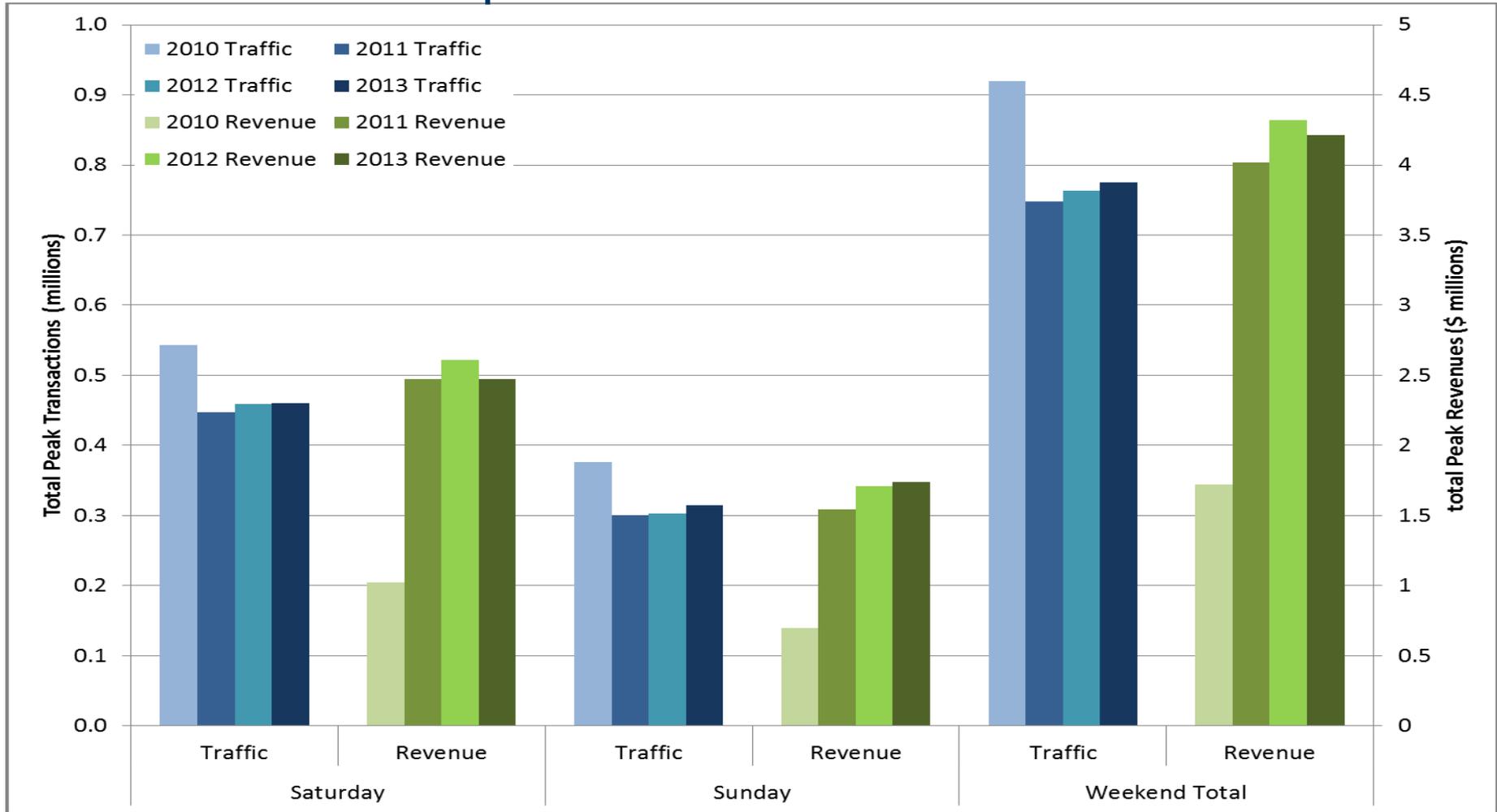
Peak summer weekends continue to provide large share of revenue



Notes: Revenue values calculated from "Cash Receipts Journal"

Peak Season Traffic & Revenue

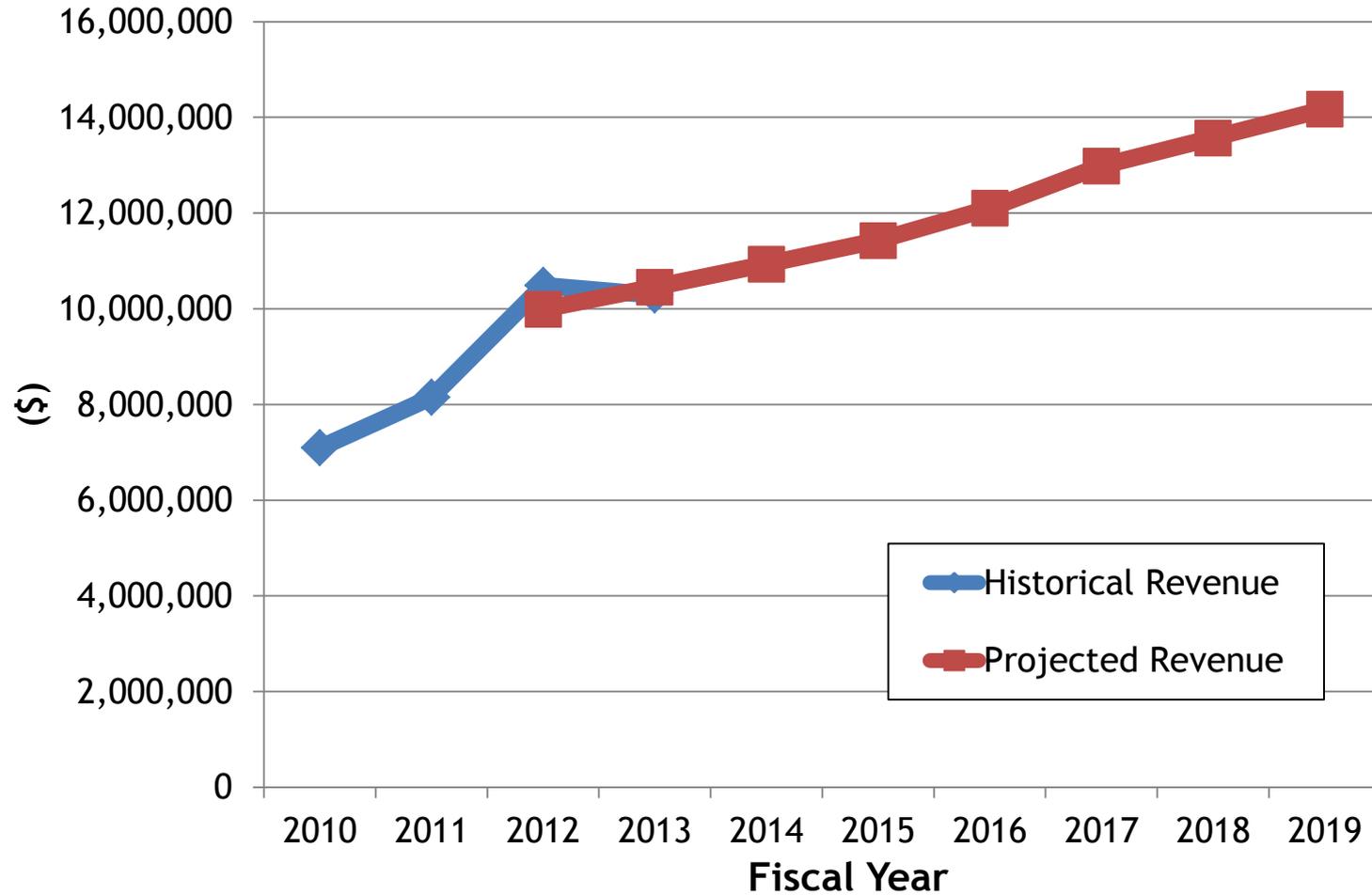
Effectiveness of peak summer weekend toll rates continue



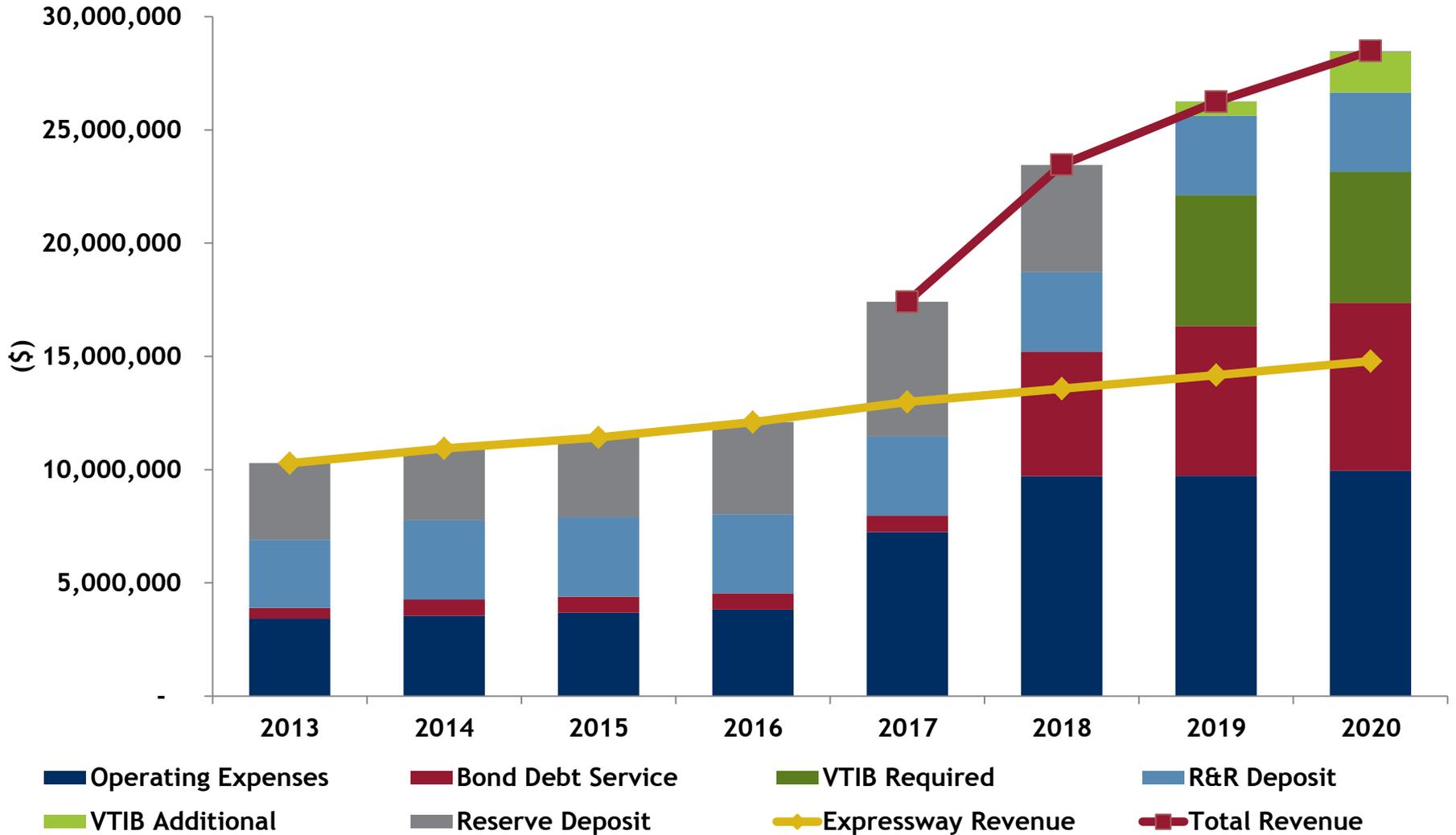
Notes: Revenue values calculated from "Cash Receipts Journal"; traffic from "Daily Counts"

Chesapeake Expressway Actual and Projected Revenue

■ CTS plan of finance includes continued growth of projected revenue



CTS Projected Revenue and Requirements



Chesapeake Expressway Toll Rate Schedule

	<u>Two Axles</u>			<u>Three or More Axles</u>		
	<u>Discount</u>	<u>Peak</u>	<u>Off-Peak</u>	<u>Discount</u>	<u>Peak</u>	<u>Off-Peak</u>
Present - 4/30/16	\$0.75	\$6.00	\$3.00	\$2.00	\$7.00	\$4.00
5/1/16 - 4/30/21	\$0.75	\$8.00	\$3.00	\$2.00	\$9.00	\$4.00
5/1/21 - 4/30/26	\$1.00	\$9.00	\$4.00	\$2.25	\$10.00	\$5.00
5/1/26 - 4/30/31	\$1.00	\$10.00	\$4.00	\$2.25	\$11.00	\$5.00
5/1/31 - 4/30/36	\$1.25	\$11.00	\$5.00	\$2.50	\$12.00	\$6.00

- Notes:
- (1) Peak Tolls shall apply on Saturdays and Sundays beginning the Saturday before Memorial Day weekend through the Sunday after Labor Day weekend. Corresponding dates for 2012 are May 19th to September 9th
 - (2) Tolls collected via E-ZPass and cash. Only E-ZPass users enrolled in the City's Discount Program are entitled to the Discount toll rate - all other E-ZPass users are subject to Peak and Off-Peak rates
 - (3) Motorcycles shall be charged one-third of the 2-axle toll rates (currently \$2.00 Peak, \$1.00 Off-Peak) and are not eligible for the discount program

Observations & Conclusions

- FY 12-13 revenue was down YOY but within 2% of forecast
- YOY monthly comparisons can be difficult due to shifting of weekends, holidays, weather, etc.
- Total corridor levels vary, but permanent counters on Battlefield Blvd. will allow better tracking into the future
- Discount program share of transactions has been growing - this has lead to slight reductions in revenue

- Conclusion: While revenues are slightly down, a toll rate increase earlier than scheduled is not needed at this time, unless the anticipated costs are now much higher than thought at time of bond issuance
 - Continued monitoring is necessary as plan of finance includes increasing revenue levels

Thank you