

Bridges and Tunnels Committee Meeting

January 2019

Committee Members

C. Moerdler, Chair

A. Albert

N. Brown

M. Pally

P. Trottenberg

V. Vanterpool

P. Ward

N. Zuckerman

Bridges & Tunnels Committee Meeting

20th Floor Board Room

New York, NY 10004

Tuesday, 1/22/2019

12:00 - 12:30 PM ET

1. Public Comments Period

2. Approval of Minutes - December 2018

B&T Committee Minutes - December 2018 - Page 3

3. Approval of Committee Work Plan

B&T Committee Work Plan - Page 10

4. Report on Operations - November 2018

B&T Report on Operations - November 2018 - Page 18

5. Safety Report - November 2018

B&T Safety Report - November 2018 - Page 31

6. Report on Cashless Tolling - November 2018

B&T Report on Cashless Tolling - November 2018 - Page 37

7. Financial Report - November 2018

B&T Financial Report - November 2018 - Page 45

8. Capital Program Project Status Report - November 2018

B&T Capital Program Project Status Report - December 2018 - Page 61

9. Procurements - None

Next Meeting: Monday, February 25, 2019 at 11:30 a.m.



Bridges and Tunnels

Minutes of Committee Meeting December 2018

**MONTHLY MEETING OF
TRIBOROUGH BRIDGE AND TUNNEL AUTHORITY COMMITTEE**

December 10, 2018

11:30 a.m.

In attendance were the Honorable:

Charles G. Moerdler, Chairman
Norman E. Brown
Mitchell H. Pally
Polly Trottenberg
Veronica Vanterpool
Neal Zuckerman

Cedrick T. Fulton, President
Brian Bajor, Vice President and Chief Procurement Officer
Karen Blackman-Kong, Assistant General Counsel
Allison C. de Cerreño, Senior Vice President, Business Operations and Transformation Officer
Mildred Chua, Vice President and Chief Financial Officer
Daniel DeCrescenzo, Vice President and Chief of Operations
Steven Hansen, Director, Security Program Management
Lloyd Jairam, Controller
Joseph Keane, Vice President and Chief Engineer
Dennis J. Martin, Executive Vice President
Eric Osnes, Vice President, Safety and Health
Patrick J. Parisi, Vice President, Maintenance and Operations Support
Patrick Smith, Vice President, Human Resources
M. Margaret Terry, Senior Vice President and General Counsel

MONTHLY MEETING OF TRIBOROUGH BRIDGE AND TUNNEL AUTHORITY COMMITTEE

December 10, 2018

Minutes of TBTA Committee held December 10, 2018 at 11:30 a.m. A list of those in attendance is attached.

Public Speakers

There was one public speaker. Murray Bodin, of Concerned Grandparents, who raised issues with speed limit signage and the pagination of the TBTA Committee Book.

Minutes

The Committee members who were present at the Committee Meeting considered and voted to approve the minutes of the Committee Meeting held November 13, 2018, although a Committee Quorum was not present.

Committee Work Plan

Mr. Fulton stated that there are no changes to the Committee Work Plan.

President Fulton's Remarks

Mr. Fulton stated that the New York City Taxi and Limousine Commission (TLC) recently proposed rules to require E-ZPass usage for all for-hire vehicles dispatched by high volume companies such as Uber and Lyft. Yellow taxis have long been required to have E-ZPass, but until this proposal, TLC had not mandated E-ZPass usage for the fast-growing for-hire vehicle sector. These companies are heavy users of TBTA facilities, and therefore the revenue at risk is significant. TBTA identified this risk in its planning for cashless tolling, and worked with TLC staff since then to help them understand the need for this requirement. TBTA supported this proposed rule in the recent public hearing process and thanks to TLC for their assistance in reducing TBTA's revenue risk and lowering its toll collection costs. Finally, Mr. Fulton introduced Allison C. de Cerreño as the new Senior Vice President of Business Operations and Transformation Officer. Allison comes to us from the Port Authority, which she led into the world of Tolls by Mail and oversaw terminal operations and the Port Authority Bus Terminal.

Report on Operations

Mr. DeCrescenzo recognized the efforts of two bridge and tunnel officers at the Bronx-Whitestone Bridge who prevented a motorist from committing suicide. With regard to the Report on Operations for October 2018, Mr. DeCrescenzo stated that traffic was higher by 4.6%. Through October 2018, officers issued 8.4% more speeding summonses.

Safety Report

With regard to the Safety Report for October 2018, Mr. Osnes stated that enforcement of safety regulations and other actions are resulting in significant improvements in customer safety as follows:

- For the 12 months through October 2018, there were 6.56 collisions per million vehicles, which is 19.9% better than the rate of 8.19 for the previous 12 months and 9.9% better than the 7.28 rate for the 12 months ending October 2016.
- The 12-month injury collision rate for October was 0.98 per million vehicles, unchanged from the rate in the previous 12-month period.

Employee and contractor safety metrics are as follows:

- While both employee accident reports and lost time injury rates for the 12 months through October 2018 were higher than in the previous 12 months, both indicators improved from the performance levels reported last month.
- The construction injury rates for the 12 months through October 2018 were 24.4% higher than in the previous 12 months, but 20.1% lower than in the 12 months ending October 2016.

Report on Cashless Tolling

With regard to the Report on Cashless Tolling for October 2018, Ms. Chua stated that TBTA's E-ZPass market share is 94.8% or 1 percentage point higher than the same period last year. For the month of October, we have, for the first time, a full year of revenue collection data available for all facilities. Therefore, this month, we are reporting on revenue collection performance to reflect a 12-month look-back of payments which provides a more complete representation of actual performance levels to date. As of October 2018, the total combined collection rate for all facilities is at 100.4% for transactions in October 2017 when both tolls and fees are considered.

Last month we reported longer call waiting times for the general E-ZPass and violations call units, and this is continued through the month of October. We have been working with our service provider to address these issues and have imposed penalties for not meeting performance standards. For the month of November preliminary performance reports show improvement. While still below established performance standards, the general E-ZPass call queue is averaging 1:48 and the violations call queue is averaging 1:56. While call waiting times have been reduced by more than half from October performance, we will continue to work towards meeting and exceeding performance standards.

Commissioner Zuckerman asked what methodology is used to calculate the revenue collection rates as listed on page 43. Ms. Chua stated that the data from the last 12 months through October 2018 for transactions which averages 100.4% for all facilities in the cashless tolling environment. Commissioner Pally asked if there was a specific reason that the Verrazzano-Narrows Bridge (VNB) is less than 100%. Ms. Chua stated that it is taking the VNB a little longer to get to 100% as there is only one-way tolling at this facility so there are less transactions occurring and therefore less fees as well. Commissioner Pally clarified that there is not a significantly lower payment schedule at the VNB as at other bridges and Ms. Chua confirmed this is not the case.

Financial Report

With regard to the Financial Report for October 2018, Ms. Chua stated that her report compares the results against the July Mid-Year forecast. Through October 2018, toll revenue was \$1.642 billion, which is 0.6% or \$9.2 million better than budget. Traffic through October 2018 was 268.8 million crossings, up against forecast by 1% or 2.7 million crossings. Total expenses through October 2018 were \$414.2 million, which is \$39.3 million or 8.7% lower than forecast. TBTA's support to mass transit was \$931.3 million, which is \$64.6 million or 7.5% better than forecast.

2019 Budget and 2019-2022 Financial Plan Adoption – Action Item

Ms. Chua stated that the November Financial Plan materials are consistent with the information presented to the MTA Board last month and at the special Finance Committee meeting last week. The plan provides sufficient finding to maintain TBTA's commitment to customer service, safety and revenue protection.

The November 2018 forecast includes \$1.435 billion in projected baseline operating income, which is \$34.6 million higher than the mid-year forecast. Toll revenue has been revised to \$1.967 billion, which is \$12.3 million higher than in the July mid-year forecast. Total expenses have been revised downward to \$575.7 million,

which is \$22.4 million lower than in the mid-year forecast. Support to mass transit has been increased to \$1.029 billion in 2018, which is \$45.6 million more than the mid-year forecast.

For 2019, Ms. Chua stated that baseline operating income is projected at \$1.43 billion. Toll revenue has been re-forecast to \$1.984 billion, which is \$14.4 million higher than the July Plan preliminary budget. In 2019, traffic volume is estimated to reach a record high of 323.9 million crossings. Total expenses are projected downward at \$598 million, which is \$14.5 million lower than preliminary budget due to cashless tolling efficiencies. TBTA's support to mass transit in 2019 is projected to be nearly \$980 million, which is \$29.3 million greater than the preliminary budget due to revised TBTA debt service projections and does not include the proposed toll increase. Regarding the budget reduction program, Ms. Chua stated that over the July and November financial plans, the five-year plan was reduced by \$186 million. Most of the reductions are related to re-estimates and efficiencies realized during the first full year of cashless tolling operations. In July, TBTA reduced the headcount solely through attrition by 92 positions on top of 172 positions which were eliminated in prior plans also due to attrition. July savings from these headcount reductions plus a variety of non-labor efficiencies total over \$100 million. Additional non-labor savings primarily through back office re-estimates total \$38 million. Other savings in the November Plan including \$13 million in 2018 vacancy savings and \$2.7 million in 2019 payroll re-estimates. TBTA also realigned major maintenance operating support of capital program which reduced \$31.5 million from 2019-2022.

Commissioner Vanterpool asked whether other state agencies would be contributing to the funding of the collaborative initiatives mentioned in the Proposed 2019 Budget under Major Programmatic Initiatives. Mr. Fulton stated that TBTA identified the issues that have an impact on mobility across our facilities and we have realized that a lot of the challenges are off our facilities so we discuss with our partners and part of the discussion is cost allocation. We are also aware that we need to make sure that we allocate funds toward these initiatives and hopefully we are able to get an agreement with the other agencies, mainly the New York State Department of Transportation and New York City Department of Transportation. The benefits to TBTA customers are significant and real. We are not sure that we can get other agencies to contribute but we are hopeful. Commissioner Vanterpool noted that Department of Homeland Security would probably need to work closely with all of the agencies in this region to maintain the integrity of our security systems so hopefully federal funding would be made available for that. Commissioner Vanterpool also stated that she encourages TBTA to consider variable tolling within the proposed 8% toll increase. A rational tolling strategy is needed.

Upon a motion duly made and seconded, the Committee members who were present at the Committee Meeting considered and voted in favor of the 2019 Final Budget and 2019-2022 Financial Plan, although a Committee Quorum was not present.

Capital Program Status Report

With regard to the Capital Program Status Report for November 2018, Mr. Keane stated that TBTA awarded eight commitments totaling \$264.9 million. The most significant commitment made in November was for the Replacement of the Roadway Deck on the Suspended Spans at the Throgs Neck Bridge for \$262.1 million. In aggregate, 122 commitments totaling \$511 million have been awarded against a plan for 97 commitments totaling \$481.3 million. In November there were two major project completions. The first completion is the Bronx Plaza Structural Rehabilitation at the Robert F. Kennedy Bridge for a value of \$252.6 million. This project was completed eight months ahead of schedule. The second major completion was for Interim Repairs to the Roadway Deck at the Robert F. Kennedy Bridge for a value of \$52.9 million. Year to date, TBTA has completed nine projects with a total value of \$1.176 billion, achieving 135.9% of the year-to-date goal of \$868.3 million and 82% of the annual completion goal of \$1.43 billion. There were five closeouts in November bringing the year-to-date closeout total to \$145.7 million.

Procurements

For November 2018, Mr. Bajor stated that there are two procurements in the amount of \$123.33 million.

Non-Competitive Procurements

Mr. Bajor stated that there are no non-competitive procurements.

Competitive Procurements

Mr. Bajor stated that there are two competitive procurements totaling \$123.33 million. There are two competitively solicited Design-Build contracts. One is for rehabilitation of the ventilation system and installation of a prototype fixed fire suppression system at the Hugh L. Carey Tunnel in the negotiated amount of \$70.75 million and the other is for the replacement of the fender systems and scour protection at the Cross Bay Bridge and the replacement of the fender system at the Marine Parkway Bridge in the negotiated amount of \$52.58 million.

Competitive Requests for Proposals (Award of Purchase and Public Works Contracts)

Navillus Tile, Inc. dba, Navillus Contracting	Contract No. HC-07 TBTA is seeking Board approval under the All-Agency General Contract Procurement Guidelines to award a competitively solicited public work contract for design-build services for the ventilation system rehabilitation and installation of a fixed fire suppression prototype system at the Hugh L. Carey Tunnel (HCT).	\$70,750,000.00
D'Onofrio General Contractors Corp.	Contract No. CB-18 TBTA is seeking Board approval under the All-Agency General Contract Procurement Guidelines to award a competitively solicited public work contract for Design-Build Services for Replacement of Fender Systems and Scour Protection at Cross Bay Veterans Memorial Bridge (CBB) and Replacement of Fender Systems at Marine Parkway-Gil Hodges Memorial Bridge (MPB).	\$52,583,000.00

Mr. Bajor stated that there are no ratifications.

Upon a motion duly made and seconded, the Committee members who were present at the Committee Meeting considered and voted in favor of the competitive procurements, by a vote of three (3) in favor and none against, although a Committee Quorum was not present.

Diversity Report – Third Quarter 2018

Ms. Blackman-Kong referred the Committee members to the TBTA Diversity Report in the Committee materials. TBTA's total workforce is currently comprised of 1,360 employees; of which 22% are females, 55% are minorities and 6% are veterans. The total workforce is 6% smaller than in the third quarter of 2017, a decrease

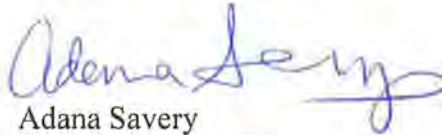
of 81 positions. Specifically, there were 327 females within the workforce in 2017, as compared to 304 within the workforce in 2018. With respect to minorities, there were 793 within the workforce in 2017, compared to 750 in 2018. TBTA hired 34 employees, of which 38% were females and 62% were minorities and 0% were veterans. Although females and minorities were hired at a rate above their current representation in the workforce in 2018, there was less female and minority representation in the third quarter because of attrition and current hiring restrictions. Specifically, TBTA hired 81 females and 118 minorities in 2017, compared to 2018 third quarter, TBTA hired at a conservative rate of 13 females and 22 minorities. TBTA EEO and Title VI case load included 7 EEO complaints, citing 14 separate allegations. There were 5 internal complaints and 2 external complaints. There were no Title VI cases in the third quarter of 2018.

Commissioner Vanterpool clarified that at last month's meeting she mistakenly stated that all of the operating agencies, including TBTA, had ruled on all of the Title VI complaints in their favor. TBTA did not have any such complaints.

Adjournment

There being no further business before the Committee, the meeting adjourned.

Respectfully submitted,



Adana Savery
Assistant Secretary



Bridges and Tunnels

Committee Work Plan

BRIDGES & TUNNELS COMMITTEE WORK PLAN

I. RECURRING AGENDA ITEMS

TOPIC

Approval of Minutes
Committee Work Plan
Report on Operations
Safety Report
Financial Report
Report on Cashless Tolling
Capital Program Project Status Report

Procurements
Action Items (if any)

Responsibility

Committee Chair & Members
Committee Chair & Members
Revenue Management
Safety & Health
Controller/Planning & Budget
Revenue Management
Engineering & Construction/
Planning & Budget
Procurement & Materials

II. SPECIFIC AGENDA ITEMS

Responsibility

January 2019

Approval of 2019 Work Plan

Committee Chair & Members

February 2019

Preliminary Review of 2018 Operating Budget Results
2019 Adopted Budget/Financial Plan 2019-2022
2018 B&T Operating Surplus
Customer Environment Survey – 4th Quarter 2018
Diversity Report – 4th Quarter 2018

Planning & Budget
Planning & Budget
Controller
Operations
EEO

March 2019

Annual Procurement Contracts Report

Procurement & Materials/
Finance

April 2019

Final Review of 2018 Year-End Operating Results

Planning & Budget

May 2019

Customer Environment Survey – 1st Quarter 2019
Diversity Report – 1st Quarter 2019

Operations
EEO

June 2019

No items scheduled.

July 2019

No items scheduled.

August 2019

No meeting scheduled.

September 2019

Customer Environment Survey – 2nd Quarter 2018
2019 Preliminary Budget
Diversity Report – 2nd Quarter 2019

Operations
Planning & Budget
EEO

October 2019

2020 Preliminary Budget

Planning & Budget

November 2019

Customer Environment Survey – 3rd Quarter 2019

Operations

December 2019

2020 Proposed Committee Work Plan
2020 Proposed Final Budget
Diversity Report – 3rd Quarter 2019

Committee Chair & Members
Planning & Budget
EEO

BRIDGES & TUNNELS COMMITTEE WORK PLAN

Detailed Summary

I. RECURRING

Approval of Minutes

Approval of the official proceedings of the Committee Meeting.

Report on Operations

Summary of major B&T service indicators, including graphs and tables depicting total traffic for all facilities, 12 month rolling traffic averages, traffic by facility, and factors that can impact B&T traffic such as weather and gasoline prices. The Report on Operations is provided on a two-month lag, except in September when it includes reports with June and July data.

Safety Report

A compilation of key leading and lagging customer and employee safety indicators, including collision rates, employee lost time injury rates, construction injury rates, and leading indicators for roadway, construction, and fire safety. The Safety Report is provided on a two month lag, except in September when it includes reports with June and July data.

Report on Cashless Tolling

Summary presentation of information about cashless tolling performance, including figures for E-ZPass and Tolls by Mail traffic, revenue collection and the E-ZPass customer service center. This report contains data on overall E-ZPass market share, average traffic and traffic shares in peak and non-peak periods, revenue collection rates by facility, E-ZPass accounts and service metrics, and an E-ZPass market share chart. The Report on Cashless Tolling is provided on a two month lag, except in September when it includes reports with June and July data.

Financial Report

Summary presentation of the financial indicators for the month, which includes the Balance Sheet for the reported month, Accrual Statement of Operations for the month and year-to-date, variance analysis, traffic volume and ridership information, and headcount charts. The Financial Report is provided on a two-month lag, except in the month of September, at which time it includes the June and July reports.

Capital Program Project Status Report

Summary of the status of the current capital program, including commitments, completions, and closeouts, in addition to graphic presentations of the commitments and completions for the plan vs. actuals for the year. The Capital Program Project Status Report is provided on a one-month lag, except in the month of September, at which time it includes the July and August reports.

Procurements

List of procurement action items requiring Board approval. The non-competitive items are listed first, followed by competitive items, and then ratifications. The list will indicate items that require a 2/3 vote and a majority vote of the Board for approval. Procurements are for the current month; in the month of September, the August and September procurements are included.

Staff summary documents presented to the Board for approval for items affecting business standards and practices.

II. SPECIFIC AGENDA ITEMS

JANUARY 2019

Approval of Work Plan for 2019

The committee will have already received a draft work plan for 2019 at the December 2018 meeting. The committee will be requested to approve the amended work plan for the year.

FEBRUARY 2019

Preliminary Review of 2018 Operating Budget Results

The agency will present a brief review of its 2018 Operating Budget results.

2019 Adopted Budget and February Financial Plan 2019-2022

The Agency will present its revised 2018 Adopted Budget and Financial Plan which will incorporate any changes made by the Board at the December 2018 meeting and any Agency technical adjustments.

2018 B&T Operating Surplus

The Committee will recommend action to the Board.

Customer Environment Survey – 4th Quarter 2018

Review and discuss key customer service areas: improve customer service and traffic mobility at all facilities; ensure the safety of customers traveling over the bridges and tunnels; and enhance the customer environment of bridge and tunnel facilities.

Diversity Report – 4th Quarter 2018

Review and discuss workforce analysis and activities as presented to the Board's Diversity Committee Quarterly meeting.

MARCH 2019

Annual Procurement Contracts Report

This report contains information on contracts awarded during the previous fiscal year and contracts open from the previous years as required by Section 2879 of the State Public Authorities Law.

APRIL 2019

Final Review of 2018 Year-End Operating Results

The customary review of prior year's budget results and their implications for current and future budget performance will be presented to the Committee. Each Agency will present for inclusion in the Agenda materials, and be prepared to answer questions, on a review of its experience. The MTA Budget Division will prepare an overall review also for inclusion in the materials that draws MTA-wide conclusions.

MAY 2019

Customer Environment Survey – 1st Quarter 2019

Review and discuss key customer service areas: improve customer service and traffic mobility at all facilities; ensure the safety of customers traveling over the bridges and tunnels; and enhance the customer environment of bridge and tunnel facilities.

Diversity Report – 1st Quarter 2019

Review and discuss workforce analysis and activities as presented to the Board's Diversity Committee Quarterly meeting.

JUNE 2019

No items scheduled.

JULY 2019

No items scheduled.

AUGUST 2019

No meeting scheduled.

SEPTEMBER 2019

Customer Environment Survey – 2nd Quarter 2019

Review and discuss key customer service areas: improve customer service and traffic mobility at all facilities; ensure the safety of customers traveling over the bridges and tunnels; and enhance the customer environment of bridge and tunnel facilities.

2020 Preliminary Budget

Agency will present highlights of the Preliminary Budget to the Committee. Public comment will be accepted on the 2019 Preliminary Budget.

Diversity Report – 2nd Quarter 2019

Review and discuss workforce analysis and activities as presented to the Board's Diversity Committee Quarterly meeting.

OCTOBER 2019

2020 Preliminary Budget

Public comment will be accepted on the 2020 Preliminary Budget.

NOVEMBER 2019

Customer Environment Survey – 3rd Quarter 2019

Review and discuss key customer service areas: improve customer service and traffic mobility at all facilities; ensure the safety of customers traveling over the bridges and tunnels; and enhance the customer environment of bridge and tunnel facilities.

DECEMBER 2019

2020 Proposed Committee Work Plan

The Committee Chair will present a draft Bridges and Tunnels Committee Work Plan for 2020 that will address initiatives to be reported throughout the year.

2020 Proposed Final Budget

The Committee will recommend action to the Board.

Diversity Report – 3rd Quarter 2019

Review and discuss workforce analysis and activities as presented to the Board's Diversity Committee Quarterly meeting.



Bridges and Tunnels

Report on Operations November 2018



MTA Bridges and Tunnels November 2018 Traffic Trends

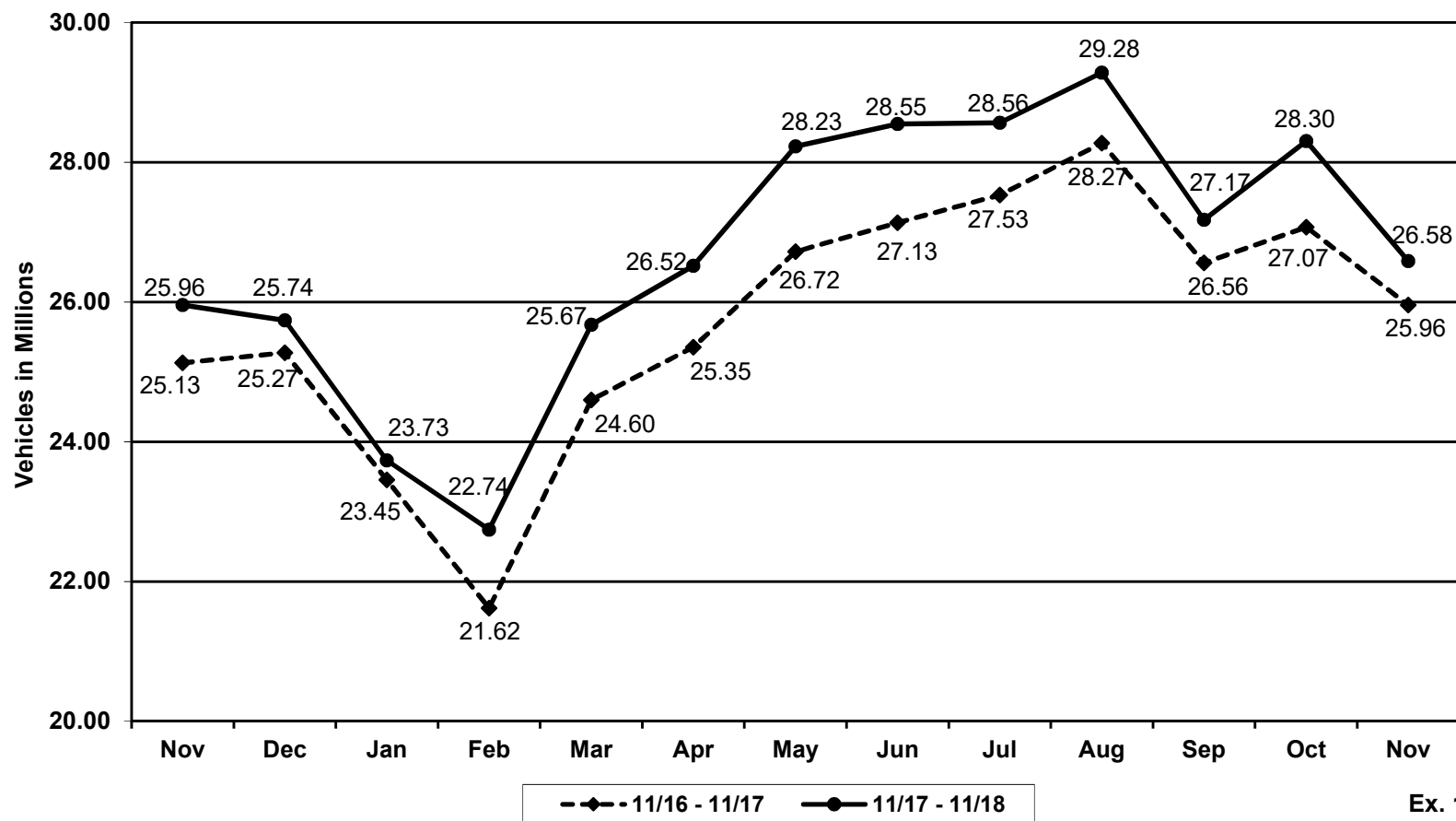
Summary

Traffic was higher on a year-to-year basis, with 26.6 million crossings this month vs. 26.0 million crossings in November 2017, an increase of 2.4% (Exhibit 1).

E-ZPass volume increased by 3.6% on a year-to-year basis for the month while crossings using Tolls by Mail declined 14.7% (Exhibit 7). Passenger car travel increased 2.7% and other vehicle travel decreased 1.6% from November 2017 (Exhibit 8).

The year-to-year increase in passenger car volume was primarily due to increased tunnel traffic due to the completion of construction since last November. The trend of increasing B&T traffic due to economic conditions and other factors continued in November, but was partially offset by unfavorable impacts associated with weather indicators and gas prices. There were 15 days of precipitation this year, including 7.1 inches of rain and 4.7 inches of snow, compared to 2.1 inches of rain over 8 days and no snow last year. Gas prices averaged \$2.85 per gallon this November, which was \$0.19 more than last year at this time.

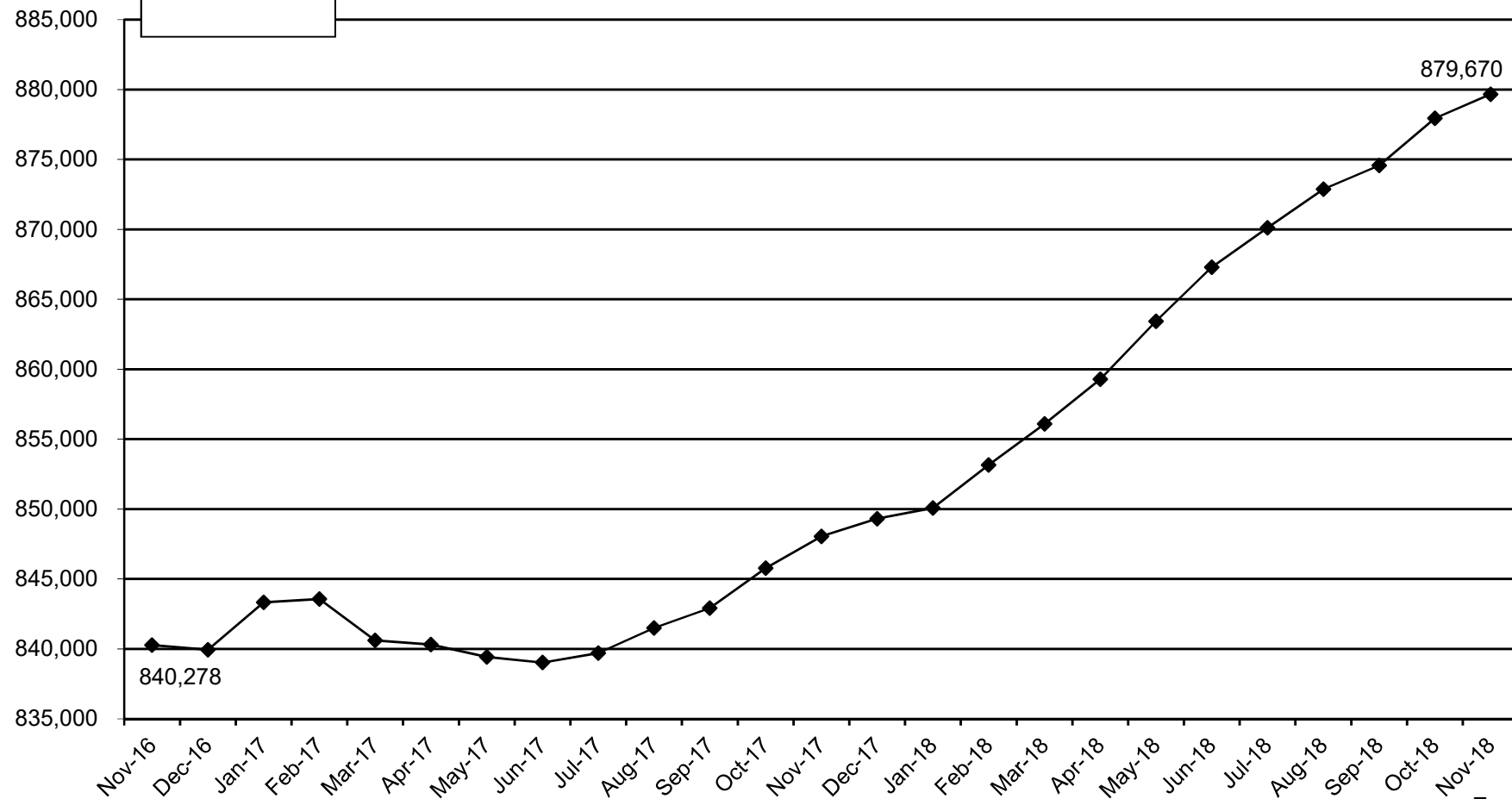
MTA Bridges and Tunnels Traffic Volume - All Facilities Two Years Ending November 2018



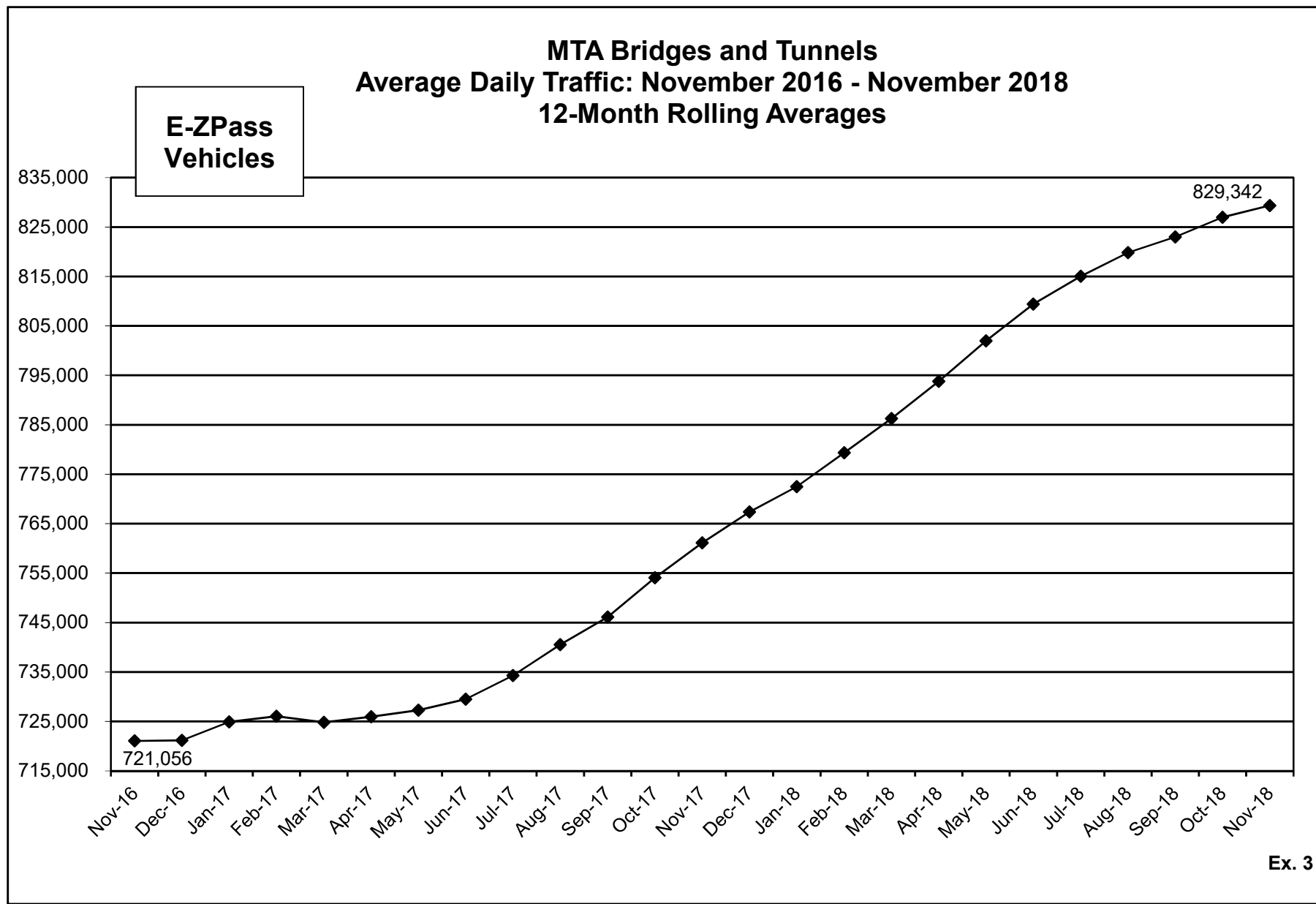
Ex. 1

MTA Bridges and Tunnels
Average Daily Traffic: November 2016 - November 2018
12-Month Rolling Averages

All Vehicles

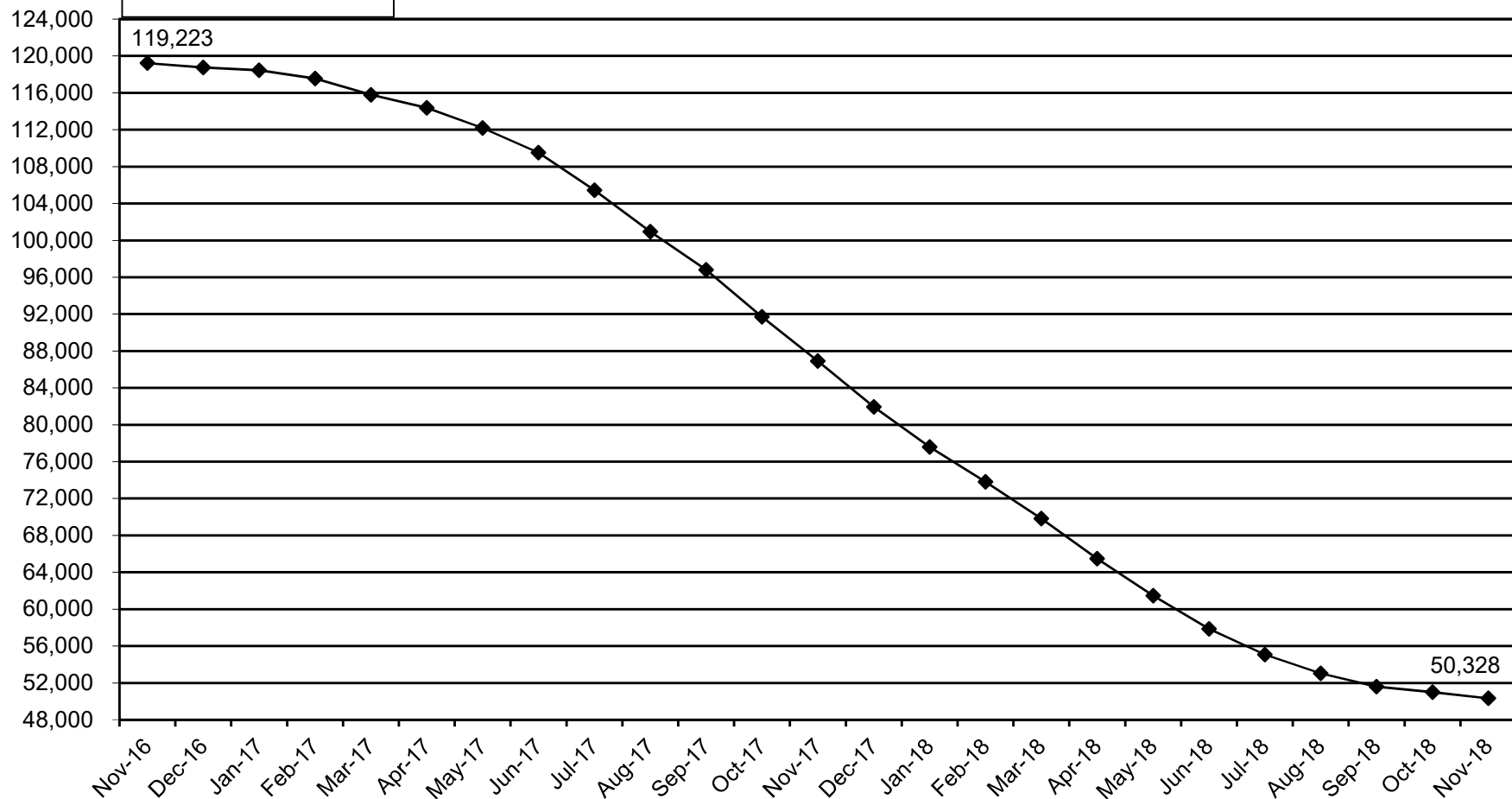


Ex. 2



MTA Bridges and Tunnels
Average Daily Traffic: November 2016 - November 2018
12-Month Rolling Averages

**Non-E-ZPass
Vehicles***

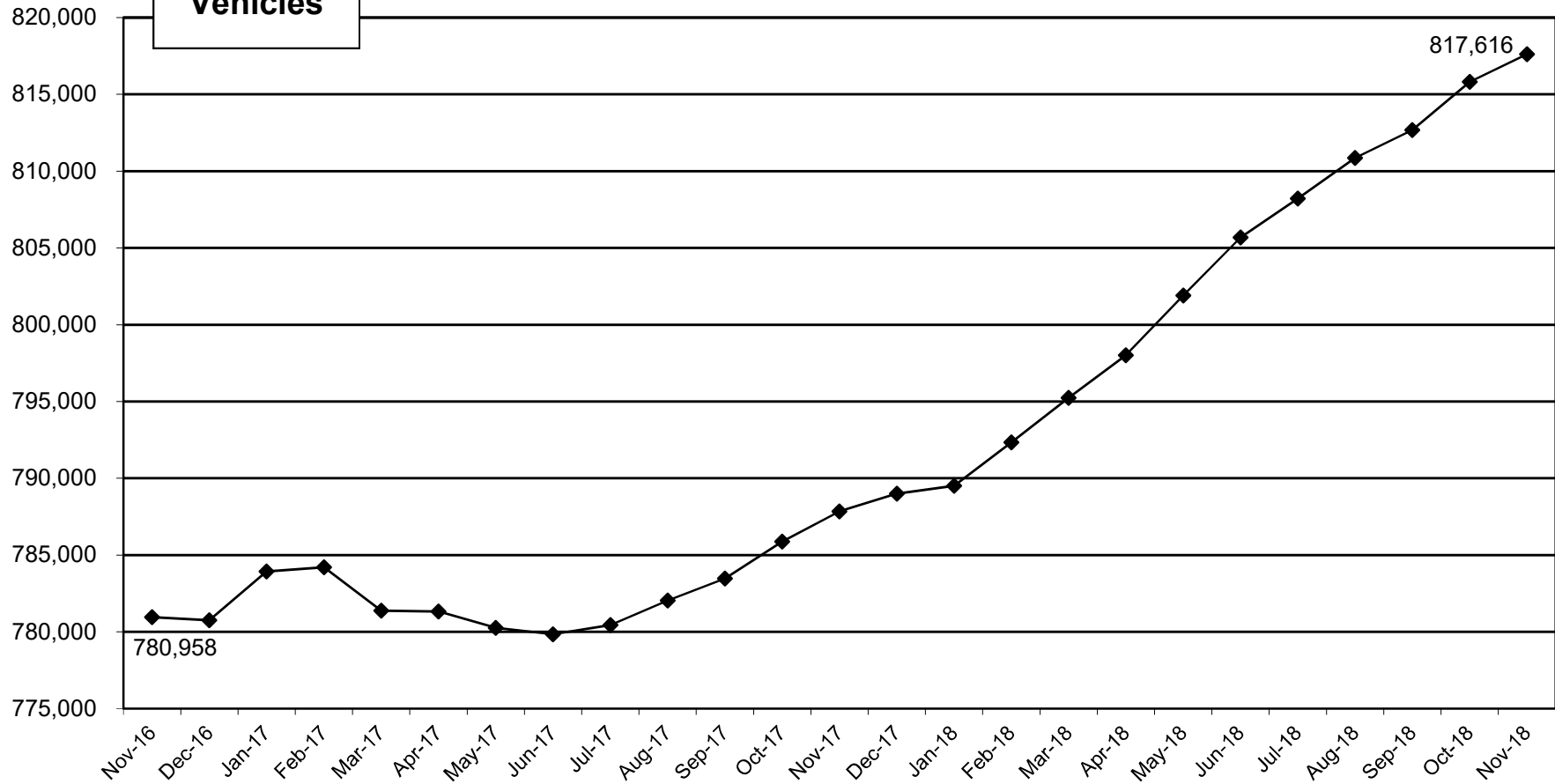


**Includes Tolls by Mail, cash, token, and ticket transactions.*

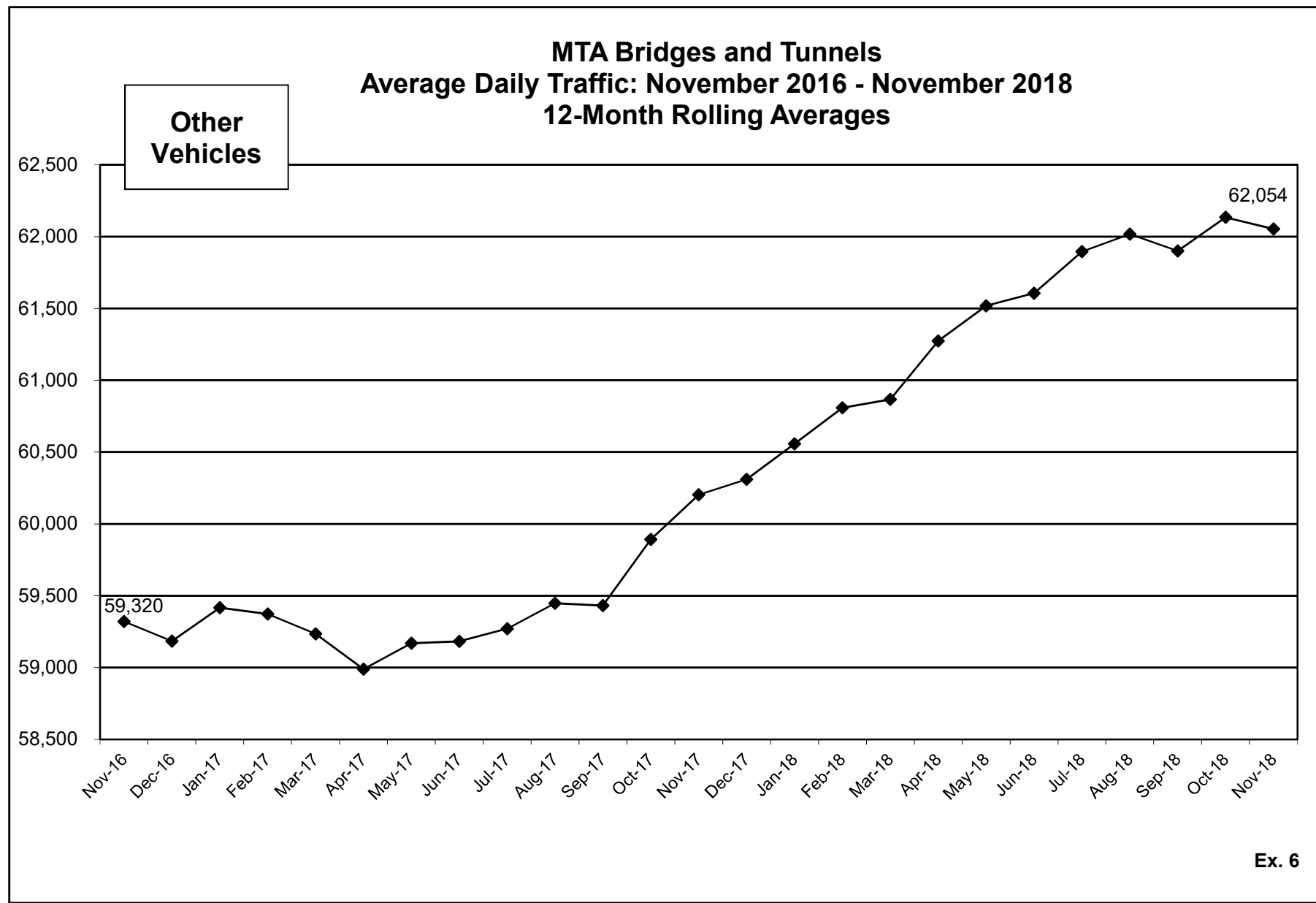
Ex. 4

MTA Bridges and Tunnels
Average Daily Traffic: November 2016 - November 2018
12-Month Rolling Averages

**Passenger
Vehicles**



Ex. 5



MTA Bridges and Tunnels
Percent Change in Average Daily Traffic by Toll Media

Corridor	Toll Media	Nov(1)	3 Months(2) (Sep-Nov)	6 Months(3) (Jun-Nov)	9 Months(4) (Mar-Nov)	12 Months(5) (Dec-Nov)
All Facilities	Total Vehicles	2.4%	3.1%	3.6%	4.0%	3.7%
	E-ZPass	3.6%	4.7%	6.7%	8.4%	9.0%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-14.7%	-18.2%	-29.6%	-37.8%	-42.1%
RFK Bridge	Total Vehicles	-2.3%	-1.3%	1.0%	4.2%	4.3%
	E-ZPass	-1.0%	0.0%	3.5%	8.9%	10.5%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-20.6%	-18.0%	-25.4%	-36.8%	-42.9%
Queens Midtown Tunnel Hugh L. Carey Tunnel	Total Vehicles	15.5%	14.4%	10.9%	9.2%	7.8%
	E-ZPass	16.0%	15.0%	12.0%	10.5%	9.6%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	3.8%	2.4%	-9.1%	-15.7%	-23.2%
Bronx-Whitestone Bridge Throgs Neck Bridge	Total Vehicles	1.7%	3.3%	3.7%	1.4%	2.6%
	E-ZPass	3.5%	6.7%	10.0%	5.6%	10.6%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-18.0%	-28.0%	-40.4%	-39.5%	-46.8%
Verrazano-Narrows Bridge	Total Vehicles	1.9%	2.3%	3.9%	4.0%	3.9%
	E-ZPass	2.8%	3.0%	6.1%	8.0%	8.9%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-14.2%	-10.4%	-25.8%	-40.0%	-45.2%
Henry Hudson Bridge	Total Vehicles	-1.1%	-0.1%	-0.1%	0.6%	0.9%
	E-ZPass	-1.2%	0.2%	0.4%	1.3%	1.8%
	Tolls By Mail	0.2%	-6.4%	-9.3%	-11.7%	-14.4%
Marine Parkway Bridge Cross Bay Bridge	Total Vehicles	-0.6%	-0.6%	-0.2%	0.9%	1.0%
	E-ZPass	0.3%	0.4%	1.6%	3.6%	4.7%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-19.2%	-19.1%	-26.0%	-35.2%	-42.2%

(1) November 2018 vs. November 2017

(2) September 2018 to November 2018 vs. September 2017 to November 2017

(3) June 2018 to November 2018 vs. June 2017 to November 2017

(4) March 2018 to November 2018 vs. March 2017 to November 2017

(5) December 2017 to November 2018 vs. December 2016 to November 2017

(6) Includes tokens and tickets

(7) Tolls by Mail was implemented on the following schedule in 2017: Hugh L. Carey Tunnel, January 4; Queens Midtown Tunnel, January 10; Marine Parkway and Cross Bay Bridges, April 30; RFK Bridge, June 15; Verrazano-Narrows Bridge, July 8; Throgs Neck and Bronx-Whitestone Bridges, September 30

Ex. 7

MTA Bridges and Tunnels
Percent Change in Average Daily Traffic by Vehicle Type

Corridor	Toll Media	Nov(1)	3 Months(2) (Sep-Nov)	6 Months(3) (Jun-Nov)	9 Months(4) (Mar-Nov)	12 Months(5) (Dec-Nov)
All Facilities	Total Vehicles	2.4%	3.1%	3.6%	4.0%	3.7%
	Passenger	2.7%	3.3%	3.8%	4.2%	3.8%
	Other	-1.6%	0.2%	1.7%	2.7%	3.1%
RFK Bridge	Total Vehicles	-2.3%	-1.3%	1.0%	4.2%	4.3%
	Passenger	-2.1%	-1.2%	1.1%	4.4%	4.3%
	Other	-5.1%	-2.8%	0.3%	2.8%	3.7%
Queens Midtown Tunnel Hugh L. Carey Tunnel	Total Vehicles	15.5%	14.4%	10.9%	9.2%	7.8%
	Passenger	16.9%	15.8%	12.1%	10.2%	8.7%
	Other	-1.2%	-1.8%	-2.6%	-2.6%	-2.9%
Bronx-Whitestone Bridge Throgs Neck Bridge	Total Vehicles	1.7%	3.3%	3.7%	1.4%	2.6%
	Passenger	1.8%	3.3%	3.7%	1.4%	2.5%
	Other	1.0%	3.5%	4.1%	1.0%	3.2%
Verrazano-Narrows Bridge	Total Vehicles	1.9%	2.3%	3.9%	4.0%	3.9%
	Passenger	2.1%	2.4%	3.9%	3.9%	3.8%
	Other	-0.6%	0.9%	3.4%	4.8%	5.7%
Henry Hudson Bridge	Total Vehicles	-1.1%	-0.1%	-0.1%	0.6%	0.9%
	Passenger	-1.0%	-0.1%	-0.1%	0.6%	0.8%
	Other	-14.4%	-7.7%	-7.1%	-0.9%	7.8%
Marine Parkway Bridge Cross Bay Bridge	Total Vehicles	-0.6%	-0.6%	-0.2%	0.9%	1.0%
	Passenger	-0.3%	-0.4%	-0.1%	0.6%	0.7%
	Other	-4.9%	-3.5%	-0.5%	4.5%	6.4%

(1) November 2018 vs. November 2017

(2) September 2018 to November 2018 vs. September 2017 to November 2017

(3) June 2018 to November 2018 vs. June 2017 to November 2017

(4) March 2018 to November 2018 vs. March 2017 to November 2017

(5) December 2017 to November 2018 vs. December 2016 to November 2017

Ex. 8

Supplemental Data Page for the Report on Operations

Traffic & Average Gas Price ⁽¹⁾			Weather ⁽²⁾			Precipitation
<u>Month</u>	<u>Traffic</u>	<u>Gas</u>	<u>Average Temperature</u>	<u>Rain Inches</u>	<u>Snow Inches</u>	<u>Days</u>
Nov-16	25,130,058	\$2.39	53	5.4	-	8
Dec-16	25,273,158	\$2.44	40	3.0	3.0	10
Jan-17	23,452,652	\$2.54	40	3.9	10.1	15
Feb-17	21,620,767	\$2.49	44	2.0	10.3	6
Mar-17 ⁽³⁾	24,595,618	\$2.44	41	4.7	9.8	10
Apr-17	25,354,830	\$2.52	58	4.1	-	12
May-17	26,717,750	\$2.51	63	6.0	-	12
Jun-17	27,133,265	\$2.49	74	4.2	-	9
Jul-17	27,530,620	\$2.44	79	4.3	-	8
Aug-17	28,271,494	\$2.51	76	3.3	-	13
Sep-17	26,559,138	\$2.83	72	1.8	-	5
Oct-17	27,068,258	\$2.65	66	3.8	-	9
Nov-17	25,955,869	\$2.66	66	2.1	-	8
Dec-17	25,737,055	\$2.62	39	2.0	7.2	9
Jan-18	23,731,837	\$2.69	32	2.1	8.7	7
Feb-18	22,742,698	\$2.75	43	5.9	4.9	17
Mar-18	25,672,596	\$2.68	41	4.1	11.6	11
Apr-18	26,519,055	\$2.81	50	5.0	5.5	13
May-18	28,226,943	\$3.02	68	3.2	-	13
Jun-18	28,546,822	\$3.07	73	3.6	-	14
Jul-18	28,561,622	\$3.00	80	5.3	-	11
Aug-18	29,280,095	\$2.99	81	6.7	-	14
Sep-18	27,174,912	\$2.98	73	5.9	-	13
Oct-18	28,301,354	\$2.97	60	3.0	-	11
Nov-18	26,584,618	\$2.85	46	7.1	4.7	15

Note: Bold numbers are preliminary.

TABLE 2 - Year-over-Year Differences

Traffic & Gas Monthly Inc/(Dec)			Weather Monthly Inc/(Dec)			Precipitation
<u>Month</u>	<u>Traffic</u>	<u>Gas</u>	<u>Average Temperature</u>	<u>Rain Inches</u>	<u>Snow Inches</u>	<u>Days</u>
2017 vs. 2016						
November	825,811	\$0.27	13	(3.3)	-	0
December	463,897	\$0.18	(1)	(1.0)	4	(1)
2018 vs. 2017						
January	279,185	\$0.15	(8)	(1.8)	(1)	(8)
February	1,121,931	\$0.26	(1)	3.9	(5)	11
March	1,076,978	\$0.24	0	(0.6)	2	1
April	1,164,225	\$0.29	(8)	0.9	6	1
May	1,509,193	\$0.51	5	(2.8)	-	1
June	1,413,557	\$0.58	(1)	(0.6)	-	5
July	1,031,002	\$0.56	1	1.0	-	3
August	1,008,601	\$0.48	5	3.4	-	1
September	615,774	\$0.15	1	4.1	-	8
October	1,233,096	\$0.32	(6)	(0.8)	-	2
November	628,749	\$0.19	(20)	5.0	5	7

1. Average gasoline (all types) price per gallon data are from the U.S. Bureau of Labor Statistics, NY-NJ-CT-PA area.
2. Local weather data are from the National Weather Service, LaGuardia Airport Station.
3. Toll Increase, March 19, 2017

Supplemental Data Page for Exhibits 2 through 6

Average Daily Traffic: 12-Month Rolling Averages

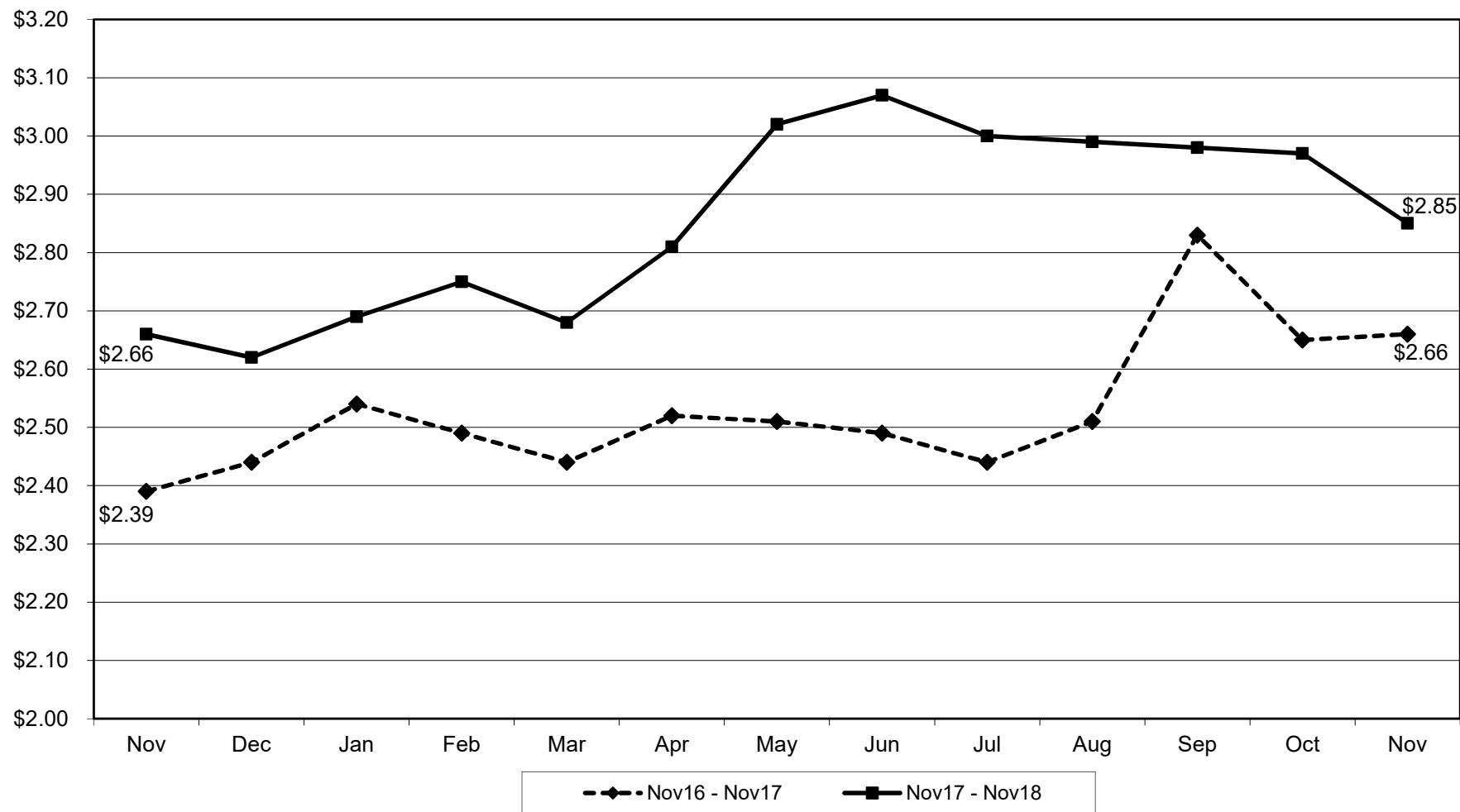
<u>Month</u>	<u>All Vehicles¹</u>	<u>E-ZPass</u>	<u>Non-E-ZPass²</u>	<u>Passenger</u>	<u>Other</u>
Nov-16	840,278	721,056	119,223	780,958	59,320
Dec-16	839,936	721,175	118,761	780,752	59,184
Jan-17	843,340	724,889	118,451	783,923	59,417
Feb-17	843,572	726,022	117,550	784,199	59,373
Mar-17	840,606	724,805	115,801	781,372	59,234
Apr-17	840,318	725,931	114,387	781,329	58,989
May-17	839,431	727,255	112,175	780,261	59,169
Jun-17	839,025	729,496	109,529	779,843	59,182
Jul-17	839,712	734,273	105,439	780,442	59,270
Aug-17	841,496	740,550	100,945	782,047	59,448
Sep-17	842,909	746,115	96,794	783,478	59,431
Oct-17	845,774	754,069	91,705	785,882	59,892
Nov-17	848,037	761,116	86,921	787,834	60,203
Dec-17	849,308	767,371	81,936	788,998	60,310
Jan-18	850,073	772,493	77,580	789,516	60,557
Feb-18	853,146	779,328	73,819	792,338	60,808
Mar-18	856,097	786,271	69,826	795,230	60,867
Apr-18	859,287	793,804	65,483	798,012	61,274
May-18	863,421	801,976	61,446	801,904	61,517
Jun-18	867,294	809,421	57,873	805,689	61,605
Jul-18	870,119	815,030	55,089	808,224	61,895
Aug-18	872,882	819,840	53,042	810,865	62,017
Sep-18	874,569	822,987	51,582	812,669	61,900
Oct-18	877,948	826,963	50,984	815,813	62,134
Nov-18	879,670	829,342	50,328	817,616	62,054

Note: Bold numbers are preliminary.

1. Numbers may not add due to rounding.

2. Includes Tolls by Mail, cash, token, and ticket transactions

Supplemental Graph Gas Prices in the NY-NJ-CT-PA Area November 2016 - November 2018





Bridges and Tunnels

Safety Report November 2018



Safety Report

Statistical results for the 12-Month period are shown below.

Performance Indicator				
Performance Indicator	12-Month Average			
	December 2015 - November 2016	December 2016 - November 2017	December 2017 - November 2018	
Customer Collisions Rate for Bridge Customers per Million Vehicles	7.43	8.07	6.56	
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.92	0.97	0.99	
Employee Accident Reports	253	250	271	
Employee Lost Time Injuries Rate per 200,000 worker hours	6.8	6.9	8.6	
Construction Injuries per 200,000 worker	1.97	1.40	1.45	
Leading Indicators				
Roadway Safety	2017		2018	
	November	Year End	November	Year to Date
Workforce Development (# of Participants)	86	926	4	361
Fleet Preventative Maintenance Insp.	133	1445	99	1499
Safety Taskforce Inspections	0	12	1	8
Construction Safety	November	Year End	November	Year to Date
Construction Safety Inspections	303	3384	183	2042
Fire Safety	November	Year End	November	Year to Date
Fire Code Audits Completed	2	14	2	13
FDNY Liaison Visits	1	25	1	21

Definitions:

Workforce Development provides for focused safety and skills training to all operations, maintenance and staff personnel. Classes feature OSHA 10 and 30 Classes, operations mandatory safety and skills instruction and retraining and specialty training (TIMS, CDL, FDNY instruction, Wrecker Driver Instruction and Roadway Safety Rules).

Fleet Preventative Maintenance Inspections are conducted at each location to improve the customer and worker safety environment. Inspections identify potential hazardous roadway or facility conditions and prescribe corrective actions to eliminate hazards.

Safety Taskforce Inspections are conducted by the joint Labor and Management Committee at each facility throughout the year on a rotating basis. The inspections consist of reviewing past accident and incident experiences/reports and facility safety reports. The Taskforce meets with location management and union representatives and makes a complete tour of the facility. The Taskforce is comprised of representatives of the Safety and Operations groups and has representation from each of the represented unions.

Construction Safety Inspections are conducted by an independent safety monitor to ensure that the necessary components for a safe construction are present. Inspections include review of safety organization, job hazard analysis, safe work plans for specific high risk activities, personal protective equipment, fire protection, industrial hygiene, and training.

Fire Code Audits are required by the NYS Uniform Fire Prevention Code. They are conducted by the Safety and Health Department at each building and facility throughout the Agency. They feature a review of fire prevention activities and the condition of fire fighting and suppression equipment.

FDNY Liaison Visits are conducted on a regular basis (typically twice a year) whereby local fire companies visit and tour the facilities to become familiar with the structures and buildings and the fire equipment provided. This facilitates the development of strategies for fighting fires and responding to emergencies. Additionally, special drills and training exercises are conducted to drill on communications and special rescue operations should they be required.



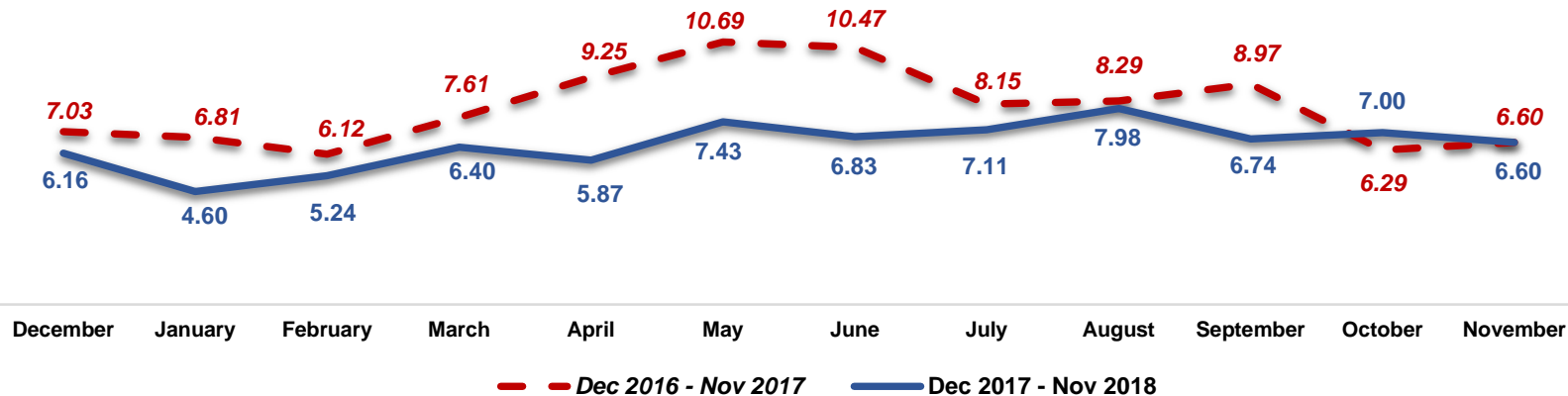
Bridges and Tunnels

Collision Rates – All Facilities Year over Year Comparison of Monthly Data

Collisions with Injuries per Million Vehicles



Total Collisions per Million Vehicles

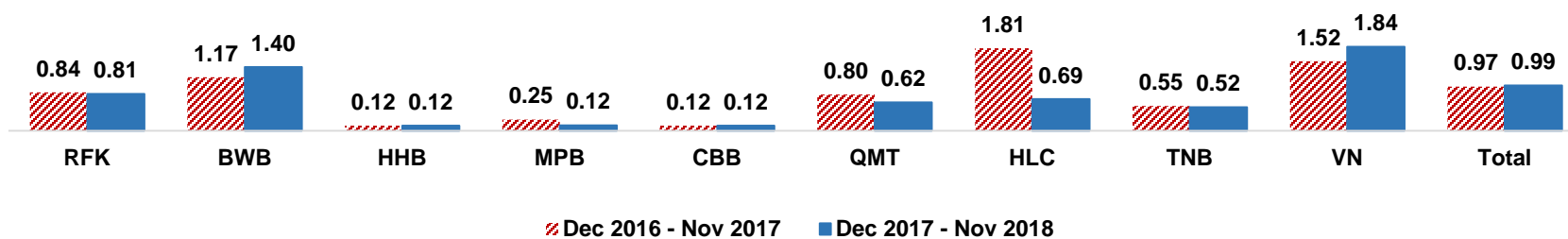




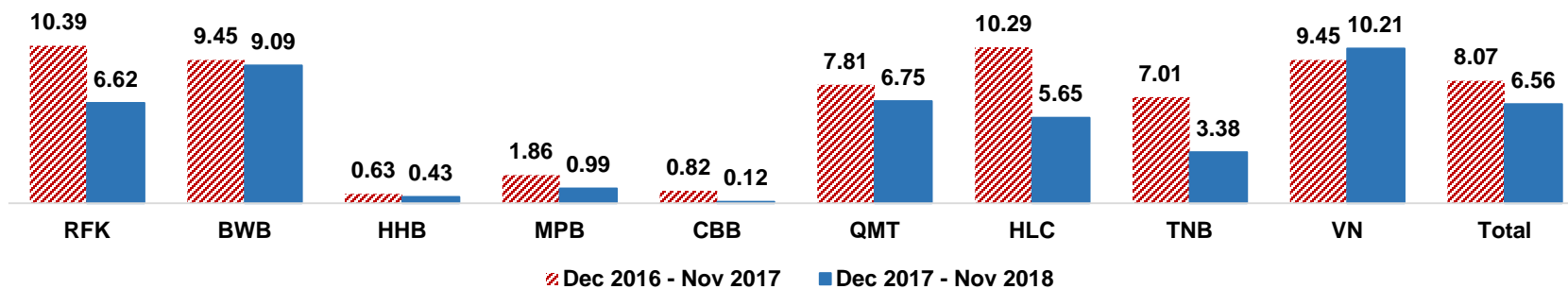
Bridges and Tunnels

Collision Rates by Facility Year over Year Comparison of 12 Month Averages

Collisions with Injuries per Million Vehicles



Total Collisions per Million Vehicles





Collision Rates by Facility

Total Collisions per Million Vehicles: October 2017 – October 2018

	17-Nov	17-Dec	18-Jan	18-Feb	18-Mar	18-Apr	18-May	18-Jun	18-Jul	18-Aug	18-Sep	18-Oct	18-Nov
RFK	9.61	6.67	6.24	4.17	5.62	4.08	8.62	6.78	5.48	8.48	5.67	8.84	8.17
BWB	6.80	5.18	5.91	6.79	7.60	10.57	10.24	10.30	10.27	12.95	10.54	8.09	9.10
TNB	2.73	5.37	2.47	2.59	4.25	3.53	4.31	3.29	3.20	2.95	2.91	2.34	3.27
VNB	8.83	8.65	5.23	8.73	10.20	8.27	11.11	11.31	13.64	12.64	11.17	10.95	9.30
QMT	7.55	10.68	7.65	6.25	7.12	7.90	6.44	5.21	4.99	5.50	7.02	5.76	7.29
HLC	7.71	4.09	2.87	6.62	7.39	5.77	4.83	5.44	5.09	7.21	5.70	8.57	3.69
HHB	0.92	0.00	0.00	0.00	0.48	0.45	0.85	0.43	0.90	0.44	0.46	0.43	0.47
MPB	0.00	3.26	1.76	0.00	1.63	0.00	1.39	0.00	1.16	0.00	0.00	1.51	1.61
CBB	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.60	6.16	4.60	5.24	6.40	5.87	7.43	6.83	7.11	7.98	6.74	7.00	6.60



B&T Law Enforcement

To improve its customer safety performance, MTA B&T aggressively enforces traffic regulations with a focus on deterring unsafe driver behaviors. The following is a summary of its safety enforcement efforts:

- 45,913 summonses were issued in the YTD November 2018 period— 2.9% lower than in the YTD November 2017 period.
- 74.5% (34,228) of the summonses issued in the YTD November 2018 period were safety related. Types of safety summonses include Speeding, Disobey Traffic Control Devices, Unsafe Lane Change, and Unsafe Backing.

Summons Type	YTD November 2017	YTD November 2018	% Change
Speed	5,271	5,720	8.5%
Disobey Signs/Traffic Control Device	12,522	10,885	(13.1%)
Cell Phone/Texting	2,340	2,052	(12.3%)
Unsafe Lane Change/Failure to Signal	2,749	2,682	(2.4%)
*All Other	24,385	24,574	0.8%
Total	47,267	45,913	(2.9%)

**All other summonses include vehicle equipment, covered/obstructed plates, other secondary summonses, etc.*



Bridges and Tunnels

Report on Cashless Tolling November 2018

**MTA Bridges and Tunnels
Report on Cashless Tolling
January 2019 Committee Meeting**

November 2018 Highlights

The *Report on Cashless Tolling* provides monthly data on traffic and revenue performance at MTA Bridges and Tunnels facilities. The report is organized along three categories of information: Traffic, Revenue and Customer Service Center Statistics.

TRAFFIC

I. Traffic: All B&T Facilities by Method of Payment

This table presents a summary of traffic by payment type (E-ZPass vs. Tolls by Mail) and E-ZPass market share for all B&T facilities.

For the month of November, overall E-ZPass market share was 94.8%, which was 1.0% point higher than November 2017.

II. Traffic: Average Weekday by Facility

This table shows the current month average weekday traffic volume by payment type (E-ZPass vs. Tolls by Mail) and facility, and E-ZPass market share for the current month and the same month in the previous year.

Average weekday E-ZPass market share was 95.3% overall in November. Every facility was over 90%, and six facilities were over 95% (Cross Bay Bridge, Henry Hudson Bridge, Hugh L. Carey Tunnel, Queens Midtown Tunnel, Marine Parkway Bridge, and Verrazzano-Narrows Bridge). Overall, 4.7% of weekday toll transactions were subject to the Tolls by Mail (TBM) Program.

III. Traffic: Average Weekend by Facility

This table shows the current month average weekend traffic volume by payment type (E-ZPass vs. Tolls by Mail) and facility, and E-ZPass market share for the current month and the same month in the previous year.

Average weekend E-ZPass market share was 93.4% overall in November. Each facility was above 90%. Overall, 6.6% of weekend toll transactions were subject to TBM.

IV. Traffic: Distribution by Facility and Time Period

This table reports the percentage of total traffic occurring in the weekday AM/PM peak periods vs. Off-Peak times at each facility.

In November, 46.7% of traffic volume occurred during the weekday peak periods (22.7% in the AM peak and 24.0% in the PM peak) and 53.3% of the volume occurred on off-peak hours.

V. Payment Method by Facility (Transactions)

This table highlights the share of crossings at each facility that are associated with E-ZPass accounts administered by the New York Customer Service Center (NY CSC) vs. Non-NY CSC E-ZPass and Tolls by

Mail (TBM) accounts. The vast majority of transactions at B&T facilities are made by NY CSC E-ZPass customers, who are subject to lower toll rates than Non-NY CSC E-ZPass and Tolls by Mail customers.

In November, 87.4% of transactions were associated with New York Customer Service Center (NYCSC) E-ZPass account holders vs. 7.4% and 5.2% for Non-NYCSC E-ZPass accounts and TBM, respectively.

REVENUE

VI. Revenue Collection Rates

This table presents Cashless Tolling revenue collection performance (actual total revenue collected divided by toll revenue if all transactions were paid as incurred). It reports on transactions for all B&T facilities that have matured for at least one year prior to the current reporting month.

As of November 2018, our overall facility-wide collection rate is at 100.2% for transactions in October through November 2017 when both tolls and fees are considered.

CUSTOMER SERVICE CENTER

VII. Customer Service Center Metrics

These tables present metrics for E-ZPass, tag, accounts and expanded call center performance data for the E-ZPass and Tolls by Mail (TBM) Programs.

In November, the number of active MTA E-ZPass accounts exceeded 3.5 million and the number of active MTA E-ZPass tags exceeded 5.5 million.

VIII. Toll Processing Metrics

This table presents Cashless Tolling metrics for the Tolls by Mail (TBM) and E-ZPass programs, including toll transactions, Toll Bills issued, and Violation Notices issued. Toll Bills Issued represent consolidated Toll Bills that contain a combination of Cashless Tolling transactions for MTA B&T, the New York State Thruway Authority, and the Port Authority of New York and New Jersey. E-ZPass and Toll Bill transactions are reported by transaction date. Toll Bills and Violation Notices issued are reported by Mail Date.

In November, E-ZPass and TBM transactions were 94.8% and 5.2% of all toll transactions, respectively. About 1.8% of E-ZPass transactions resulted in E-ZPass violations. 695,497 toll bills were issued under the TBM program and 202,553 MTA B&T Toll Bill violation notices were issued to customers.

IX. Chart: Comparison of E-ZPass Market Share Performance – 2016/2017 vs. 2017/2018

MTA Bridges and Tunnels
Report on Cashless Tolling
November 2018
Preliminary data subject to final audit

I. Traffic: All B&T Facilities by Method of Payment			
	November 2018	November 2017	2018 YTD
E-ZPass ¹	25,196,446	24,340,099	278,632,298
Tolls by Mail ¹	<u>1,388,172</u>	<u>1,615,764</u>	<u>16,710,254</u>
Total	26,584,618	25,955,863	295,342,552
E-ZPass Market Share:			
Total	94.8%	93.8%	94.3%
Cars	94.7%	93.7%	94.3%
Trucks	95.7%	94.6%	95.5%

II. Traffic: Average Weekday by Facility²						
Facility	November 2018			E-ZPass Market Share		
	Total	E-ZPass	TBM	Nov 2018	Nov 2017	Change
Bronx-Whitestone Bridge	131,523	123,526	7,997	93.9%	92.6%	1.4%
Cross Bay Bridge	24,369	23,323	1,046	95.7%	94.7%	1.0%
Henry Hudson Bridge	73,054	69,893	3,161	95.7%	95.9%	-0.3%
Hugh L. Carey Tunnel	57,007	55,212	1,795	96.9%	96.3%	0.5%
Marine Parkway Bridge	22,590	21,859	731	96.8%	96.2%	0.6%
Queens Midtown Tunnel	84,188	80,971	3,217	96.2%	95.9%	0.2%
Robert F. Kennedy Bridge	184,151	174,581	9,570	94.8%	93.8%	1.0%
Throgs Neck Bridge	120,105	113,309	6,796	94.3%	93.4%	1.0%
Verrazzano-Narrows Bridge ¹	<u>211,948</u>	<u>203,753</u>	<u>8,195</u>	<u>96.1%</u>	<u>95.5%</u>	<u>0.6%</u>
All Facilities¹	908,935	866,428	42,507	95.3%	94.6%	0.8%

Notes:

1. At the Verrazzano-Narrows Bridge (VNB), tolls are only collected in the westbound direction. These transactions are doubled to provide traffic statistics that are consistent with B&T's other facilities.
2. Weekday traffic and market share figures do not include holidays.

MTA Bridges and Tunnels
Report on Cashless Tolling
November 2018
Preliminary data subject to final audit

III. Traffic: Average Weekend by Facility						
Facility	November 2018			E-ZPass Market Share		
	Total	E-ZPass	TBM	Nov 2018	Nov 2017	Change
Bronx-Whitestone Bridge	132,249	121,349	10,900	91.8%	89.4%	2.4%
Cross Bay Bridge	18,697	17,741	956	94.9%	93.2%	1.7%
Henry Hudson Bridge	67,795	63,696	4,099	94.0%	94.1%	-0.2%
Hugh L. Carey Tunnel	47,387	45,211	2,175	95.4%	94.5%	0.9%
Marine Parkway Bridge	16,380	15,700	680	95.8%	95.2%	0.7%
Queens Midtown Tunnel	80,114	75,939	4,175	94.8%	93.8%	1.0%
Robert F. Kennedy Bridge	167,709	155,923	11,786	93.0%	91.3%	1.7%
Throgs Neck Bridge	124,939	115,181	9,758	92.2%	90.2%	2.0%
Verrazzano-Narrows Bridge ¹	<u>186,000</u>	<u>175,048</u>	<u>10,952</u>	<u>94.1%</u>	<u>92.8%</u>	<u>1.3%</u>
All Facilities	841,270	785,788	55,482	93.4%	91.8%	1.6%

IV. Traffic: Distribution by Facility & Time Period			
Facility	November 2018		
	Weekday AM Peak	Weekday PM Peak	Off-Peak
Bronx-Whitestone Bridge	22.7%	22.8%	54.5%
Cross Bay Bridge	25.2%	23.8%	51.0%
Henry Hudson Bridge	23.2%	27.5%	49.3%
Hugh L. Carey Tunnel	25.2%	25.5%	49.3%
Marine Parkway Bridge	28.1%	27.0%	44.9%
Queens Midtown Tunnel	21.4%	22.8%	55.8%
Robert F. Kennedy Bridge	23.8%	20.9%	55.4%
Throgs Neck Bridge	24.7%	22.7%	52.6%
Verrazzano-Narrows Bridge ³	<u>16.2%</u>	<u>29.2%</u>	<u>54.6%</u>
All Facilities	22.7%	24.0%	53.3%

Note:

3. Traffic distributions reported in westbound tolled direction only

MTA Bridges and Tunnels
Report on Cashless Tolling
November 2018
Preliminary data subject to final audit

V. Payment Method by Facility (Transactions)			
Facility	November 2018		
	NY CSC E-ZPass	Non-NY CSC E-ZPass	Tolls by Mail
Bronx-Whitestone Bridge	87.5%	5.8%	6.7%
Cross Bay Bridge	94.3%	1.2%	4.5%
Henry Hudson Bridge	83.2%	12.0%	4.8%
Hugh L. Carey Tunnel	90.6%	5.9%	3.5%
Marine Parkway Bridge	94.0%	2.5%	3.5%
Queens Midtown Tunnel	91.1%	4.7%	4.2%
Robert F. Kennedy Bridge	87.9%	6.4%	5.7%
Throgs Neck Bridge	85.9%	7.8%	6.3%
Verrazzano-Narrows Bridge	<u>85.4%</u>	<u>10.2%</u>	<u>4.4%</u>
All Facilities	87.4%	7.4%	5.2%

VI. Revenue Collection Rates	
Facility	Revenue Collection Rate November 2018 ⁴
Henry Hudson Bridge	101.9%
Hugh L. Carey Tunnel	101.0%
Queens Midtown Tunnel	102.2%
Marine Parkway Bridge	101.0%
Cross Bay Bridge	98.1%
Robert F. Kennedy Bridge	100.4%
Verrazzano-Narrows Bridge	97.9%
Bronx-Whitestone Bridge	101.1%
Throgs Neck Bridge	100.5%
All Facilities	100.2%

Note:

4. Represents total revenue collections from transactions in October through November 2017

**MTA Bridges and Tunnels
Report on Cashless Tolling
November 2018**
Preliminary data subject to final audit

VII. Customer Service Center			
E-ZPass	November 2018	November 2017	YTD 2018
Total Accounts Opened	18,817	26,533	257,022
Total Active Accounts			3,517,586
Total Active Tags			5,551,550
Total Reload Cards Distributed	2,734	3,670	38,395
Reload Card % of Cash Replenishments			19.33%
Total Active Reload Cards			170,415

Customer Service Center Metrics	November 2018	November 2017	YTD 2018
Number of Phone Calls Handled by Customer Service Center			
General E-ZPass	269,070	237,286	3,198,850
Tolls by Mail	132,728	83,546	1,411,931
Violations	31,052	51,624	452,414
Other ⁵	12,125	11,507	157,170
Interactive Voice Response System	876,574	821,399	9,943,301
Total	1,321,549	1,205,362	15,163,666
Average Phone Call Waiting Time (in minutes)			
General E-ZPass Call Unit	1:40	5:18	2:22
Violations Call Unit	1:47	1:56	2:57
Tolls By Mail Call Unit	0:15	7:59	0:35

VIII. Toll Processing Metrics		
E-ZPass and Tolls by Mail Metrics	November 2018	YTD 2018
E-ZPass Program		
# of Paid Transactions⁶	21,863,708	242,504,261
Passenger	20,295,643	224,962,279
Commercial	1,568,065	17,541,982
# of Violations Transactions	397,196	3,882,295
Passenger	377,373	3,665,464
Commercial	19,823	216,831
# of Violation Notices Issued (First Notice, by Mail Date)	164,655	1,585,137
Tolls by Mail Program (TBM)		
# of Transactions	1,251,673	14,757,628
Passenger	1,179,736	13,919,044
Commercial	71,937	838,584
# of Violation Transactions⁷	-	6,321,348
Passenger	-	5,970,402
Commercial	-	350,946
# of Toll Bills Issued (By Mail Date)⁸	695,497	8,191,818
# of Violation Notices Issued (By Mail Date)	202,553	1,883,135

Note:

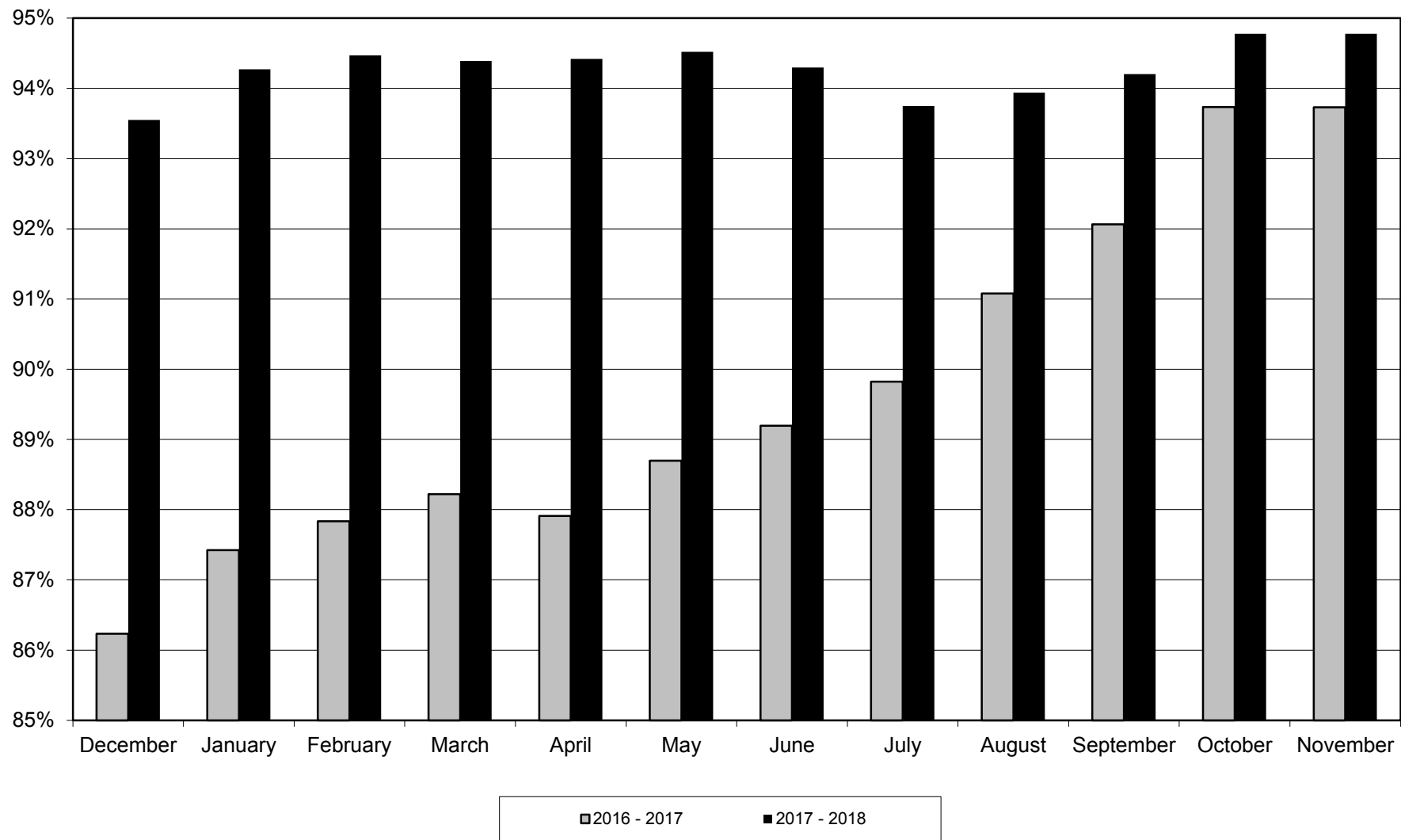
5. Business and retail tag registration calls

6. Includes one-way transactions at the Verrazzano-Narrows Bridge (VNB)

7. Due to the time lag in unpaid TBM transactions escalating to violations, TBM violation transactions are reported on a YTD basis

8. Toll Bills Issued include bills issued under the consolidated Cashless Tolling program for MTA B&T, the New York State Thruway Authority, and the Port Authority of New York and New Jersey.

IX. E-ZPass Market Shares December 2016 through November 2018





Bridges and Tunnels

Financial Report November 2018



MTA BRIDGES & TUNNELS
STATEMENT OF NET POSITION
As of November 30, 2018
(in thousands)

ASSETS AND DEFERRED OUTFLOWS OF RESOURCES

CURRENT ASSETS:

Cash-Unrestricted	7,733
Investments:	
Unrestricted	185,979
Restricted	882,720
Accrued interest receivable	1,734
Accounts receivable (net of reserve provision)	55,592
Tolls due from other agencies	42,018
Prepaid expenses	6,769
	<hr/>
Total current assets	1,182,545

NONCURRENT ASSETS:

Investments:	
Unrestricted	
Restricted	9
Facilities, less acc.dep of \$1,602,334	6,249,732
Capital lease 2 Broadway net acc. dep.	37,927
Derivative Hedge Assets	3,545
Security Deposits	-
	<hr/>
Total noncurrent assets	6,291,213

TOTAL ASSETS:	<hr/> 7,473,757 <hr/>
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DEFERRED OUTFLOWS OF RESOURCES:

Deferred outflows of resources related to Pension	51,164
Accumulated decreases in fair value of derivative instruments	124,942
Defeasance costs	246,647
	<hr/>

TOTAL DEFERRED OUTFLOWS OF RESOURCES:	<hr/> 422,753 <hr/>
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TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES	<hr/> <hr/> 7,896,510 <hr/> <hr/>
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MTA BRIDGES & TUNNELS**STATEMENT OF NET POSITION****As of November 30, 2018**

(in thousands)

LIABILITIES AND INFLOWS OF RESOURCES**CURRENT LIABILITIES:**

Current portion-long term debt	70,275
Interest Payable	31,211
Accounts Payable	160,105
Accrued Pension Payable	15,998
Payable to MTA-CAP	292,493
Due to MTA-Operating Expenses	5,730
Due to NYCTA-Operating Expenses	651
Accrued salaries	36,559
Accrued Vac & Sick Benefits	16,129
Due to New York City Transit Authority	46,717
Due to Metropolitan Transportation Authority	68,264
Unredeemed Tolls	176,877
Tolls due to other agencies	57,188
E-ZPass Airport Toll Liability	13,556
	<hr/>
Total current liabilities	991,752

NONCURRENT LIABILITIES:

Long term debt	9,247,077
Post Employment Benefits Other than Pensions	768,993
Estimated liability arising from injury	46,725
Capital lease obligations	55,711
Derivative Hedge Liabilities	102,374
Due (to)/from MTA - change in fair value of derivative	26,113
Net Pension Liability	271,608
Security deposits-Contra	-
	<hr/>
Total noncurrent liabilities	10,518,601

DEFERRED INFLOW OF RESOURCES

Deferred Inflow of resources related to Pension	20,754
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**TOTAL LIABILITIES AND DEFERRED INFLOWS OF
RESOURCES**

11,531,107

NET POSITION

-3,634,596**TOTAL LIABILITIES, DEFERRED INFLOWS OF**

7,896,510

*The negative Net Position consists of various fund balances such as surplus monies and purchase of assets on behalf of MTA and NYCTA. The negative balance occurs because the assets are transferred to MTA and NYCTA during the year, and taken off the B&T Statement of Net Position; while the debt to purchase these assets remains as a liability on

the Statement of Net Position of B&T.

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2018 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER 2018
(\$ in millions)

	Nonreimbursable				Reimbursable				Total			
	Mid-Year Forecast	Favorable (Unfavorable)			Mid-Year Forecast	Favorable (Unfavorable)			Mid-Year Forecast	Favorable (Unfavorable)		
		Actual	Variance	Percent		Actual	Variance	Percent		Actual	Variance	Percent
Revenue												
Farebox Revenue	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-
Vehicle Toll Revenue	161.947	164.034	2.087	1.3	0.000	0.000	0.000	-	161.947	164.034	2.087	1.3
Other Operating Revenue	1.427	0.920	(0.507)	(35.5)	0.000	0.000	0.000	-	1.427	0.920	(0.507)	(35.5)
Capital & Other Reimbursements	0.000	0.000	0.000	-	2.298	3.083	0.785	34.2	2.298	3.083	0.785	34.2
Investment Income	0.087	0.317	0.229	*	0.000	0.000	0.000	-	0.087	0.317	0.229	*
Total Revenue	\$163.461	\$165.271	\$1.810	1.1	\$2.298	\$3.083	\$0.785	34.2	\$165.759	\$168.354	\$2.595	1.6
Expenses												
<i>Labor:</i>												
Payroll	\$11.822	\$10.187	\$1.635	13.8	\$0.779	\$1.255	(\$0.476)	(61.1)	12.602	\$11.442	\$1.159	9.2
Overtime	2.301	2.008	0.293	12.7	0.241	0.018	0.223	92.7	2.542	2.025	0.516	20.3
Health and Welfare	2.613	2.106	0.506	19.4	0.159	0.305	(0.146)	(92.1)	2.771	2.411	0.360	13.0
OPEB Current Payment	1.905	1.819	0.086	4.5	0.000	0.000	0.000	-	1.905	1.819	0.086	4.5
Pensions	2.974	2.875	0.098	3.3	0.235	0.333	(0.098)	(41.7)	3.209	3.209	0.000	0.0
Other Fringe Benefits	1.483	1.363	0.120	8.1	0.110	0.030	0.080	72.8	1.593	1.393	0.200	12.5
Reimbursable Overhead	(0.774)	(1.142)	0.368	47.5	0.774	1.142	(0.368)	(47.5)	0.000	0.000	0.000	-
Total Labor Expenses	\$22.323	\$19.217	\$3.107	13.9	\$2.298	\$3.083	(\$0.785)	(34.2)	\$24.622	\$22.300	\$2.322	9.4
<i>Non-Labor:</i>												
Electric Power	\$0.629	\$0.267	\$0.361	57.5	\$0.000	\$0.000	\$0.000	-	\$0.629	\$0.267	\$0.361	57.5
Fuel	0.270	0.092	0.178	66.0	0.000	0.000	0.000	-	0.270	0.092	0.178	66.0
Insurance	1.006	0.867	0.138	13.8	0.000	0.000	0.000	-	1.006	0.867	0.138	13.8
Claims	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Paratransit Service Contracts	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Maintenance and Other Operating Contracts	15.137	8.039	7.098	46.9	0.000	0.000	0.000	-	15.137	8.039	7.098	46.9
Professional Service Contracts	3.390	2.057	1.333	39.3	0.000	0.000	0.000	-	3.390	2.057	1.333	39.3
Materials & Supplies	0.424	0.249	0.175	41.3	0.000	0.000	0.000	-	0.424	0.249	0.175	41.3
Other Business Expenses	4.192	2.869	1.323	31.6	0.000	0.000	0.000	-	4.192	2.869	1.323	31.6
Total Non-Labor Expenses	\$25.047	\$14.440	\$10.608	42.4	\$0.000	\$0.000	\$0.000	-	\$25.047	\$14.440	\$10.608	42.4
Other Expense Adjustments:												
Other	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Total Other Expense Adjustments	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-
Total Expenses before Non-Cash Liability Adjs.	\$47.371	\$33.656	\$13.715	29.0	\$2.298	\$3.083	(\$0.785)	(34.2)	\$49.669	\$36.739	\$12.930	26.0
Depreciation	\$11.645	\$12.621	(\$0.976)	(8.4)	\$0.000	\$0.000	\$0.000	-	11.645	\$12.621	(\$0.976)	(8.4)
OPEB Obligation	5.250	5.250	0.000	0.0	0.000	0.000	0.000	-	5.250	5.250	0.000	0.0
GASB 68 Pension Adjustment	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Environmental Remediation	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Total Expenses after Non-Cash Liability Adjs.	\$64.266	\$51.527	\$12.739	19.8	\$2.298	\$3.083	(\$0.785)	(34.2)	\$66.564	\$54.610	\$11.954	18.0
Less: Depreciation	\$11.645	\$12.621	(\$0.976)	(8.4)	\$0.000	\$0.000	\$0.000	-	\$11.645	\$12.621	(\$0.976)	(8.4)
Less: OPEB Obligation	5.250	5.250	0.000	0.0	0.000	0.000	0.000	-	5.250	5.250	0.000	0.0
Less: GASB 68 Pension Adjustment	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Total Expenses	\$47.371	\$33.656	\$13.715	29.0	\$2.298	\$3.083	(\$0.785)	(34.2)	\$49.669	\$36.739	\$12.930	26.0
Net Surplus/(Deficit)	\$116.090	\$131.614	\$15.524	13.4	\$0.000	\$0.000	\$0.000	-	\$116.090	\$131.614	\$15.524	13.4

Differences are due to rounding.

*Variance exceeds 100%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2018 MID-YEAR FORECAST
ACCURAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER 2018
(\$ in millions)

	Nonreimbursable				Reimbursable				Total			
			Favorable (Unfavorable)				Favorable (Unfavorable)				Favorable (Unfavorable)	
	Mid-Year Forecast	Actual	Variance	Percent	Mid-Year Forecast	Actual	Variance	Percent	Mid-Year Forecast	Actual	Variance	Percent
Net Income/(Deficit)									\$116.090	\$131.614	\$15.524	13.4
Less: Capitalized Assets									2.914	1.596	1.318	45.2
Reserves									0.000	0.000	0.000	-
GASB Reserves									0.000	0.000	0.000	-
Adjusted Net Income/(Deficit)									\$113.177	\$130.019	\$16.842	14.9
Less: Debt Service									51.836	57.031	(5.195)	(10.0)
Less: Contribution to the Capital Program									20.059	20.059	0.000	0.0
Income Available for Distribution									\$41.282	\$52.929	\$11.648	28.2
Distributable To:												
MTA - Investment Income									0.087	0.317	0.229	*
MTA - Distributable Income									25.562	31.186	5.624	22.0
NYCTR - Distributable Income									15.633	21.427	5.794	37.1
Total Distributable Income									\$41.282	\$52.929	\$11.648	28.2
<u>Support to Mass Transit:</u>												
Total Revenues									165.759	168.354	2.595	1.6
Less: Total Operating Expenses									<u>49.669</u>	<u>36.739</u>	<u>12.930</u>	26.0
Net Operating Income/(Deficit)									\$116.090	\$131.614	\$15.524	13.4
Deductions from Net Operating Income:												
Capitalized Assets									2.914	1.596	1.318	45.2
Reserves									0.000	0.000	0.000	-
B&T Debt Service									19.371	23.661	(4.290)	(22.1)
Contribution to the Capital Program									20.059	20.059	0.000	0.0
GASB Reserves									0.000	0.000	0.000	-
Total Deductions From Operating Income									\$42.343	\$45.315	(\$2.972)	(7.0)
Total Support to Mass Transit									\$73.747	\$86.299	\$12.553	17.0

Note: Results are based on the preliminary close of the general ledger and are subject to review and adjustment. Please note that the current months' actuals do not include post-close adjustments, which will be captured in the subsequent month's YTD results.

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2018 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER Year-To-Date
(\$ in millions)

	Nonreimbursable				Reimbursable				Total			
	Mid-Year Forecast	Favorable (Unfavorable)			Mid-Year Forecast	Favorable (Unfavorable)			Mid-Year Forecast	Favorable (Unfavorable)		
		Actual	Variance	Percent		Actual	Variance	Percent		Actual	Variance	Percent
Revenue												
Farebox Revenue	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-
Vehicle Toll Revenue	1,794.478	1,805.775	11.297	0.6	0.000	0.000	0.000	-	1,794.478	1,805.775	11.297	0.6
Other Operating Revenue	17.509	18.085	0.576	3.3	0.000	0.000	0.000	-	17.509	18.085	0.576	3.3
Capital & Other Reimbursements	0.000	0.000	0.000	-	21.051	19.921	(1.130)	(5.4)	21.051	19.921	(1.130)	(5.4)
Investment Income	1.150	2.246	1.096	95.3	0.000	0.000	0.000	-	1.150	2.246	1.096	95.3
Total Revenue	\$1,813.136	\$1,826.105	\$12.969	0.7	\$21.051	\$19.921	(\$1.130)	(5.4)	\$1,834.188	\$1,846.026	\$11.838	0.6
Expenses												
<i>Labor:</i>												
Payroll	\$119.111	\$105.449	\$13.663	11.5	\$7.727	\$8.292	(\$0.565)	(7.3)	126.838	\$113.741	\$13.097	10.3
Overtime	23.832	22.117	1.715	7.2	1.533	0.268	1.265	82.5	25.365	22.385	2.980	11.7
Health and Welfare	26.857	24.541	2.316	8.6	1.672	2.011	(0.339)	(20.3)	28.529	26.552	1.978	6.9
OPEB Current Payment	20.454	19.857	0.597	2.9	0.000	0.000	0.000	-	20.454	19.857	0.597	2.9
Pensions	33.361	33.390	(0.029)	(0.1)	2.245	2.208	0.037	1.6	35.606	35.598	0.008	0.0
Other Fringe Benefits	16.660	15.059	1.601	9.6	1.080	1.144	(0.064)	(5.9)	17.740	16.203	1.537	8.7
Reimbursable Overhead	(6.794)	(5.998)	(0.796)	(11.7)	6.794	5.998	0.796	11.7	0.000	0.000	0.000	-
Total Labor Expenses	\$233.482	\$214.415	\$19.067	8.2	\$21.051	\$19.921	\$1.130	5.4	\$254.533	\$234.336	\$20.198	7.9
<i>Non-Labor:</i>												
Electric Power	\$5.551	\$4.260	\$1.291	23.3	0.000	\$0.000	\$0.000	-	\$5.551	\$4.260	\$1.291	23.3
Fuel	2.087	1.726	0.361	17.3	0.000	0.000	0.000	-	2.087	1.726	0.361	17.3
Insurance	10.028	10.108	(0.080)	(0.8)	0.000	0.000	0.000	-	10.028	10.108	(0.080)	(0.8)
Claims	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Paratransit Service Contracts	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Maintenance and Other Operating Contracts	142.945	120.620	22.325	15.6	0.000	0.000	0.000	-	142.945	120.620	22.325	15.6
Professional Service Contracts	39.905	35.606	4.299	10.8	0.000	0.000	0.000	-	39.905	35.606	4.299	10.8
Materials & Supplies	4.404	3.948	0.456	10.4	0.000	0.000	0.000	-	4.404	3.948	0.456	10.4
Other Business Expenses	43.678	40.319	3.359	7.7	0.000	0.000	0.000	-	43.678	40.319	3.359	7.7
Total Non-Labor Expenses	\$248.597	\$216.586	\$32.012	12.9	\$0.000	\$0.000	\$0.000	-	\$248.597	\$216.586	\$32.012	12.9
Other Expense Adjustments												
Other	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Total Other Expense Adjustments	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-	\$0.000	\$0.000	\$0.000	-
Total Expenses before Non-Cash Liability Adjs.	\$482.080	\$431.000	\$51.079	10.6	\$21.051	\$19.921	\$1.130	5.4	\$503.131	\$450.921	\$52.210	10.4
Depreciation	\$127.113	\$131.356	(\$4.242)	(3.3)	0.000	\$0.000	\$0.000	-	127.113	\$131.356	(\$4.242)	(3.3)
OPEB Obligation	59.222	59.222	0.000	0.0	0.000	0.000	0.000	-	59.222	59.222	0.000	0.0
GASB 68 Pension Adjustment	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Environmental Remediation	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Total Expenses after Non-Cash Liability Adjs.	\$668.415	\$621.578	\$46.837	7.0	\$21.051	\$19.921	\$1.130	5.4	\$689.467	\$641.499	\$47.967	7.0
Less: Depreciation	\$127.113	\$131.356	(\$4.242)	(3.3)	\$0.000	\$0.000	\$0.000	-	\$127.113	\$131.356	(\$4.242)	(3.3)
Less: OPEB Obligation	59.222	59.222	0.000	0.0	0.000	0.000	0.000	-	59.222	59.222	0.000	0.0
Less: GASB 68 Pension Adjustment	0.000	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.000	0.000	-
Total Expenses	\$482.080	\$431.000	\$51.079	10.6	\$21.051	\$19.921	\$1.130	5.4	\$503.131	\$450.921	\$52.210	10.4
Net Surplus/(Deficit)	\$1,331.057	\$1,395.105	\$64.048	4.8	\$0.000	\$0.000	\$0.000	-	\$1,331.057	\$1,395.105	\$64.048	4.8

Differences are due to rounding.

*Variance exceeds 100%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2018 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER Year-To-Date
(\$ in millions)

	Nonreimbursable				Reimbursable				Total			
	Mid-Year Forecast	Favorable (Unfavorable)			Mid-Year Forecast	Favorable (Unfavorable)			Mid-Year Forecast	Favorable (Unfavorable)		
		Actual	Variance	Percent		Actual	Variance	Percent		Actual	Variance	Percent
Net Income/(Deficit)									\$1,331.057	\$1,395.105	\$64.048	4.8
Less: Capitalized Assets									20.384	6.935	13.449	66.0
Reserves									0.000	0.000	0.000	-
GASB Reserves									0.000	0.000	0.000	-
Adjusted Net Income/(Deficit)									\$1,310.672	\$1,388.169	\$77.497	5.9
Less: Debt Service									608.104	612.418	(4.315)	(0.7)
Less: Contribution to the Capital Program									119.664	119.664	0.000	0.0
Income Available for Distribution									\$582.905	\$656.087	\$73.182	12.6
Distributable To:												
MTA - Investment Income									1.150	2.246	1.096	95.3
MTA - Distributable Income									345.060	379.506	34.446	10.0
NYCTR - Distributable Income									236.695	274.335	37.641	15.9
Total Distributable Income									\$582.905	\$656.087	\$73.182	12.6
Support to Mass Transit:												
Total Revenues									1,834.188	1,846.026	11.838	0.6
Less: Total Operating Expenses									<u>503.131</u>	<u>450.921</u>	<u>52.210</u>	10.4
Net Operating Income/(Deficit)									\$1,331.057	\$1,395.105	\$64.048	4.8
Deductions from Net Operating Income:												
Capitalized Assets									20.384	6.935	13.449	66.0
Reserves									0.000	0.000	0.000	-
B&T Debt Service									250.594	250.890	(0.296)	(0.1)
Contribution to the Capital Program									119.664	119.664	0.000	0.0
GASB Reserves									0.000	0.000	0.000	-
Total Deductions From Operating Income									\$390.642	\$377.489	\$13.153	3.4
Total Support to Mass Transit									\$940.415	\$1,017.616	\$77.201	8.2

Note: Results are based on the preliminary close of the general ledger and are subject to review and adjustment. Please note that the current months' actuals do not include post-close adjustments, which will be captured in the subsequent month's YTD results.

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2018 MID-YEAR FORECAST
EXPLANATION OF VARIANCES BETWEEN forecast AND ACTUAL ACCRUAL BASIS
(\$ in millions)

Generic Revenue or Expense Category	Favorable/ (Unfavorable) Variance		Reason for Variance	Favorable/ (Unfavorable) Variance		Reason for Variance
	\$	%		\$	%	
Nonreimbursable						
Vehicle Toll Revenue	2,087	1.3%	Higher toll revenue due to 0.4% higher traffic and prior period revenue adjustments	11,297	0.6%	Higher YTD toll revenue primarily due to 1.0% higher traffic
Other Operating Revenue	(0,507)	-35.5%	Lower other operating revenue primarily due to the timing of revenue from E-ZPass administrative fees	0,576	3.3%	Higher other operating revenue primarily due to higher revenue from E-ZPass administrative fees
Investment Income	0,229	*	Higher than anticipated short-term investment returns on fund balances	1,096	95.3%	Higher than anticipated short-term investment returns on fund balances
Payroll	1,635	13.8%	Lower payroll expenses primarily due to vacancies	13,663	11.5%	Lower payroll expenses primarily due to vacancies
Overtime	0,293	12.7%	See overtime tables	1,715	7.2%	See overtime tables
Health and Welfare	0,506	19.4%	Lower expenses primarily due to vacancies	2,316	8.6%	Lower expenses primarily due to vacancies
OPEB Current Payment	0,086	4.5%	Lower expenses primarily due to timing against the monthly forecast allocation	0,597	2.9%	Lower expenses primarily due to timing against the YTD forecast allocation
Pensions	0,098	3.3%	Lower non-reimbursable expenses due to higher than allocated capital reimbursement offsets. Total non-reimbursable and reimbursable expenses are very close to forecast.	(0,029)	-0.1%	Higher non-reimbursable expenses due to lower than allocated capital reimbursement offsets. Total non-reimbursable and reimbursable expenses are very close to forecast.
Other Fringe Benefits	0,120	8.1%	Lower expenses primarily due to vacancies	1,601	9.6%	Lower expenses primarily due to vacancies
Electric Power	0,361	57.5%	Lower electricity expenses primarily due to lower than forecast rates	1,291	23.3%	Lower electricity expenses primarily due to lower than forecast rates
Fuel	0,178	66.0%	Lower fuel expenses primarily due to timing against the monthly forecast allocation	0,361	17.3%	Lower fuel expenses due to timing against the YTD forecast allocation
Insurance	0,138	13.8%	Lower insurance expenses primarily due to timing against the monthly forecast allocation	(0,080)	-0.8%	Higher insurance expenses primarily due to timing against the YTD forecast allocation
Maintenance and Other Operating Contracts	7,098	46.9%	Lower expenses primarily due to lower than anticipated E-ZPass Customer Service Center costs (\$3,171 Mill) and timing against the monthly forecast allocation for major maintenance projects (\$2,350 Mill), miscellaneous routine maintenance (\$0,685 Mill), security and surveillance equipment purchases (\$0,269 Mill) and maintenance of Cashless Tolling equipment (\$0,251 Mill)	22,325	15.6%	Lower expenses primarily due to lower than anticipated E-ZPass Customer Service Center costs (\$13,395 Mill) and timing against the YTD forecast for miscellaneous routine maintenance (\$3,381 Mill), major maintenance projects (\$3,030 Mill), security and surveillance equipment purchases (\$0,962 Mill) and maintenance of Cashless Tolling equipment (\$0,952 Mill)
Professional Service Contracts	1,333	39.3%	Lower expenses primarily due to timing against the monthly forecast allocation for miscellaneous consulting services (\$0,556 Mill), bond issuance costs (\$0,419 Mill) and customer outreach costs (\$0,380 Mill).	4,299	10.8%	Lower expenses primarily due to timing against the monthly forecast allocation for miscellaneous consulting services (\$2,945 Mill) and customer outreach costs (\$2,071 Mill), partially offset by higher bond issuance costs (\$0,723 Mill).
Materials & Supplies	0,175	41.3%	Lower expenses across a variety of small equipment and supply categories, due to timing, against the monthly forecast allocation	0,456	10.4%	Lower expenses across a variety of small equipment and supply categories, due to timing, against the YTD forecast allocation
Other Business Expense	1,323	31.6%	Lower expenses primarily due to timing against the forecast allocation for toll collection processing fees.	3,359	7.7%	Lower expenses primarily due to timing against the YTD forecast allocation for toll collection processing fees
Depreciation	(0,976)	-8.4%	Higher depreciation expense primarily due to timing against the monthly forecast allocation	(4,242)	-3.3%	Higher depreciation expense primarily due to timing against the YTD forecast allocation
Other Post Employment Benefits	0,000	-	No variance	0,000	-	No variance
Reimbursable						
Capital and Other Reimbursements	0,785	34.2%	Lower capital reimbursements due to timing against the monthly forecast allocation	(1,130)	-5.4%	Higher capital reimbursements due to timing against the YTD forecast allocation
Payroll	(0,476)	-61.1%	Higher capital reimbursements due to timing against the monthly forecast allocation	(0,565)	-7.3%	Higher capital reimbursements due to timing against the YTD forecast allocation
Overtime	0,223	92.7%	See overtime tables	1,265	82.5%	See overtime tables
Health and Welfare	(0,146)	-92.1%	Higher capital reimbursements due to timing against the monthly forecast allocation	(0,339)	-20.3%	Higher capital reimbursements due to timing against the YTD forecast allocation
OPEB Current Payment	0,000	-	No variance	0,000	-	No variance
Pensions	(0,098)	-41.7%	Higher capital reimbursements due to timing against the monthly forecast allocation	0,037	1.6%	Lower capital reimbursements due to timing against the YTD forecast allocation
Other Fringe Benefits	0,080	72.8%	Lower capital reimbursements due to timing against the monthly forecast allocation	(0,064)	-5.9%	Higher capital reimbursements due to timing against the YTD forecast allocation
Reimbursable Overhead	(0,368)	-47.5%	Higher capital reimbursements due to timing against the monthly forecast allocation	0,796	11.7%	Lower capital reimbursements due to timing against the YTD forecast allocation

*Variance exceeds 100%

MTA Bridges and Tunnels
2018 July Financial Plan
Non-Reimbursable/Reimbursable Overtime
(\$ in millions)

	November						November Year-to-Date					
	Mid-Year Forecast		Actuals		Var. - Fav./(Unfav)		Mid-Year Forecast		Actuals		Var. - Fav./(Unfav)	
	Hours	\$	Hours	\$	Hours	\$	Hours	\$	Hours	\$	Hours	\$
NON-REIMBURSABLE OVERTIME												
OPERATIONS & MAINTENANCE												
<u>Scheduled Service</u>	7,404	\$0.469	6,102	\$0.387	1,302 17.6%	\$0.082 17.5%	65,098	\$4.167	53,602	\$3.431	11,496 17.7%	\$0.736 17.7%
<u>Unscheduled Service</u>	272	\$0.019	38	\$0.003	234 86.0%	\$0.016 84.2%	1,779	\$0.126	381	\$0.027	1,398 78.6%	\$0.099 78.6%
<u>Programmatic/Routine Maintenance</u>	1,865	\$0.146	3,738	\$0.293	(1,873) **	(\$0.147) **	27,319	\$2.223	35,219	\$2.866	(7,900) -28.9%	(\$0.643) -28.9%
<u>Unscheduled Maintenance</u>	1,519	\$0.119	1,208	\$0.095	311 20.5%	\$0.024 20.2%	13,215	\$1.057	10,217	\$0.817	2,998 22.7%	\$0.240 22.7%
<u>Vacancy/Absentee Coverage</u>	15,891	\$1.003	16,256	\$1.026	(365) -2.3%	(\$0.023) -2.3%	156,456	\$10.105	149,116	\$9.631	7,341 4.7%	\$0.474 4.7%
<u>Weather Emergencies</u>	581	\$0.044	1,268	\$0.096	(687) **	(\$0.052) **	13,172	\$0.902	14,841	\$1.016	(1,669) -12.7%	(\$0.114) -12.6%
<u>Safety/Security/Law Enforcement</u>	2,217	\$0.138	1,682	\$0.105	536 24.2%	\$0.033 23.9%	20,177	\$1.286	17,659	\$1.126	2,518 12.5%	\$0.160 12.4%
<u>Other</u>	237	\$0.019	1,784	\$0.143	(1,547) **	(\$0.124) **	11,342	\$1.169	25,247	\$2.602	(13,905) **	(\$1.433) **
*All Other Departments and Accruals	0	\$0.344		(\$0.141)		\$0.485 141.0%		\$2.797		\$0.600		\$2.197 78.6%
Subtotal	29,986	\$2.301	32,074	\$2.008	(2,088) -7.0%	\$0.293 12.7%	308,556	\$23.832	306,279	\$22.117	2,277 0.7%	\$1.715 7.2%
REIMBURSABLE OVERTIME	2,869	\$0.241	418	\$0.018	2,451 85.4%	\$0.223 92.5%	18,291	\$1.533	3,137	\$0.268	15,154 82.9%	\$1.265 82.5%
TOTAL OVERTIME	32,855	\$2.542	32,492	\$2.025	363 1.1%	\$0.516 20.3%	326,846	\$25.365	309,416	\$22.385	17,431 5.3%	\$2.980 11.7%

Figures are preliminary.

Totals may not add due to rounding

NOTE: Percentages are based on each type of Overtime and not on Total Overtime.

*Includes overtime for all departments other than Operations and Maintenance, and adjustments to reflect the 28-day payroll lag.

**Variance exceeds 100%

MTA Bridges and Tunnels
2018 July Financial Plan
Non-Reimbursable/Reimbursable Overtime
(\$ in millions)

	Monthly			Year-to-Date		
	Var. - Fav./(Unfav)		Explanations	Var. - Fav./(Unfav)		Explanations
	Hours	\$		Hours	\$	
NON-REIMBURSABLE OVERTIME						
OPERATIONS & MAINTENANCE						
Scheduled Service	1,302 17.6%	\$0.082 17.5%	Lower than planned expenses	11,496 17.7%	\$0.736 17.7%	Lower than planned expenses
Unscheduled Service	234 86.0%	\$0.016 84.2%	Lower than planned expenses	1,398 78.6%	\$0.099 78.6%	Lower than planned expenses
Programmatic/Routine Maintenance	(1,873) **	(\$0.147) **	Higher than planned expenses	(7,900) -28.9%	(\$0.643) -28.9%	Higher than planned expenses
Unscheduled Maintenance	311 20.5%	\$0.024 20.2%	Lower than planned expenses	2,998 22.7%	\$0.240 22.7%	Lower than planned expenses
Vacancy/Absentee Coverage	(365) -2.3%	(\$0.023) -2.3%	Higher than planned expenses	7,341 4.7%	\$0.474 4.7%	Lower than planned expenses
Weather Emergencies	(687) **	(\$0.052) **	Higher than planned expenses	(1,669) -12.7%	(\$0.114) -12.6%	Higher than planned expenses
Safety/Security/Law Enforcement	536 24.2%	\$0.033 23.9%	Lower than planned expenses	2,518 12.5%	\$0.160 12.4%	Lower than planned expenses
Other	(1,547) **	(\$0.124) **	Higher than planned expenses	(13,905) **	(\$1.433) **	Higher than planned expenses
*All Other Departments and Accruals		\$0.485 141.0%	Primarily due to adjustments for the 28-day OT payroll lag		\$2.197 78.6%	Primarily due to adjustments for the 28-day OT payroll lag
Subtotal	(2,088) -7.0%	\$0.293 12.7%		2,277 0.7%	\$1.715 7.2%	
REIMBURSABLE OVERTIME	2,451 85.4%	\$0.223 92.5%	Lower than planned overtime needed on projects eligible for reimbursement from the capital program	15,154 82.9%	\$1.265 82.5%	Lower than planned overtime needed on projects eligible for reimbursement from the capital program
TOTAL OVERTIME	363	\$0.516		17,431	\$2.980	

Figures are preliminary.

Totals may not add due to rounding

NOTE: Percentages are based on each type of Overtime and not on Total Overtime.

*Includes overtime for all departments other than Operations and Maintenance, and adjustments to reflect the 28-day payroll lag.

**Variance exceeds 100%

METROPOLITAN TRANSPORTATION AUTHORITY
2018 Overtime Reporting
Overtime Legend

OVERTIME DECOMPOSITION LEGEND DEFINITIONS

<u>Type</u>	<u>Definition</u>
<i>Scheduled Service</i>	Scheduled hours above normal tours required of operations and maintenance workers for special events (e.g., NYC Marathon, Five-Borough Bike Tour, etc.) and bridge lifts.
<i>Unscheduled Service</i>	Service coverage resulting from extraordinary events not related to weather, such as injuries, mechanical breakdowns, unusual traffic, tour length, late tour relief, and other requirements that arise that are non-absence related.
<i>Programmatic/Routine Maintenance</i>	<i>Routine Maintenance</i> work for which OT has been planned, as well as all other maintenance <u>not resulting from extraordinary events</u> , including running repairs. Program/Routine maintenance work is usually performed during hours that are deemed more practical in order to minimize service disruptions, and includes contractual scheduled pay over 8 hours.
<i>Unscheduled Maintenance</i>	Resulting from an <u>extraordinary event</u> (not weather-related) requiring the use of unplanned maintenance to perform repairs on bridges, tunnels and other facilities.
<i>Vacancy/Absentee Coverage</i>	Provides coverage for an absent employee or a vacant position.
<i>Weather Emergencies</i>	Coverage necessitated by extreme weather conditions (e.g. snow, flooding, hurricanes, and tornadoes), as well as preparatory and residual costs.
<i>Safety/Security/Law Enforcement</i>	Coverage required to provide additional customer & employee protection and to secure facilities and security training.
<i>Other</i>	Includes overtime coverage for clerical, administrative positions that are eligible for overtime.
<i>Reimbursable Overtime</i>	Overtime incurred to support projects that are reimbursed from the MTA Capital Program and other funding sources.

MTA BRIDGES AND TUNNELS
TRAFFIC VOLUME AND REVENUE
(millions)

Month of November

Year to date ending November 2018

Comparison Current Year vs. Prior Year:

Prior Year		Current Year		Percentage Change			Prior Year*		Current Year		Percentage Change	
Traffic	Revenue	Traffic	Revenue	Traffic	Revenue		Traffic	Revenue	Traffic	Revenue	Traffic	Revenue
3.8	\$27.8	3.9	27.7	3.4%	-0.4%	Bronx-Whitestone	42.2	\$299.1	44.0	\$305.7	4.2%	2.2%
0.7	1.5	0.7	1.5	-0.4%	-0.3%	Cross Bay	7.8	17.2	7.9	17.1	1.0%	-0.6%
2.2	7.0	2.1	7.0	-1.1%	-0.7%	Henry Hudson	23.5	78.0	23.7	77.1	0.8%	-1.1%
1.4	8.6	1.6	9.9	14.0%	15.6%	Hugh L. Carey	16.1	97.1	17.2	104.5	6.8%	7.6%
0.6	1.3	0.6	1.4	-0.9%	5.3%	Marine Parkway	7.4	16.9	7.4	16.1	1.1%	-4.9%
2.1	13.3	2.5	15.7	16.5%	18.3%	Queens Midtown	23.0	144.5	25.1	159.9	9.0%	10.6%
5.5	37.4	5.4	36.5	-2.3%	-2.4%	RFK	58.4	403.6	61.0	412.1	4.5%	2.1%
3.7	28.8	3.7	28.7	0.0%	-0.2%	Throgs Neck	40.2	318.9	40.7	316.6	1.3%	-0.7%
6.0	34.7	6.1	35.6	1.9%	2.7%	Verrazzano-Narrows	65.8	382.1	68.4	396.8	4.0%	3.8%
26.0	\$160.4	26.6	\$164.0	2.4%	2.3%	Total	284.3	\$1,757.4	295.3	\$1,805.8	3.9%	2.8%
	\$6.180		\$6.170		-0.2%	Revenue Per Vehicle		\$6.182		\$6.114		-1.1%

Note: Numbers may not add due to rounding.

*Toll increase implemented on March 19, 2017

Comparison Actual vs. Mid-Year Forecast:

Nov M-Y Forecast		November Actual		Percentage Change			YTD M-Y Forecast		YTD Actual		Percentage Change	
Traffic	Revenue	Traffic	Revenue	Traffic	Revenue		Traffic	Revenue	Traffic	Revenue	Traffic	Revenue
26.5	\$161.9	26.6	\$164.0	0.4%	1.3%	Total All	292.5	\$1,794.5	295.3	\$1,805.8	1.0%	0.6%
	\$6.116		\$6.170		0.9%	Revenue Per Vehicle		\$6.134		\$6.114		-0.3%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2018 MID-YEAR FORECAST
TOTAL POSITIONS BY FUNCTION AND DEPARTMENT
NON-REIMBURSABLE/REIMBURSABLE and FULL-TIME POSITIONS/FULL-TIME EQUIVALENTS
November 2018

Department	Mid-Year Forecast	Actual	Favorable (Unfavorable) Variance	Explanation of Variances
Administration				
Executive	6	8	(2)	2 Managerial overages
Law ⁽¹⁾	17	13	4	1 Managerial vacancy and 3 Professional vacancies
CFO ⁽²⁾	28	24	4	4 Managerial vacancies
Administration ⁽³⁾	43	35	8	8 Professional vacancies
EEO	2	-	2	2 Managerial vacancies
Total Administration	96	80	16	
Operations				
Revenue Management	41	35	6	5 Managerial vacancies and 1 Professional vacancy
Operations (Non-Security)	57	52	5	2 Managerial and 3 Professional vacancies
Total Operations	98	87	11	
Maintenance				
Maintenance	227	208	19	4 Managerial, 3 Professional, and 12 Maintainer vacancies
Operations - Maintainers	160	160	-	
Total Maintenance	387	368	19	
Engineering/Capital				
Engineering & Construction	192	149	43	6 Managerial and 37 Professional vacancies
Safety & Health	10	9	1	1 Managerial vacancy
Law ⁽¹⁾	22	18	4	2 Managerial and 2 Professional vacancies
CFO-Planning & Budget Capital	29	27	2	4 Managerial vacancies and 2 Professional overages
Total Engineering/Capital	253	203	50	
Public Safety				
Operations (Security)	616	579	37	24 Managerial and 13 Operational vacancies
Internal Security - Operations	48	35	13	5 Managerial and 8 Professional vacancies
Total Public Safety	664	614	50	
Total Positions	1,498	1,352	146	
Non-Reimbursable	1,411	1,265	146	
Reimbursable	87	87	-	
Total Full-Time	1,498	1,352	146	

(1) Includes Legal and Procurement staff.

(2) Includes Controller and Operating Budget staff.

(3) Includes Human Resources, Labor Relations, and Administration staff.

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2018 MID-YEAR FORECAST
TOTAL POSITIONS BY FUNCTION AND OCCUPATION
FULL-TIME POSITIONS and FULL-TIME EQUIVALENTS
November 2018

	Mid-Year Forecast	Actual	Favorable (Unfavorable) Variance	Explanation of Variances
Administration				
Managers/Supervisors	36	31	5	4 vacancies in CFO, 2 in EEO, 1 vacancy in Law, and 2 overages in Executive
Professional, Technical, Clerical	60	49	11	8 vacancies in Administration and 3 in Law
Operational Hourlies	-	-	-	
Total Administration	96	80	16	
Operations				
Managers/Supervisors	59	52	7	5 vacancies in Revenue Management and 2 in Operations
Professional, Technical, Clerical	39	35	4	1 vacancy in Revenue Management and 3 vacancies in Operations
Operational Hourlies ⁽¹⁾	-	-	-	
Total Operations	98	87	11	
Maintenance				
Managers/Supervisors	24	20	4	4 vacancies in Maintenance
Professional, Technical, Clerical	20	17	3	3 vacancies in Maintenance
Operational Hourlies ⁽²⁾	343	331	12	12 Maintainer vacancies in Maintenance
Total Maintenance	387	368	19	
Engineering/Capital				
Managers/Supervisors	60	47	13	6 Managerial vacancies in Engineering, 4 in CFO, 2 in Law and 1 vacancy in Safety & Health
Professional, Technical, Clerical	193	156	37	37 vacancies in Engineering, 2 in Law, and 2 overages in CFO
Operational Hourlies	-	-	-	
Total Engineering/Capital	253	203	50	
Public Safety				
Managers/Supervisors	190	161	29	24 vacancies in Operations and 5 in Internal Security
Professional, Technical, Clerical	35	27	8	8 vacancies in Internal Security
Operational Hourlies ⁽³⁾	439	426	13	13 BTO vacancies in Operations
Total Public Safety	664	614	50	
Total Positions				
Managers/Supervisors	369	311	58	
Professional, Technical, Clerical	347	284	63	
Operational Hourlies	782	757	25	
Total Positions	1,498	1,352	146	

(1) Represents Bridge and Tunnel Officers. These positions are paid annually, not hourly.

(2) Represents Maintenance personnel. These positions are paid annually, not hourly.

(3) Represents Bridge and Tunnel Officers performing public safety. These positions are paid annually, not hourly.

MTA BRIDGES AND TUNNELS
MID-YEAR FORECAST AND NOVEMBER FORECAST vs. ACTUAL RESULTS (NON-REIMBURSABLE)
NOVEMBER 2018 YEAR-TO-DATE
(\$ in millions)

	November Year-to-Date			Favorable(Unfavorable) Variance			
	Mid-Year Forecast	November	Actual	Mid-Year Forecast		November Forecast	
	\$	\$	\$	\$	%	\$	%
Total Revenue	1,813.136	1,824.586	1,826.105	12.969	0.7	1.519	0.1
Investment Income	1.150	1.368	2.246	1.096	95.3	0.878	64.2
Total Revenue without Investment Income	1,811.986	1,823.218	1,823.859	11.873	0.7	0.641	0.0
Total Expenses before Non-Cash Liability Adjs	482.080	458.373	431.001	51.079	10.6	27.372	6.0
Depreciation	127.113	127.816	131.356	(4.242)	(3.3)	(3.540)	(2.8)
Other Post-Employment Benefits	59.222	59.222	59.222	0.000	0.0	0.000	0.0
Environmental Remediation	0.000	0.000	0.000	0.000		0.000	
Total Expenses after Non-Cash Liability Adjs	668.416	645.411	621.579	46.837	7.0	23.832	3.7
Less: Depreciation	127.113	127.816	131.356	(4.242)	(3.3)	(3.540)	(2.8)
Less: Other Post-Employment Benefits	59.222	59.222	59.222	0.000	0.0	0.000	0.0
Total Expenses	482.080	458.373	431.001	51.079	10.6	27.372	6.0
Net Income/(Deficit)	1,331.057	1,366.213	1,395.104	64.048	4.8	28.891	2.1
Net Income without Investment Income	1,329.906	1,364.845	1,392.858	62.952	4.7	28.014	2.1

Note: Totals may not add due to rounding

MTA BRIDGES AND TUNNELS
EXPLANATION OF VARIANCES BETWEEN NOVEMBER FORECAST AND ACTUAL RESULTS
NON-REIMBURSABLE
NOVEMBER 2018 YEAR-TO-DATE
(\$ in millions)

	Favorable/(Unfavorable)		Variance Explanation
	<u>Variance</u>	<u>Percent</u>	
Total Revenue	\$1.519	0.1	Primarily due to higher than forecast Investment Income and Toll Revenue
Total Expenses	\$27.372	6.0	Primarily due to vacancies, lower overtime, and the timing of E-ZPass Customer Service Center costs and major maintenance projects

NOTE: Mid-Year Forecast v.s. Actual Variance explanations are provided in the monthly report to the Finance Committee



Bridges and Tunnels

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Capital Program Project Status Report December 2018

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
STATUS REPORT
DECEMBER 31, 2018

Introduction

This report presents the year's planned versus actual and forecast commitments, completions, and close-outs in narrative, tabular and graphic formats.

2018 Overview

In 2018, Bridges and Tunnels made 151 commitments at a value of \$730.5 million (91.2% of plan) against the approved plan which called for 100 commitments with a total value of \$800.4 million. A total of 150 commitments at a value of \$699.6 million were made against the approved 2018 plan which called for 99 commitments with a total value of \$783.4 million. (See Attachment 1, 2018 Commitment Chart). In addition, one commitment with a total value of \$30.9 million was made against the 2017 plan.

Favorable bids and the reprogramming of projects resulted in commitments being \$83.8 million below the 2018 plan. The following significant projects were awarded in 2018:

- TN49: Replacement of Grid Decks on Suspended Span and Painting at Throgs Neck Bridge, Construction for \$262.1 million
- HC07: Rehabilitation of Hugh L. Carey Tunnel Ventilation Systems, Design-Build for \$74.3 million
- CB18: Cross Bay Bridge Scour Protection & Replacement of Cross-Bay/Marine Parkway Bridges Pier Fender System, Design-Build for \$55.2 million
- VN10: Verrazzano-Narrows Bridge Anchorage and Piers Rehabilitation and Sealing, Construction for \$38.5 million
- QM81: Rehabilitation of Tunnel Controls and Communication Systems at the Queens Midtown Tunnel, Design-Build for \$30.3 million
- VN30/VN89: Tower Pier Rehabilitation/Construct Mooring Platform and Elevator Rehabilitation at the Verrazzano-Narrows Bridge, Design-Build for \$36.5 million
- BW63/TN63: Post ORT Civil Reconstruction at the Bronx-Whitestone and Throgs Neck Bridges for \$23.6 million

The table below summarizes the 2018 Commitments versus the approved Plan:

MTA BRIDGES AND TUNNELS				
2018 Milestone Performance - Total Commitments				
Actual 2018 Commitments of \$699.6M were below the Approved Plan by \$83.8M				
Actual 2017 Commitments of \$30.9M were above the Approved Plan by \$13.9M				
2018 Total Commitments of \$730.5M were below the Approved Plan by \$69.9M				
(\$ in Millions)				
	2005-2014 Capital Programs	2010-2014 Sandy Program	2015-2019 Capital Program	Total All Programs
2018 Planned Commitments	\$1.4	\$3.4	\$778.6	\$783.4
Commitments not made - Deferred	\$0.0	\$0.0	(\$83.9)	(\$83.9)
Decrease in Commitments - Low Bids	\$0.0	(\$1.3)	(\$85.0)	(\$86.3)
Increase in Commitments - High Bids	\$0.2	\$0.2	\$53.9	\$54.3
Increase in Commitments - Projects/Tasks Added	\$5.2	\$0.2	\$29.0	\$34.4
Decrease in Commitments - Decreased Scope	\$0.0	\$0.0	(\$2.3)	(\$2.3)
Actual Commitments vs. Plan	\$5.4	(\$0.9)	(\$88.3)	(\$83.8)
2018 Actual Commitments	\$6.8	\$2.5	\$690.3	\$699.6
2017 Major Commitments Awarded in 2018			\$17.0	\$17.0
Increase in Commitments - High Bids			\$13.9	\$13.9
Actual Commitments vs. Plan			\$13.9	\$13.9
2017 Major Commitments Awarded in 2018	\$0.0	\$0.0	\$30.9	\$30.9
Total 2018 Commitments	\$6.8	\$2.5	\$721.2	\$730.5

In 2018, Bridges and Tunnels realized 11 completions totaling \$1.38 billion. 10 project completions were made from the 2018 plan with a total value of \$1.37 billion (96% of plan) against a plan calling for 11 project completions with a value of \$1.42 billion. In addition, Bridges and Tunnels realized one planned project completion from 2017 totaling \$10 million.

Major Projects completed this year include:

- BB28S/BB28: Hugh L. Carey Tunnel Sandy Restoration/Replacement of Firelines and Rehabilitation of Roadway - \$377.5 million
- CB99S/MP03S: Marine Parkway/Cross Bay Bridges Sandy Restoration - Electrical/Mechanical Rehabilitation, Design-Build - \$32 million
- QM40/QM40S: Queens Midtown Tunnel Sandy Restoration, Replacement of Firelines, and associated work - \$326.4 million
- TN60: Installation of Anchorage Dehumidification System and Structural Painting at the Throgs Neck Bridge - \$51.8 million
- BW14/BW84: Miscellaneous Structural Rehabilitation and Painting, Cable and Suspender Rope Investigation at the Bronx-Whitestone Bridge - \$58.9 million
- RK65A: Bronx Plaza Structural Rehabilitation at the Robert F. Kennedy Bridge - \$252.6 million
- RK75: Interim Repairs-RFK Roadway Deck at the Robert F. Kennedy Bridge - \$52.9 million
- MP03/MP16: Rehabilitation of Lift Span Mechanical Systems and Structural Painting at the Marine Parkway Bridge - \$102.8 million
- Tun-Mit-01: Hugh L. Carey and Queens Midtown Tunnels Sandy Mitigation - Floodgates and Raise Seawalls at Governors Island Ventilation Building - Design-Build - \$96.3 million

In 2018, Bridges and Tunnels accomplished \$149.5 million in task level closeouts (45 tasks).

December 2018

Commitments

In December, 29 commitments were made with a total value of \$218 million compared to the plan calling for 3 commitments with a total value of \$319 million from the 2018 Plan (*See Attachment 1, 2018 Commitment Chart*).

The following major projects were awarded in December:

- HC07: Rehabilitation of Hugh L. Carey Tunnel Ventilation Systems, Design-Build for \$74.3 million
- CB18: Cross Bay Bridge Scour Protection & Replacement of Cross-Bay/Marine Parkway Bridges Pier Fender System, Design-Build for \$55.2 million
- QM81: Rehabilitation of Tunnel Controls and Communication Systems at the Queens Midtown Tunnel, Design-Build for \$30.3 million
- BW63/TN63: Post ORT Civil Reconstruction at the Bronx-Whitestone and Throgs Neck Bridges for \$23.6 million

Completions

There were 2 major project completions in December totaling \$199.1 million (*See Attachment 3 - 2018 Completion Chart; Attachment 4 – 2018 Major Project Completions*).

Major projects completed in December were:

- MP03/MP16: Rehabilitation of Lift Span Mechanical Systems and Structural Painting at the Marine Parkway Bridge - \$102.8 million
- Tun-Mit-01: Hugh L. Carey and Queens Midtown Tunnels Sandy Mitigation - Floodgates and Raise Seawalls at Governors Island Ventilation Building – Design-Build - \$96.3 million

Close-outs

There were 5 task level closeouts for \$3.8 million in December.

Award Date Changes for Remaining Commitments

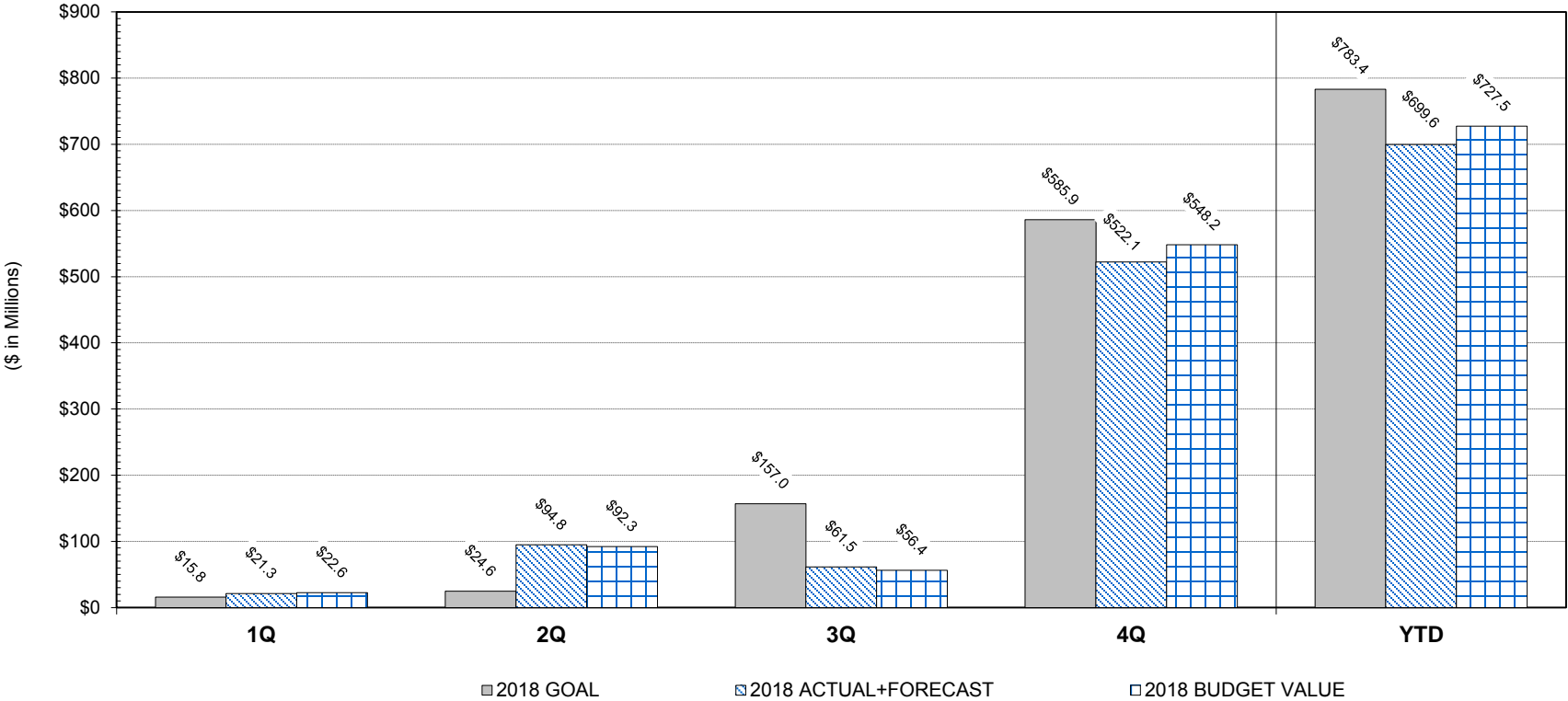
VN32/VN49: Steel Repair and Concrete Rehabilitation/Painting of Suspended Spans for \$62.7 million planned for award in October 2018 was reprogrammed for June 2019.

Completion Date Changes for Remaining Projects

QM30: Tunnel Ventilation Building Electrical Upgrade at the Queens Midtown Tunnel was planned for completion in July 2018 for \$57.4 million is now forecast for April 2019 to allow time for resolution of issues identified during the final acceptance testing of the fan motors.

MTA Bridges and Tunnels
Commitments as of December 31, 2018

2018 Budget Goal:	\$783.4	
2018 Annual Forecast	\$699.6	
YTD Goal:	\$783.4	
YTD Actual:	\$699.6	(89.3% of YTD Goal)
YTD Budgeted Value:	\$727.5	(92.9% of YTD Goal)
Left to Commit:	\$0.0	



MTA Bridges and Tunnels: Status of Major Commitments as of December 31, 2018

Project ID	ACEP	Project Description	Budget (\$ in Millions)			Award Date			Notes
			2018 Goal	Actual / Forecast*	Budgeted Value	2018 Goal	Advertisement Date	Actual / Forecast	
RK65B	D702RK65	Reconstruct Manhattan Toll Plaza Structure & Ramps	\$21.0	\$21.0	\$21.0	Jul-18	May-18	Aug-18	A
VN10	D701VN10	Anchorage & Piers Rehabilitation and Sealing	\$35.1	\$38.5	\$35.1	Jul-18	Jan-18	Jun-18	A
VN30/VN89	D701VN89	Tower Pier Rehab/Construct Mooring Platform	\$27.2	\$27.2	\$36.5	Jul-18	Jan-18	Oct-18	A
	D704VN30	Elevator Rehabilitation							
TN49	D702TN49	Replacement of Grid Decks on Suspended Span (Construction Adm. Services)	\$23.2	\$20.7	\$23.2	Sep-18	2017	Jun-18	A
	D707TN49	Structural Painting (Construction Adm. Services)							
HC07	D704HC07	Rehabilitation of HCT Ventilation Systems	\$66.9	\$74.3	\$66.9	Oct-18	Mar-18	Dec-18	A 1
VN32/VN49P	D701VN32	Steel Repair & Concrete Rehabilitation	\$55.3	\$55.3	\$55.3	Oct-18	Aug-18	Jun-19	F 2
	D707VN49	Paint Suspended Span Upper & Lower Level Steel							
CB18	D701CB18	CB Scour Protect/Repair/Rpl CB/MP Pier Fender Sys	\$35.1	\$55.2	\$35.1	Nov-18	Mar-18	Dec-18	A 1
QM81	D704QM81	Rehab of Tunnel Controls & Communication Systems	\$31.5	\$30.3	\$31.5	Nov-18	Mar-18	Dec-18	A 3
TN49	D702TN49	Replacement of Grid Decks on Suspended Span (Construction)	\$318.8	\$262.1	\$318.8	Dec-18	Jun-18	Nov-18	A
	D707TN49	Structural Painting (Construction)							

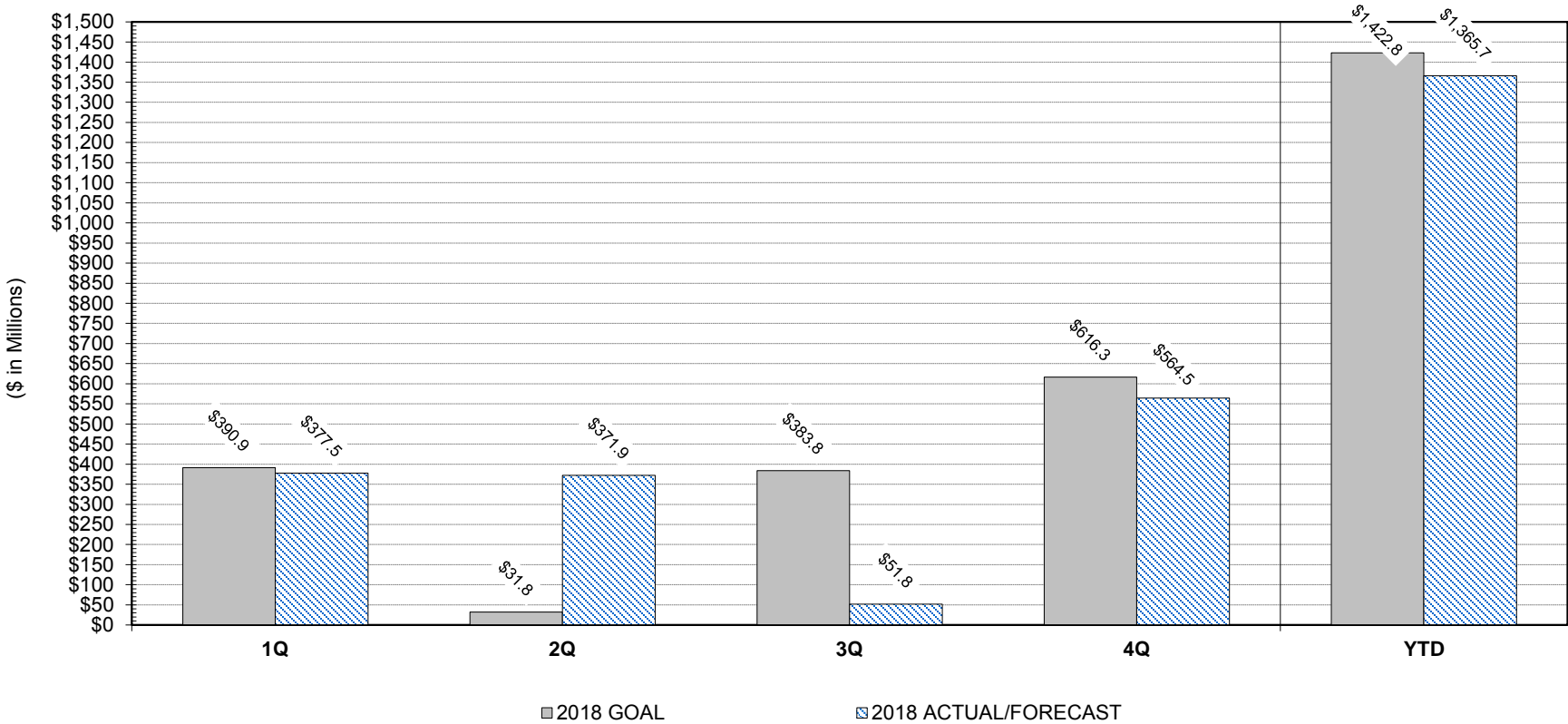
Note: 1 Additional time was requested to review bid documents.

Note: 2 Bids were received and rejected as they were not within a reasonable range of the Engineer's estimate. Contract will be rebid.

Note: 3 Additional time needed for MBE/WBE plan submission.

MTA Bridges and Tunnels
Completions as of December 31, 2018

2018 Budget Goal:	\$1,422.8
2018 Annual Forecast:	\$1,365.7
YTD Goal:	\$1,422.8
YTD Actual:	\$1,365.7 (96.0% of YTD Goal)
Left to Complete:	\$0.0



MTA Bridges and Tunnels: Status of Major Completions as of December 31, 2018

Project ID	Project Description	Budget (\$ in Millions)		Completions Status		Completion Date			Notes
		2018 Goal	Actual / Forecast*	Physical % Complete	% Contingency Spent	2018 Goal	Actual / Forecast		
BB28S/BB28	Hugh L. Carey Tunnel Sandy Restoration	\$377.5	\$377.5	99%	24%	Mar-18	Mar-18	A	
	Hugh L. Carey Tunnel - Replacement of Firelines, Rehabilitation of Roadway								
CB99S/MP03S	MP/CB Sandy Restoration - Replacement Electrical Equipment - Bridge Abutments and Service Building	\$31.8	\$32.0	100%	66%	Jun-18	Apr-18	A	
	MP Phase 1 Rehabilitation of Lift Span PLC and Mechanical System								
QM30	Queens Midtown Tunnel - Vent Building Electrical Upgrades	\$57.4	\$57.4	97%	81%	Jul-18	Apr-19	F	1,2,3
	Queens Midtown Tunnel - Flood Mitigation - Equipment Relocation								
QM40S/QM40	Queens Midtown Tunnel - Sandy Restoration	\$326.4	\$326.4	99%	31%	Jul-18	May-18	A	
	Queens Midtown Tunnel - Replacement of Firelines, Upgrade Ceiling Hangers								
TN60	Installation of Anchorage Dehumidification System and Structural Painting	\$51.8	\$51.8	98%	3%	Oct-18	Aug-18	A	
BW14/BW84	Miscellaneous Structural Rehabilitation and Painting of Interior Bridge Tower Cells and Struts	\$59.8	\$59.8	95%	25%	Dec-18	Oct-18	A	
	Cable & Suspender Rope Investigation/Testing								
MP03/MP16	MP Phase 2 Rehabilitation of Lift Span PLC and Mechanical System	\$102.8	\$102.8	93%	94%	Dec-18	Dec-18	A	
	Miscellaneous Structural Rehabilitation and Zone Painting								
RK75	Interim Repairs - RFK Roadway Deck	\$52.9	\$52.9	96%	94%	Dec-18	Nov-18	A	
RK65A	Deck Replacement - Bronx/Manhattan Ramps/Toll Plaza	\$252.6	\$252.6	98%	82%	Dec-18	Oct-18	A	4
Tun-Mit-01	Hugh L. Carey & Queens Midtown Tunnel Sandy Mitigation - Floodgates	\$96.3	\$96.3	97%	35%	Dec-18	Dec-18	A	
	Hugh L. Carey - GIVB Sandy Mitigation - Raise Seawalls								

* Forecast is equal to the project's most recently validated estimate at completion (EAC).

Note 1: Additional time required for motor modification

Note 2: Extension to substantial Completion required to provide additional factory acceptance testing and additional field installation verification /testing.

Note 3: Additional factory acceptance testing on the motors revealed a flaw that will be corrected at no cost to the Authority.

Note 4: Actual completion accomplished in October was not recorded

MTA Bridges and Tunnels: 2017 Major Commitments Status as of December 31, 2018

Project ID	ACEP	Project Description	Budget (\$ in Millions)			Award Date			Notes
			2017 Goal	Actual / Forecast*	Budgeted Value	2017 Goal	Advertisement Date	Actual / Forecast	
RK07	D704RK07	Electrical/Mechanical Rehab of HR Lift Span	\$17.0	\$30.9	\$26.0	Nov-17	Jan-17	May-18	A 1, 2

1. Design/Build teams requested additional time to review RFP documents.
2. The Design-Build contract was awarded May 2, 2018

MTA Bridges and Tunnels: 2017 Major Completions Status as of December 31, 2018

Project ID	ACEP	Project Description	Budget (\$ in Millions)		Completions Status		Completion Date			Notes
			2017 Goal	Actual / Forecast*	Physical % Complete	% Contingency Spent	Original Goal	Actual / Forecast		
CB24	ED010324	MPB / CBB Master Plan & Resiliency Needs (CB-24)	\$10.0	\$10.0	99%	0%	Dec-17	Mar-18	A	1

* Forecast is equal to the project's most recently validated estimate at completion (EAC).

Note:1: Additional time required for structural data collection and traffic analysis