



Metropolitan Transportation Authority

Bridges and Tunnels Committee Meeting

December 2017

Committee Members

C. Moerdler, Chair

N. Brown

I Greenberg

M. Pally

P. Trottenberg

V. Vanterpool

P. Ward

N. Zuckerman

Bridges & Tunnels Committee Meeting

**2 Broadway, 20th Floor Board Room
New York, NY 10004**

**Monday, 12/11/2017
11:30 AM - 12:00 PM ET**

1. Public Comments Period

2. Approval of Minutes - November 2017

B&T Committee Minutes - November 2017 - Page 3

3. Approval of Committee Work Plan

B&T Committee Work Plan - Page 10

4. Report on Operations - October 2017

B&T Report on Operations - October 2017 - Page 17

5. Safety Report - October 2017

B&T Safety Report - October 2017 - Page 30

6. E-ZPass Performance Report - October 2017

B&T E-ZPass Performance Report - October 2017 - Page 36

7. Financial Report - October 2017

B&T Financial Report - October 2017 - Page 42

8. 2017 November Budget and November Financial Plan 2018-2021 Adopted - Action Plan

B&T 2018 Budget and 2018-2021 Financial Plan Adopted - Action Item - Page 58

9. Capital Program Project Status Report - November 2017

B&T Capital Program Project Status Report - November 2017 - Page 69

10. Procurements

B&T Procurements - Page 89

B&T Competitive

B&T Competitive - Page 92

11. Diversity Report - 3rd Quarter 2017

B&T Diversity Report - Third Quarter 2017 - Page 99

Next Meeting: Monday, January 22, 2018 at 12:00 p.m.



Bridges and Tunnels

Minutes of Committee Meeting November 2017



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

November 13, 2017

12:00 p.m.

In attendance were the Honorable:

Charles G. Moerdler, Chairman
Norman Brown
Ira Greenberg
Mitchell H. Pally
Veronica Vanterpool

Also in Attendance:
Andrew Albert
David Jones

Cedrick T. Fulton, President
Brian Bajor, Acting Vice President and Chief Procurement Officer
Mildred Chua, Vice President and Chief Financial Officer
Daniel DeCrescenzo, Acting Vice President and Chief of Operations
Sharon Gallo-Kotcher, Vice President, Labor Relations, Administration and Employee Development
Lloyd Jairam, Acting Controller
Joseph Keane, Vice President and Chief Engineer
Donald Look, Vice President and Chief Security Officer
Shawn Moore, Acting Vice President and Chief of Staff
Eric Osnes, Vice President, Safety and Health
Patrick J. Parisi, Vice President, Maintenance and Operations Support
Albert Rivera, Executive Vice President
M. Margaret Terry, Senior Vice President and General Counsel

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

November 13, 2017

Minutes of TBTA Committee held November 13, 2017 at 12:00 p.m. A list of those in attendance is attached.

Public Speakers

There were two (2) public speakers. Murray Bodin stated that certain roadway guide signs, delineators and lane line markings are improper, which confuses motorists. Omar Vera stated that tolls should be eliminated at the Cross Bay Bridge (CBB) and recommended that pedestrian walkways be constructed through the Hugh L. Carey (HCT) and Queens Midtown (QMT) Tunnels so that pedestrians will be able to cross those facilities without having to rely on vehicles.

Minutes

Upon a motion duly made and seconded, the Committee members who were present at the Committee Meeting considered and voted in favor of the minutes of the Committee Meeting held on October 23, 2017, although a Committee Quorum was not present.

Committee Work Plan

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

Review of Committee Charter

Mr. Fulton stated that the MTA Bridges and Tunnels Committee Work Plan requires an annual review and assessment of the adequacy of the Committee Charter and he referred the Committee members to the Committee Charter in the Committee materials, which includes minor tracked changes.

President Fulton's Opening Remarks

Mr. Fulton stated that on November 5, 2017, TBTA hosted the start of the 47th New York City Marathon at the Verrazano-Narrows Bridge (VNB). He remarked that the event has grown from approximately 50 finishers in 1970 to approximately 50,000 finishers in 2017. He expressed his thanks to TBTA, the New York Police Department, Department of Sanitation and the New York Road Runners, as well as others, for the success of the event, which got off to a good start and ended safely.

Report on Operations

With regard to the Report on Operations for September 2017, Mr. DeCrescenzo stated that compared to September 2016, traffic was higher by 1.7%; E-ZPass volume increased by 9.2%, non-E-ZPass transactions decreased by 44.6%; passenger car travel increased by 1.9%; and other vehicle travel decreased by 0.4%. Compared to the same periods last year, preliminary traffic figures for October 2017 are 3.7% higher.

Safety Report

With regard to the Safety Report for September 2017, Mr. Osnes stated that the 12 month average customer collision rate increased from 7.07 in September 2016 to 8.56 in September 2017. The 12 month average rate for injury collisions increased from 0.92 in September 2016 to 1.07 in September 2017.

Mr. Osnes stated that in August and September, there were year-over-year increases in collisions with injuries and, as such, TBTA is focusing on those collisions. TBTA monitors employee safety incidents to identify trends as it transitions from a toll plaza environment to open road Cashless Tolling and from January through September 2017, TBTA achieved an injury on duty (IOD) reduction rate of approximately 13% compared to the same period in 2016.

Chairman Moerdler asked why the Throgs Neck Bridge (TNB) had such a significant increase in collisions from August to September and how it is being addressed. Mr. Osnes responded that the increase was likely due to traffic and traffic channeling. Mr. Parisi stated that mitigations were implemented that addressed channelization, striping, double lines, better signage and that preliminarily in October the Committee will see a TNB collision rate reduction from 10.40 in September to 5.8 in October. Commissioner Pally remarked that reconfiguring the roadway to three lanes of travel at the tolling points and former toll plaza areas has significantly improved traffic safety. Mr. DeCrescenzo commented that a majority of the accidents at the TNB and Bronx-Whitestone Bridge (BWB) occurred at the toll plazas and now motorists no longer have to decide which toll lane to use in an open road Cashless Tolling environment.

Mr. DeCrescenzo stated that in September 2017, three (3) out of nine (9) facilities had an increase in collisions and collisions with injuries as compared to the same period last year. TBTA focused on these facilities by targeting unsafe driver behavior with stepped up enforcement by issuing 55% more summonses than the same period last year, for unsafe lane change, disobey a traffic control device and speeding. TBTA also continues to educate its customers by utilizing signage to help them safely navigate TBTA facilities. In addition, TBTA's engineering efforts have improved the physical safety of TBTA facilities, which includes pavement markings, delineation and additional double white lines to minimize unsafe lane changes. Finally, Mr. DeCrescenzo stated that preliminary data for October indicates a 36% reduction in total collisions Authority-wide compared to October 2016. Mr. Fulton commented that with open road Cashless Tolling, TBTA will begin to focus on other facility hot spots and will be mindful of increases in vehicle speeds as driver mobility has greatly improved with the elimination of the toll plazas.

Customer Environment Survey – Third Quarter 2017

During the Third Quarter of 2017, Mr. Parisi reported the following:

- TBTA striped 197,086 linear feet of roadway, repaired 391 potholes and swept 2,736 lane miles of roadway.
- Approximately 91.3% of the roadway lights were operational and 55% of the conventional roadway lighting has been converted to high efficiency LED (light-emitting diode) up from the 40% reported for the Second Quarter of 2017.
- TBTA maintained and cleaned 1,107 storm drains in preparation for hurricane season and winter.
- For the Third Quarter of 2017, and as compared to pre-cashless ORT performance, average peak period travel times improved by 22.5% at the cashless ORT facilities.

Commissioner Vanterpool complimented TBTA on the significant 106% increase in summonses issued, as compared to the same period last year.

E-ZPass Performance Report

With regard to the E-ZPass Performance Report for September 2017, Ms. Chua stated that TBTA's E-ZPass Market Share was 92.4%, which is the highest market share ever and 6.3 percentage points higher than the year before. TBTA is focusing its efforts on achieving the highest market share ever to enable more cost-effective operations since it costs more to administer the Tolls by Mail program than the E-ZPass program. Beginning in January 2018, TBTA will be transitioning the E-ZPass Performance Report to focus on Open Road Tolling Performance and revenues collected by facility. The collection rate for the Henry Hudson Bridge (HHB), HCT and QMT has been positive with more than 100% of revenue collected when fees are included, and the trends at the Rockaways facilities are very similar. Preliminary numbers for the facilities that went live later, like the Robert F. Kennedy Bridge (RFKB) and VNB, look promising but it is still too early in their billing cycles to have definitive numbers.

Chairman Moerdler asked whether preliminary collection rates under open road Cashless Tolling are similar to the rates when toll collection was performed at the toll plazas. Ms. Chua responded that the collection rate is actually slightly better under Cashless Tolling at around 103%.

Financial Report

Ms. Chua stated that through September 2017, toll revenue was \$1.428 billion, which is 0.2% lower than the mid-year forecast due to the lower than average toll for E-ZPass transactions. Through September 2017, traffic is 0.4% above forecast at 230.9 million crossings. Preliminary October 2017 traffic is up by 1.5% for the month, which brings the year-to-date favorable variance up to 0.6% against the July plan. Total expenses through September 2017 were \$366.6 million, which is \$21.2 million or 5.5% lower than plan. Total support to mass transit was \$857.9 million, which is \$43.1 million or 5.3% better than plan.

2018 Preliminary Budget – Materials Previously Submitted

Capital Program Status Report

With regard to the Capital Program Status Report for October 2017, Mr. Keane stated that TBTA has already exceeded its annual commitment goal with total commitments achieved year to date at 101% of the annual plan of \$527.7 million. TBTA is close to meeting its overall annual completion goal of \$527.8 million with the recent on time completion of the \$102.9 million reconstruction of the Manhattan approach ramps of the RFKB bringing the annual completions to 99% of the overall annual goal.

Commissioner Vanterpool asked what the design-build projects are for regarding electronic monitoring and detection systems. Mr. Keane responded that they are for the installation of an integrated electronic security system, which is for electronic monitoring and access control at the RFKB and BWB. Commissioner Vanterpool also asked whether the notable increase in Gateway Tower projects, since the July meeting, is due to the work being expedited or to better reporting on those projects. Ms. Chua responded that the format of the TBTA report includes the commitment plan for the entire year. There is also a section for new tasks that are identified as unplanned commitments. The unplanned commitments are also included in the budget but are not part of the commitment plan. As TBTA is ready to procure the unplanned commitments, they are then identified under the planned commitments section of the report and that is why that section changes monthly. Finally, because they are unplanned commitments, they are not baselined at the beginning of the year as part of the overall plan.

Procurements

For October 2017, Mr. Bajor stated that there are three (3) procurements totaling \$6.7 million.

Non-Competitive Procurements

Mr. Bajor stated that there is one (1) non-competitive procurement to award a miscellaneous procurement contract to RapidToll Systems, Inc. for the installation and maintenance of a video-based audit system (Data Logger) to monitor the performance of its new open road Cashless Tolling system and aid in the protection of TBTA's \$1.9 billion revenue in the amount of \$548,858.00.

Miscellaneous Procurement Contracts

RapidToll Systems, Inc.	Contract No. 17-OPS-2965	\$548,858.00
	TBTA is seeking Board approval in accordance with the All Agency General Contract Procurement Guidelines to award this non-competitive miscellaneous procurement contract, Contract 17-OPS-2965, to RapidToll Systems, Inc. to install	

and maintain a video-based audit system (Data Logger) to monitor the performance of its new open road Cashless Tolling system and to ensure that TBTA's \$1.9 billion revenue stream is properly accounted for.

Competitive Procurements

Mr. Bajor stated that there are two (2) competitive procurements as follows:

- Personal service contract to WSP USA, Inc. for Quality Oversight and Administration for Design-Build Project BW-39/RK-60, Installation of an Integrated Electronic Security System and Fire Alarm Detection System, totaling \$4,414,813.25; and
- Personal service contract to GPI/Parsons for Construction Administration and Inspection Services for Project RK-22, Interim Repairs to the FDR Ramps of the RFKB totaling \$1,751,005.87.

Personal Service Contracts

WSP USA, Inc.	Contract No. PSC-16-2990 TBTA is seeking Board approval under the All Agency Service Contract Procurement Guidelines to award a personal service contract for the Quality Oversight and Administration for Design-Build Project BW-39/RK-60, Installation of an Integrated Electronic Security System and Fire Alarm and Detection System at the Bronx Whitestone and Robert F. Kennedy Bridge Facilities, to WSP USA, Inc.	\$4,414,813.25
GPI/Parsons RK-22 JV	Contract No. PSC-17-3004 TBTA is seeking Board approval under the All Agency Service Contract Procurement Guidelines to award a personal service contract to GPI/Parsons RK-22 JV for Construction Administration and Inspection Services for Project RK-22, Interim Repairs to the FDR Ramps of the Robert F. Kennedy Bridge.	\$1,751,005.87

With regard to the RapidToll procurement for one year, Commissioner Vanterpool asked whether the monitoring will then cease and whether the monitoring will shift to MTA Bridges and Tunnels. Mr. Bajor responded that the primary purpose is to audit the system integrator and that an assessment will be made based on the results from the video-based audit system as it also includes a redundant camera system. Mr. Parisi stated that this is a one-time cost for the equipment installation. Commissioner Albert asked whether the RapidToll procurement is only for the VNB and whether TBTA will report on the results from the system. Commissioner Brown asked whether the equipment will be used to capture covered or altered license plates of toll evaders and whether TBTA reports on toll evaders that cover or alter their license plates. Mr. Bajor responded that the audit system will be used at all TBTA facilities. Mr. Parisi responded that the system will be used to audit the Cashless Tolling system's performance criteria so that TBTA can make sure that the Cashless Tolling system is

working properly. Mr. DeCrescenzo also responded that between TBTA officers and the State Police, approximately 8,000 summonses have been issued to motorists for covering and obstructing their license plates.

Upon a motion duly made and seconded, the Committee Members who were present at the Committee Meeting approved and moved to the Board the procurements, although a Committee Quorum was not present.

Mr. Bajor stated that there are no ratifications.

Adjournment

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

Respectfully submitted,



Julia R. Christ
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

Financial Report
E-ZPass Performance Report
Capital Program Project Status Report

Procurements
Action Items (if any)

Responsibility

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

II. SPECIFIC AGENDA ITEMS

Responsibility

December 2017

2018 Proposed Committee Work Plan
2018 Proposed Final Budget
Diversity Report – 3rd Quarter 2017

Committee Chair & Members
Planning & Budget
EEO

January 2018

Approval of 2018 Work Plan

Committee Chair & Members

February 2018

Preliminary Review of 2017 Operating Budget Results
2018 Adopted Budget/Financial Plan 2018-2021
2017 B&T Operating Surplus
Customer Environment Survey – 4th Quarter 2017
Diversity Report – 4th Quarter 2017

Planning & Budget
Planning & Budget
Controller
Operations
EEO

March 2018

Annual Procurement Contracts Report

Procurement & Materials/
Finance

April 2018

Final Review of 2017 Year-End Operating Results

Planning & Budget

May 2018

Customer Environment Survey – 1st Quarter 2018
Diversity Report – 1st Quarter 2018

Operations
EEO

June 2018

No items scheduled.

July 2018

No items scheduled.

August 2018

No meeting scheduled.

September 2018

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

Operations
Planning & Budget
EEO

October 2018

2019 Preliminary Budget

Planning & Budget

November 2018

Customer Environment Survey – 3rd Quarter 2018
2019 Preliminary Budget
B&T Committee Charter – Review

Operations
Planning & Budget
MTA Board

BRIDGES & TUNNELS COMMITTEE WORK PLAN

Detailed Summary

I. RECURRING

Approval of Minutes

Approval of the official proceedings of the Committee Meeting.

Report on Operations/Safety

Summary of B&T's major service indicators, which includes graphs and tables depicting total traffic for all facilities, manual traffic, and E-ZPass traffic volume for the most recent rolling 12 months compared to the previous year's rolling 12 months. Customer and employee safety indicators are included in various graphs and tables. The Report on Operations/Safety is reported on a two-month lag, except in the month of September, at which time it includes the statistics for June and July.

E-ZPass Performance Report

Summary presentation of the performance of E-ZPass, which includes various E-ZPass statistics, such as performance at all facilities, weekday and weekend performance by facility, interoperability statistics, and customer service statistics, in addition to graphs depicting E-ZPass market share, transactions from other agencies, tags issued, and the tag swap program. The E-ZPass Performance Report is provided on a two-month lag, except in the month of September, at which time it includes the June and July reports.

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

DECEMBER 2017

2018 Proposed Committee Work Plan

The Committee Chair will present a draft Bridges and Tunnels Committee Work Plan for 2018 that will address initiatives to be reported throughout the year.

2018 Proposed Final Budget

The Committee will recommend action to the Board.

Diversity Report – 3rd Quarter 2017

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

JANUARY 2018

Approval of Work Plan for 2018

The committee will have already received a draft work plan for 2018 at the December 2017 meeting. The committee will be requested to approve the amended work plan for the year.

FEBRUARY 2018

Preliminary Review of 2017 Operating Budget Results

The agency will present a brief review of its 2017 Operating Budget results.

2018 Adopted Budget and February Financial Plan 2018-2021

The Agency will present its revised 2017 Adopted Budget and Financial Plan which will incorporate any changes made by the Board at the December 2017 meeting and any Agency technical adjustments.

2017 B&T Operating Surplus

The Committee will recommend action to the Board.

FEBRUARY 2018 (cont'd)

Customer Environment Survey – 4th Quarter 2017

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 2017

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

MARCH 2018

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 2018

Final Review of 2017 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 2018

Customer Environment Survey – 1st 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 – 1st Quarter 2018

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

JUNE 2018

No items scheduled.

JULY 2018

No items scheduled.

AUGUST 2018

No meeting scheduled.

SEPTEMBER 2018

Customer Environment Survey – 2nd 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.

2019 Preliminary Budget

Agency will present highlights of the Preliminary Budget to the Committee. Public comment will be accepted on the 2018 Preliminary Budget.

Diversity Report – 2nd Quarter 2018

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

OCTOBER 2018

2019 Preliminary Budget

Public comment will be accepted on the 2019 Preliminary Budget.

NOVEMBER 2018

Customer Environment Survey – 3rd 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.

2019 Preliminary Budget

Public comment will be accepted on the 2017 Preliminary Budget.

B&T Committee Charter - Review

Review and assess the adequacy of the Charter annually.



Bridges and Tunnels

Report on Operations October 2017



MTA Bridges and Tunnels October 2017 Traffic Trends

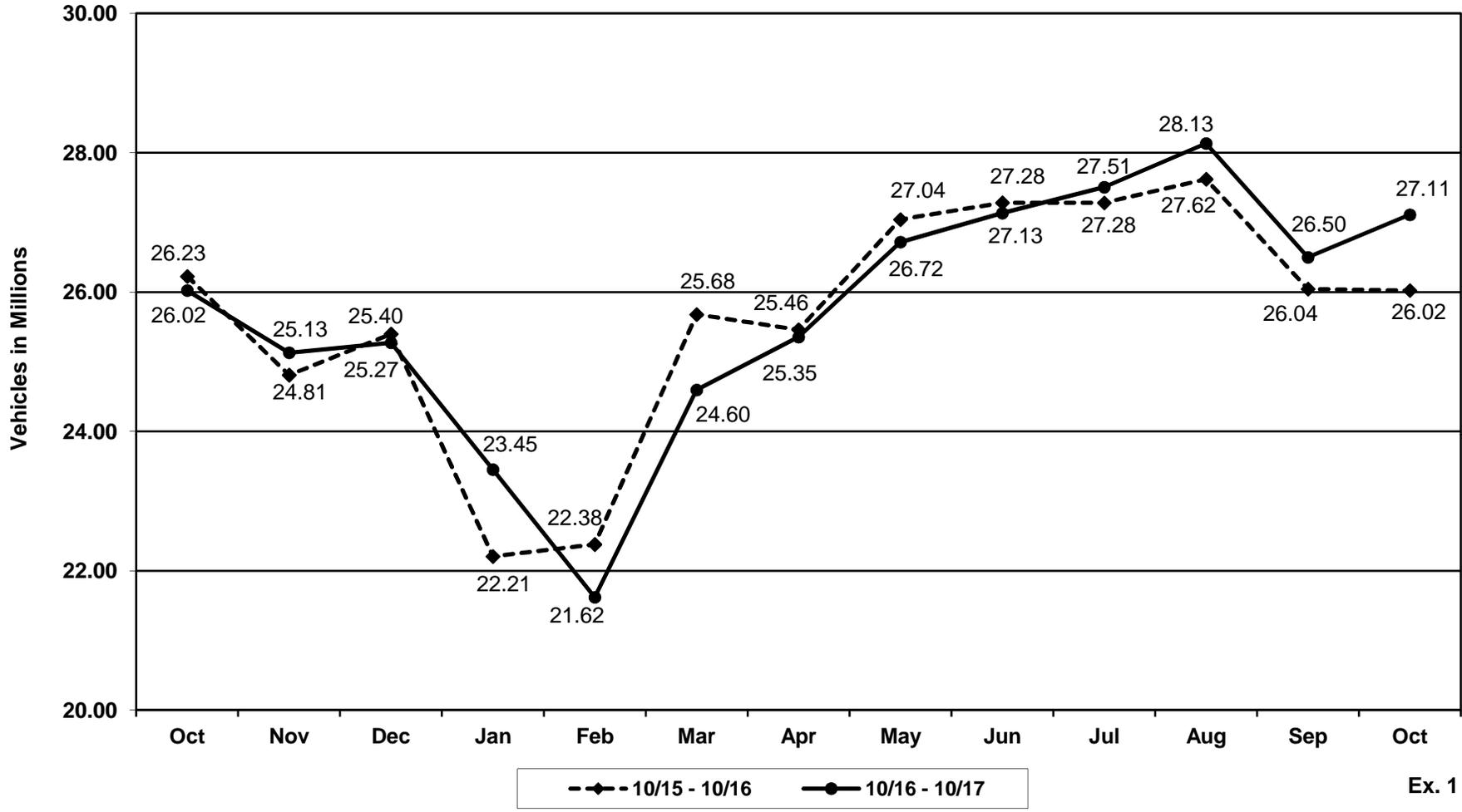
Summary

Traffic was higher on a year-to-year basis, with 27.1 million crossings this month vs. 26.0 million crossings in October 2016, an increase of 4.2% (Exhibit 1).

Rainfall this year was 3.8 inches over 9 days compared to 4.8 inches over 6 days last year. Gas prices averaged \$2.65 per gallon this October, which was \$0.38 more than last year at this time.

E-ZPass volume increased by 13.1% on a year-to-year basis for the month while crossings using Tolls by Mail declined 52.3% compared to Tolls by Mail, cash and other payment methods used in October 2016 (Exhibit 7). Passenger car travel increased 3.8% and other vehicle travel increased 9.5% from October 2016 (Exhibit 8).

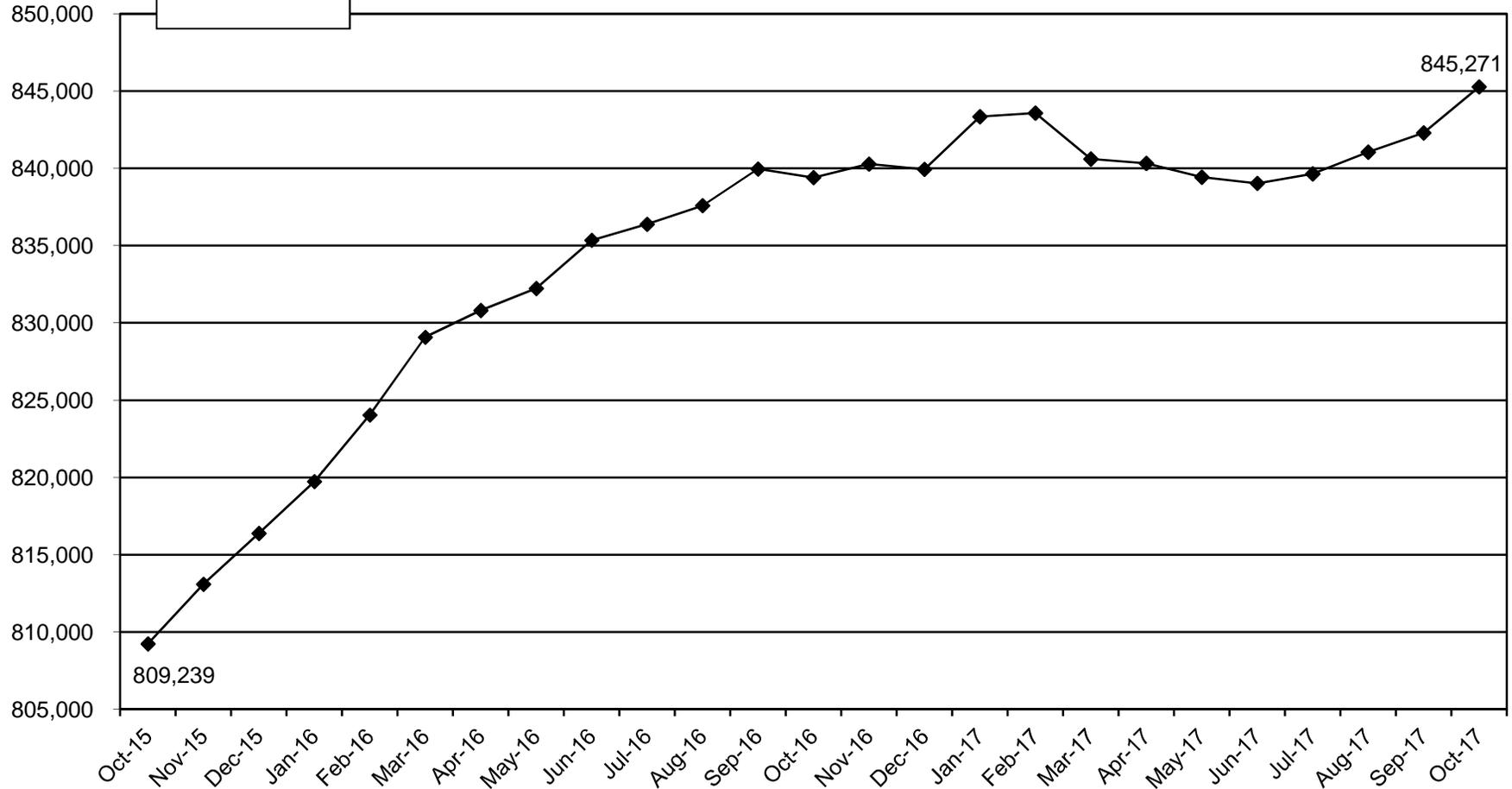
MTA Bridges and Tunnels Traffic Volume - All Facilities Two Years Ending October 2017



Ex. 1

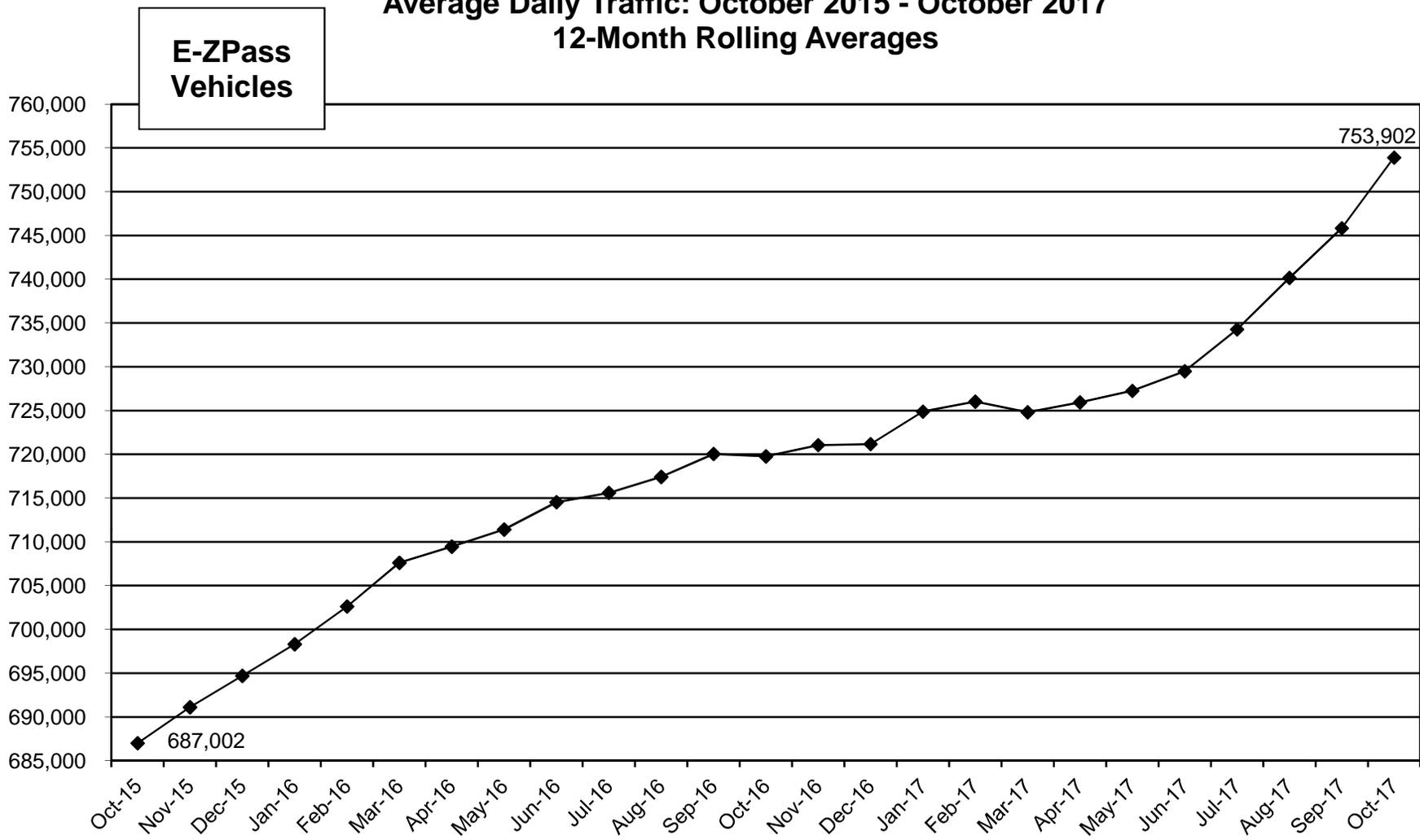
MTA Bridges and Tunnels Average Daily Traffic: October 2015 - October 2017 12-Month Rolling Averages

All Vehicles



Ex. 2

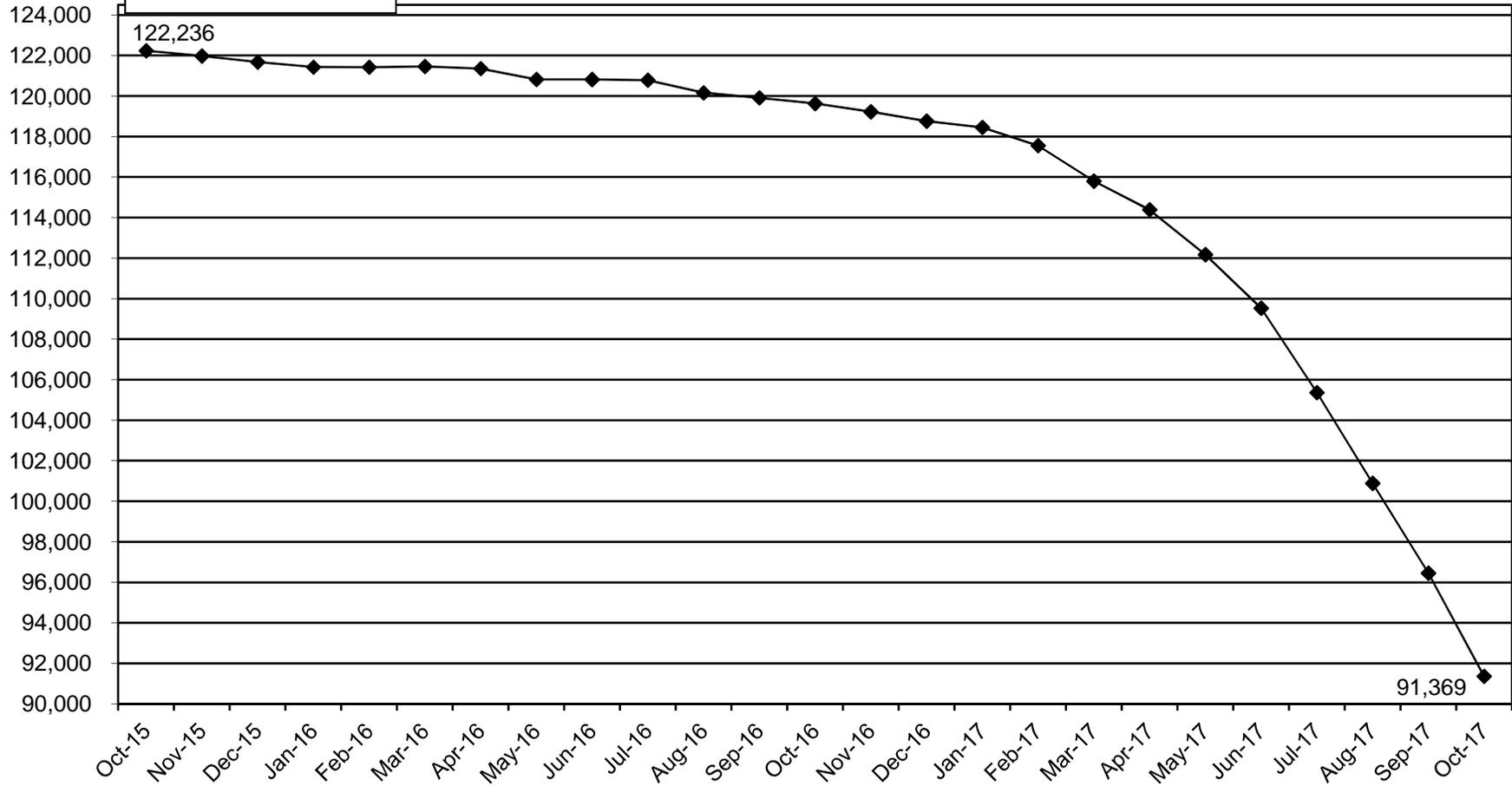
MTA Bridges and Tunnels Average Daily Traffic: October 2015 - October 2017 12-Month Rolling Averages



Ex. 3

MTA Bridges and Tunnels Average Daily Traffic: October 2015 - October 2017 12-Month Rolling Averages

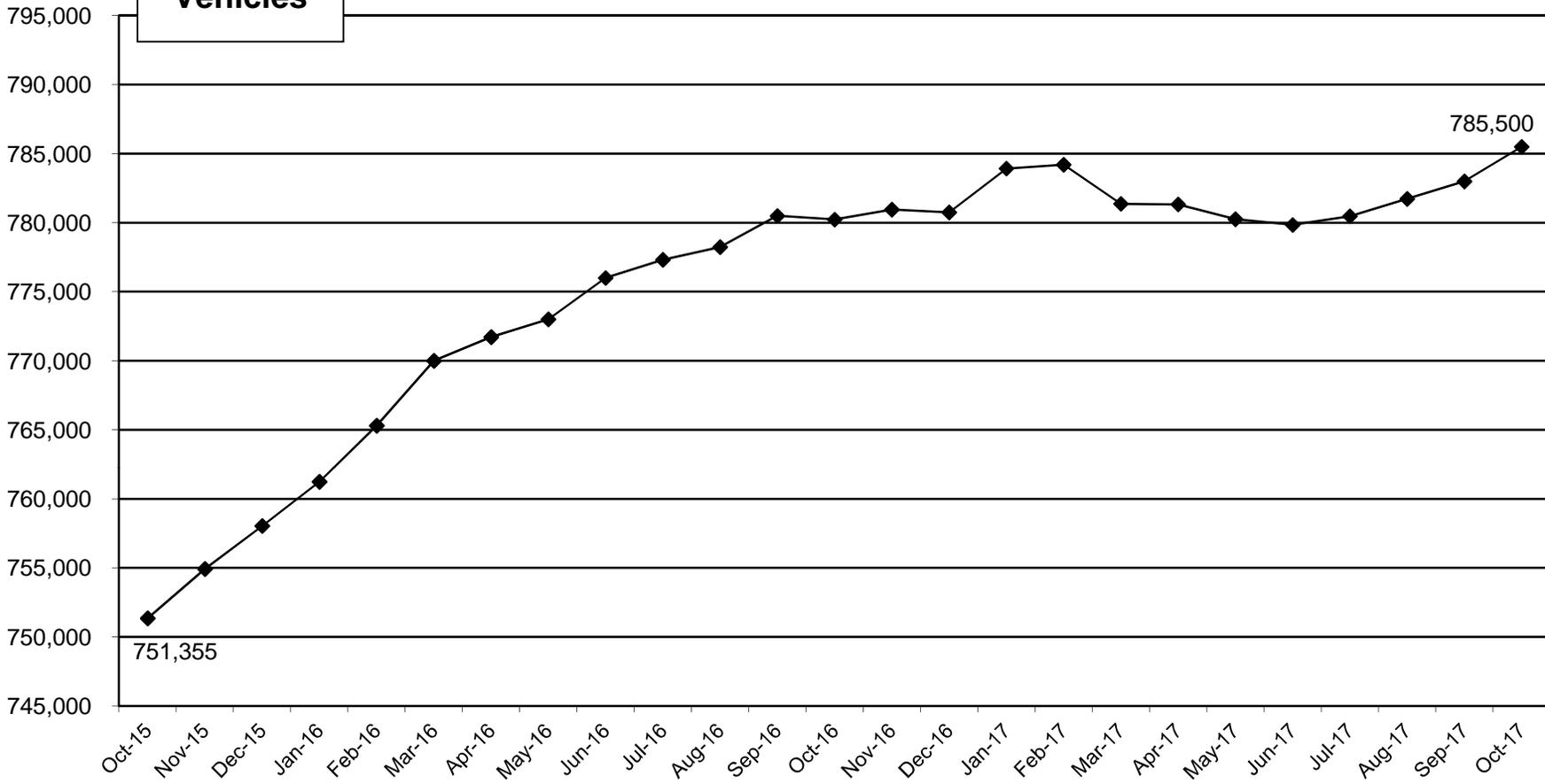
**Non-E-ZPass
Vehicles***



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

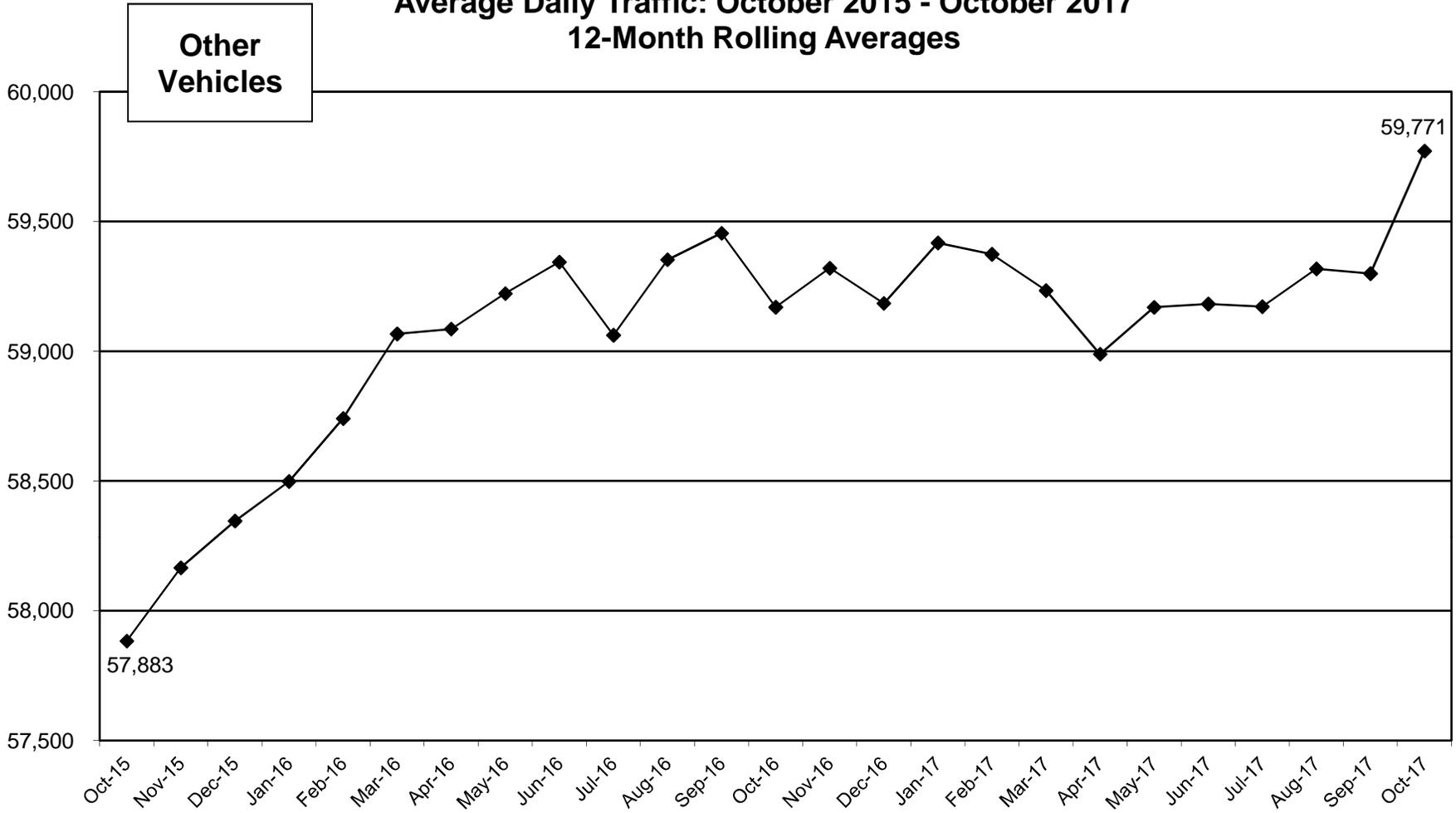
MTA Bridges and Tunnels Average Daily Traffic: October 2015 - October 2017 12-Month Rolling Averages

**Passenger
Vehicles**



Ex. 5

MTA Bridges and Tunnels Average Daily Traffic: October 2015 - October 2017 12-Month Rolling Averages



Ex. 6

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

Corridor	Toll Media	Oct ⁽¹⁾	3 Months ⁽²⁾ (Aug-Oct)	6 Months ⁽³⁾ (May-Oct)	9 Months ⁽⁴⁾ (Feb-Oct)	12 Months ⁽⁵⁾ (Nov-Oct)
All Facilities	Total Vehicles	4.2%	2.6%	1.1%	0.3%	0.7%
	E-ZPass	13.1%	10.5%	7.4%	5.3%	4.7%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-52.3%	-45.1%	-36.0%	-29.6%	-23.6%
RFK Bridge	Total Vehicles	5.0%	5.2%	2.1%	0.8%	1.3%
	E-ZPass	17.1%	17.6%	12.3%	8.8%	7.8%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-55.8%	-54.2%	-45.4%	-36.8%	-29.2%
Queens Midtown Tunnel Hugh L. Carey Tunnel	Total Vehicles	5.9%	1.9%	-3.4%	-6.3%	-7.2%
	E-ZPass	11.6%	7.5%	1.8%	-1.7%	-3.3%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-50.3%	-49.8%	-50.2%	-49.7%	-43.5%
Bronx-Whitestone Bridge Throgs Neck Bridge	Total Vehicles	0.8%	-0.8%	-0.3%	-3.4%	1.2%
	E-ZPass	11.1%	5.7%	4.7%	0.7%	4.6%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-50.8%	-32.3%	-23.9%	-29.8%	-15.0%
Verrazano-Narrows Bridge	Total Vehicles	6.2%	4.7%	3.5%	2.8%	3.4%
	E-ZPass	15.4%	14.0%	10.2%	7.7%	7.4%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-56.1%	-56.0%	-38.9%	-29.6%	-22.8%
Henry Hudson Bridge	Total Vehicles	4.7%	3.3%	4.1%	3.9%	4.0%
	E-ZPass	6.7%	5.0%	5.3%	4.8%	4.6%
	Tolls By Mail	-24.2%	-19.6%	-12.4%	-8.4%	-5.0%
Marine Parkway Bridge Cross Bay Bridge	Total Vehicles	5.9%	2.4%	2.1%	1.2%	1.5%
	E-ZPass	13.7%	11.0%	10.7%	7.7%	6.6%
	Cash/Tolls by Mail ⁽⁶⁾⁽⁷⁾	-54.3%	-54.5%	-51.4%	-41.5%	-33.3%

(1) October 2017 vs. October 2016

(2) August 2017 to October 2017 vs. August 2016 to October 2016

(3) May 2017 to October 2017 vs. May 2016 to October 2016

(4) February 2017 to October 2017 vs. February 2016 to October 2016

(5) November 2016 to October 2017 vs. November 2015 to October 2016

(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

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

Corridor	Toll Media	Oct ⁽¹⁾	3 Months ⁽²⁾ (Aug-Oct)	6 Months ⁽³⁾ (May-Oct)	9 Months ⁽⁴⁾ (Feb-Oct)	12 Months ⁽⁵⁾ (Nov-Oct)
All Facilities	Total Vehicles	4.2%	2.6%	1.1%	0.3%	0.7%
	Passenger	3.8%	2.5%	1.0%	0.3%	0.7%
	Other	9.5%	3.9%	2.6%	0.8%	1.0%
RFK Bridge	Total Vehicles	5.0%	5.2%	2.1%	0.8%	1.3%
	Passenger	4.4%	5.1%	2.0%	0.7%	1.3%
	Other	12.2%	7.3%	4.3%	1.9%	1.5%
Queens Midtown Tunnel Hugh L. Carey Tunnel	Total Vehicles	5.9%	1.9%	-3.4%	-6.3%	-7.2%
	Passenger	5.9%	2.1%	-3.4%	-6.4%	-7.4%
	Other	5.6%	0.0%	-3.4%	-5.5%	-5.2%
Bronx-Whitestone Bridge Throgs Neck Bridge	Total Vehicles	0.8%	-0.8%	-0.3%	-3.4%	1.2%
	Passenger	0.5%	-0.8%	-0.4%	-3.5%	1.2%
	Other	4.7%	-0.5%	0.6%	-1.9%	1.2%
Verrazano-Narrows Bridge	Total Vehicles	6.2%	4.7%	3.5%	2.8%	3.4%
	Passenger	5.6%	4.5%	3.3%	2.6%	3.3%
	Other	14.8%	8.4%	6.9%	4.9%	5.1%
Henry Hudson Bridge	Total Vehicles	4.7%	3.3%	4.1%	3.9%	4.0%
	Passenger	4.6%	3.3%	4.2%	4.0%	4.2%
	Other	19.3%	4.3%	0.4%	-4.1%	-9.9%
Marine Parkway Bridge Cross Bay Bridge	Total Vehicles	5.9%	2.4%	2.1%	1.2%	1.5%
	Passenger	4.9%	1.7%	1.5%	0.9%	1.2%
	Other	23.0%	16.2%	12.7%	7.0%	5.4%

(1) October 2017 vs. October 2016

(2) August 2017 to October 2017 vs. August 2016 to October 2016

(3) May 2017 to October 2017 vs. May 2016 to October 2016

(4) February 2017 to October 2017 vs. February 2016 to October 2016

(5) November 2016 to October 2017 vs. November 2015 to October 2016

Supplemental Data Page for the Report on Operations

<u>Month</u>	<u>Traffic & Average Gas Price⁽¹⁾</u>		<u>Weather⁽²⁾</u>			<u>Precipitation Days</u>
	<u>Traffic</u>	<u>Gas</u>	<u>Average Temperature</u>	<u>Rain Inches</u>	<u>Snow Inches</u>	
Oct-15	26,225,167	\$2.29	59	3.4	-	7
Nov-15	24,808,987	\$2.25	54	1.7	-	5
Dec-15	25,398,337	\$2.18	50	3.9	-	17
Jan-16	22,206,860	\$2.05	36	4.2	28.8	7
Feb-16	22,379,445	\$1.90	39	4.4	5.6	13
Mar-16	25,678,007	\$1.93	49	1.3	1.8	11
Apr-16	25,460,062	\$2.17	53	1.7	-	11
May-16	27,041,559	\$2.33	64	3.9	-	11
Jun-16	27,281,473	\$2.38	74	2.2	-	9
Jul-16	27,279,840	\$2.31	81	5.0	-	12
Aug-16	27,620,446	\$2.22	82	1.1	-	10
Sep-16	26,043,256	\$2.23	74	2.5	-	9
Oct-16	26,022,431	\$2.27	61	4.8	-	6
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	43	1.9	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	27,505,587	\$2.44	79	4.3	-	8
Aug-17	28,132,320	\$2.51	76	3.3	-	13
Sep-17	26,498,572	\$2.83	72	1.8	-	5
Oct-17	27,109,361	\$2.65	66	3.8	-	9

Note: Bold numbers are preliminary.

TABLE 2 - Year-over-Year Differences

<u>Month</u>	<u>Traffic & Gas Monthly Inc/(Dec)</u>		<u>Weather Monthly Inc/(Dec)</u>			<u>Precipitation Days</u>
	<u>Traffic</u>	<u>Gas</u>	<u>Average Temperature</u>	<u>Rain Inches</u>	<u>Snow Inches</u>	
2016 vs. 2015						
October	(202,736)	(\$0.02)	2	1.4	-	(1)
November	321,071	\$0.14	(1)	3.7	-	3
December	(125,179)	\$0.26	(10)	(0.9)	3	(7)
2017 vs. 2016						
January	1,245,792	\$0.49	4	(0.3)	(19)	8
February	(758,678)	\$0.59	4	(2.5)	5	(7)
March	(1,082,389)	\$0.51	(8)	3.4	8	(1)
April	(105,232)	\$0.35	5	2.4	-	1
May	(323,809)	\$0.18	(1)	2.1	-	1
June	(148,208)	\$0.11	0	2.0	-	0
July	225,747	\$0.13	(2)	(0.7)	-	(4)
August	511,874	\$0.29	(6)	2.2	-	3
September	455,316	\$0.60	(2)	(0.7)	-	(4)
October	1,086,930	\$0.38	5	(1.0)	-	3

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

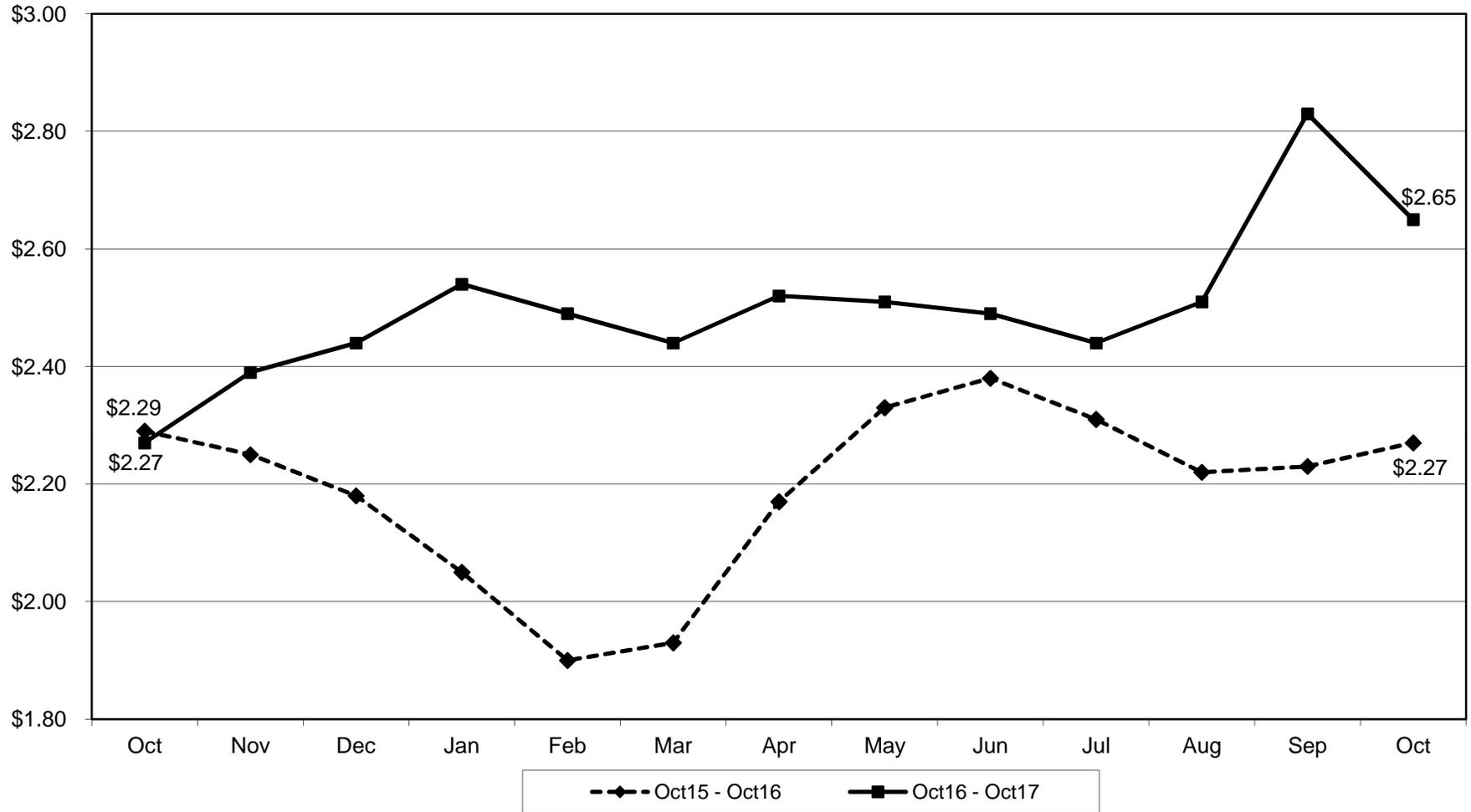
Average Daily Traffic: 12-Month Rolling Averages

<u>Month</u>	<u>All Vehicles¹</u>	<u>E-ZPass</u>	<u>Non-E-ZPass²</u>	<u>Passenger</u>	<u>Other</u>
Oct-15	809,239	687,002	122,236	751,355	57,883
Nov-15	813,097	691,118	121,979	754,931	58,166
Dec-15	816,384	694,706	121,678	758,038	58,346
Jan-16	819,736	698,310	121,426	761,238	58,498
Feb-16	824,042	702,619	121,423	765,302	58,741
Mar-16	829,073	707,615	121,458	770,006	59,067
Apr-16	830,808	709,454	121,354	771,723	59,086
May-16	832,232	711,414	120,817	773,009	59,222
Jun-16	835,349	714,533	120,816	776,005	59,343
Jul-16	836,384	715,603	120,780	777,322	59,062
Aug-16	837,587	717,430	120,157	778,235	59,353
Sep-16	839,955	720,046	119,909	780,500	59,455
Oct-16	839,401	719,772	119,629	780,231	59,169
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	839,643	734,274	105,370	780,472	59,172
Aug-17	841,046	740,157	100,888	781,728	59,318
Sep-17	842,293	745,837	96,456	782,994	59,299
Oct-17	845,271	753,902	91,369	785,500	59,771

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 October 2015 - October 2017





Bridges and Tunnels

Safety Report October 2017



Safety Report

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

Performance Indicator			
Performance Indicator	12-Month Average		
	November 2014 - October 2015	November 2015 - October 2016	November 2016 - October 2017
Customer Collisions Rate for Bridge Customers per Million Vehicles	5.72	7.28	8.20
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.92	0.92	1.05
Employee Accident Reports	256	248	260
Employee Lost Time Injuries Rate per 200,000 worker hours	4.9	6.8	6.5
Construction Injuries per 200,000 worker hours	2.77	2.04	1.31

Leading Indicators				
Roadway Safety	2016		2017	
	October	Year End	October	Year to Date
Workforce Development (# of Participants)	62	740	144	837
Fleet Preventative Maintenance Insp.	108	1281	145	1201
Safety Taskforce Inspections	2	13	1	8
Construction Safety	October	Year End	October	Year to Date
Construction Safety Inspections	377	4161	329	2907
Fire Safety	October	Year End	October	Year to Date
Fire Code Audits Completed	1	13	1	12
FDNY Liaison Visits	10	25	4	23

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.

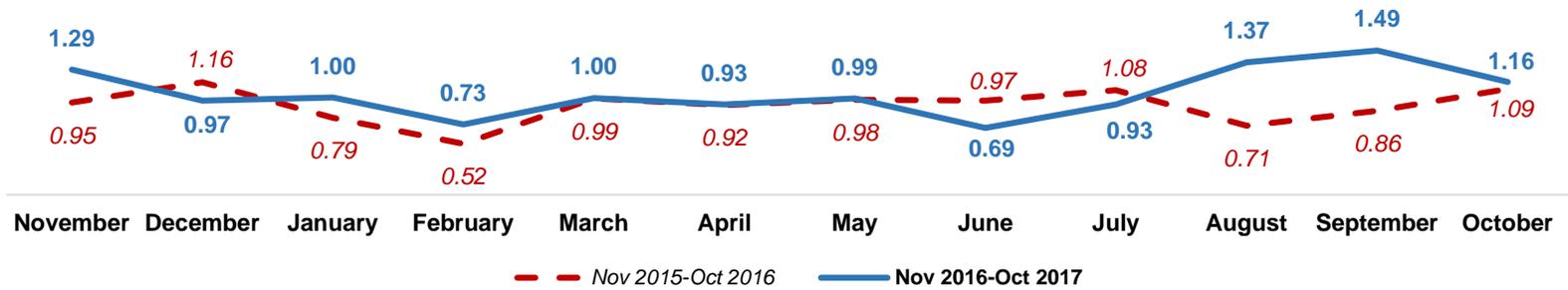
Fire Code Audits are required by the NYS Uniform Fire Prevention Code. They are conducted by the Safety and Health Department at each building and facility throughout the Agency. They feature a review of fire prevention activities and the condition of fire fighting and suppression equipment.

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.

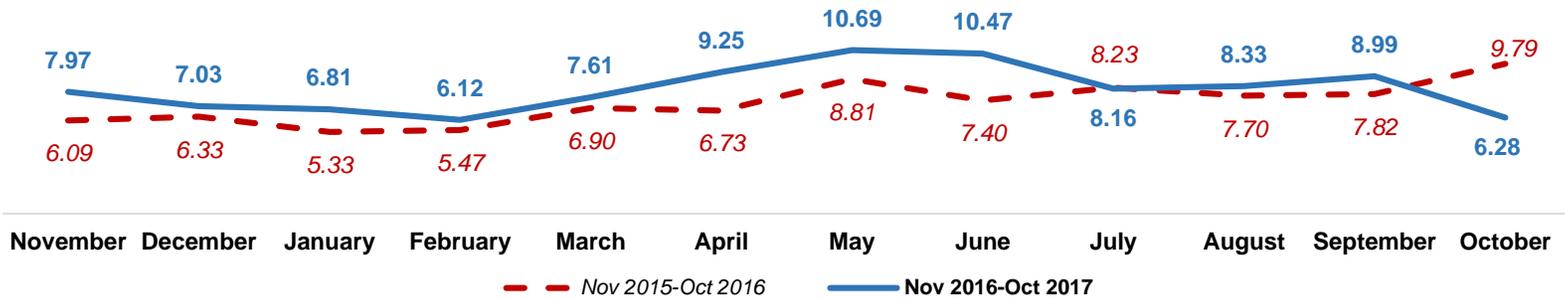


Collision Rates – All Facilities Year over Year Comparison of Monthly Data

Collisions with Injuries per Million Vehicles



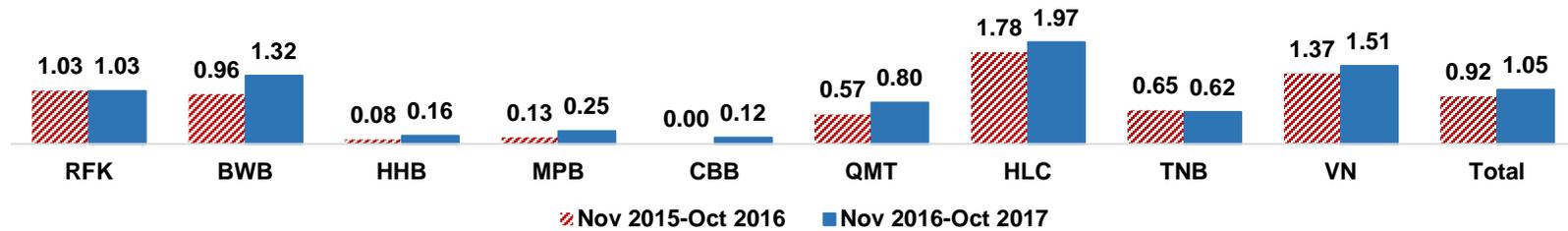
Total Collisions per Million Vehicles



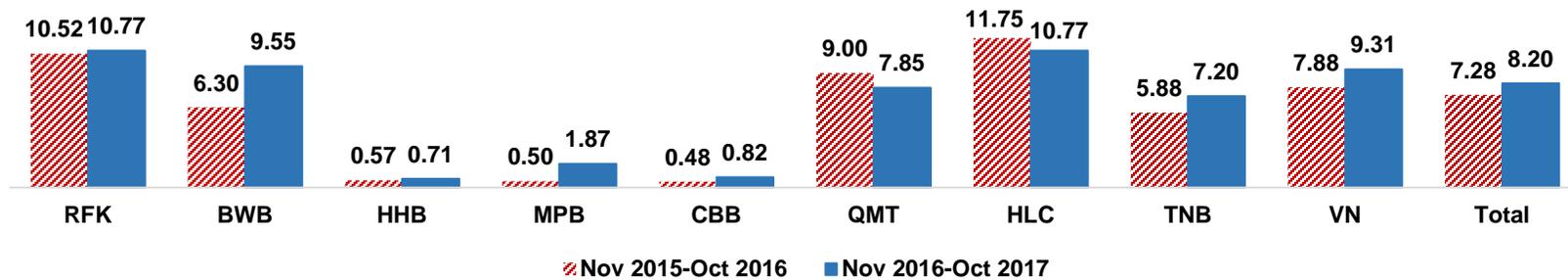


Collision Rates by Facility Year over Year Comparison of 12 Month Averages

Collisions with Injuries per Million Vehicles



Total Collisions per Million Vehicles





Collision Rates by Facility

Total Collisions per Million Vehicles: November 2016 – October 2017

	16-Nov	16-Dec	17-Jan	17-Feb	17-Mar	17-Apr	17-May	17-Jun	17-Jul	17-Aug	17-Sep	17-Oct
RFK	14.15	8.83	6.56	9.64	13.98	13.77	18.13	14.07	6.94	8.87	7.51	7.42
BWB	7.92	4.76	5.37	5.22	6.09	11.33	11.59	13.54	11.30	13.35	13.28	9.02
TNB	4.74	2.79	3.32	3.93	6.01	5.91	11.67	12.63	9.14	8.19	10.40	5.82
VNB	6.93	8.58	9.81	8.83	7.48	9.82	9.32	10.94	11.82	10.43	10.67	6.66
QMT	7.97	10.73	10.30	2.21	7.36	11.78	7.93	11.18	3.64	5.51	7.93	7.74
HLC	13.65	18.19	15.78	7.63	7.36	8.99	14.20	6.55	10.23	6.94	14.78	5.28
HHB	1.88	0.98	0.54	0.57	1.50	0.46	0.43	0.43	0.45	0.46	0.00	0.87
MPB	0.00	1.62	1.76	1.97	1.67	5.03	1.41	0.00	3.51	2.45	1.42	1.54
CBB	0.00	1.49	0.00	0.00	2.99	1.49	0.00	1.22	1.18	0.00	1.38	0.00
Total	7.97	7.03	6.81	6.12	7.61	9.25	10.69	10.47	8.16	8.33	8.99	6.28



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:

- 43,245 summonses issued in the YTD October 2017 period—58.8% higher than in the same period in 2016.
- 3,825 summonses issued in October 2017—2.3% higher than in October 2016.
- 74.5% (32,210) of the summonses issued in the YTD October 2017 period were safety related. Types of safety summonses include Speeding, Disobey Traffic Control Devices, Unsafe Lane Change, and Unsafe Backing.
- 71.5% (2,736) of the summonses issued in October 2017 were safety related.

Summons Type	October 2017	October 2016	% Change
Speed	424	730	(41.9%)
Disobey Signs/Traffic Control Device	891	668	33.4%
Cell Phone/Texting	207	202	2.5%
Unsafe Lane Change/Failure to Signal	336	137	145.3%
*All Other	1,967	2,003	(1.8%)
Total	3,825	3,740	2.3%

Summons Type	YTD October 2017	YTD October 2016	% Change
Speed	4,861	5,021	(3.2%)
Disobey Signs/Traffic Control Device	11,635	5,678	104.9%
Cell Phone/Texting	2,091	1,352	54.7%
Unsafe Lane Change/Failure to Signal	2,501	824	203.5%
*All Other	22,157	14,361	54.3%
Total	43,245	27,236	58.8%

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



Bridges and Tunnels

E-ZPass Performance Report October 2017



**MTA Bridges and Tunnels
E-ZPASS Performance Report
October 2017**
Preliminary data subject to final audit

E-ZPass Performance at All B&T Facilities			
	October 2017	Year to Date	October 2016
Total E-ZPass Traffic ¹	25,412,624	231,623,653	22,468,803
E-ZPass Market Share: Total	93.7%	89.7%	86.3%
Cars	93.7%	89.4%	85.8%
Trucks	94.7%	94.0%	93.4%

Weekday E-ZPass Performance by Facility²			
Facility	October Average E-ZPass Weekday Traffic and Market Share		
	2017 Average Traffic	2017 Market Share	2016 Market Share
Bronx-Whitestone Bridge	116,552	91.0%	83.8%
Cross Bay Veterans Memorial Bridge	23,572	94.7%	88.4%
Henry Hudson Bridge	71,591	95.9%	94.4%
Hugh L. Carey Tunnel	51,390	95.9%	92.1%
Marine Parkway-Gil Hodges Memorial Bridge	21,621	96.0%	90.6%
Queens Midtown Tunnel	77,215	96.0%	91.7%
Robert F. Kennedy Bridge	176,238	93.7%	85.0%
Throgs Neck Bridge	111,949	94.3%	87.1%
Verrazano-Narrows Bridge ¹	<u>197,010</u>	<u>95.5%</u>	<u>89.0%</u>
All Facilities ¹	847,138	94.4%	88.1%

Notes:

1. At the Verrazano-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 E-ZPass traffic and market share figures average data for all weekdays except for holidays

MTA Bridges and Tunnels
E-ZPASS Performance Report
October 2017
Preliminary data subject to final audit

Weekday Peak Hour E-ZPass Performance by Facility³				
Facility	October E-ZPass Market Share			
	2017 AM Peak	2016 AM Peak	2017 PM Peak	2016 PM Peak
Bronx-Whitestone Bridge	95.5%	88.1%	93.5%	84.6%
Cross Bay Veterans Memorial Bridge	96.3%	91.8%	94.7%	88.9%
Henry Hudson Bridge	97.5%	95.9%	96.5%	94.6%
Hugh L. Carey Tunnel	97.2%	94.6%	95.4%	91.8%
Marine Parkway-Gil Hodges Memorial Bridge	97.1%	92.5%	96.0%	89.8%
Queens Midtown Tunnel	96.9%	93.7%	95.9%	91.9%
Robert F. Kennedy Bridge	95.7%	88.1%	94.1%	85.4%
Throgs Neck Bridge	96.1%	91.3%	94.1%	87.7%
Verrazano-Narrows Bridge ⁴	N/A	N/A	96.7%	91.7%
All Facilities	96.3%	91.0%	95.0%	88.8%

Weekend E-ZPass Performance by Facility			
Facility	October Average E-ZPass Weekend Traffic and Market Share		
	2017 Avg. Traffic	2017 Market Share	2016 Market Share
Bronx-Whitestone Bridge	114,307	88.7%	77.4%
Cross Bay Veterans Memorial Bridge	17,721	93.4%	85.0%
Henry Hudson Bridge	67,772	94.0%	91.9%
Hugh L. Carey Tunnel	35,057	95.2%	88.4%
Marine Parkway-Gil Hodges Memorial Bridge	16,197	94.7%	87.6%
Queens Midtown Tunnel	44,206	93.9%	86.9%
Robert F. Kennedy Bridge	166,794	91.3%	80.1%
Throgs Neck Bridge	118,072	92.1%	81.9%
Verrazano-Narrows Bridge ¹	<u>182,644</u>	92.9%	83.8%
All Facilities ¹	762,770	92.1%	82.9%

Notes:

3. Peak E-ZPass market shares report the market share figures for all vehicles during the highest overall traffic hour in the AM and PM periods at each facility.
4. AM peak figures are not compiled for the eastbound direction because tolls are collected in westbound lanes only.

**MTA Bridges and Tunnels
E-ZPASS Performance Report
October 2017**

Preliminary data subject to final audit

E-ZPass Interoperability Statistics

B&T E-ZPass Transactions From Other Agencies ⁵			
Customer's E-ZPass Agency	October 2017 Total B&T E-ZPass Transactions	October 2017 Percentage of B&T Total Transactions	October 2016 Percentage of B&T Total Transactions
New York State Thruway Authority ⁶	2,098,592	8.76%	8.42%
Port Authority of NY and NJ	1,304,653	5.44%	5.26%
New Jersey Toll Agencies ⁷	1,113,689	4.65%	5.11%
Massachusetts Turnpike Authority ⁸	188,655	0.79%	0.53%
Pennsylvania Turnpike Commission	117,595	0.49%	0.48%
Maryland Transportation Authority	48,390	0.20%	0.19%
Virginia Department of Transportation ⁹	41,016	0.17%	0.16%
New Hampshire Department of Transportation	16,780	0.07%	0.08%
Delaware Department of Transportation	19,534	0.08%	0.07%
Other ¹⁰	<u>66,379</u>	<u>0.28%</u>	<u>0.24%</u>
Total	5,015,283	20.93%	20.54%

Other Agency B&T E-ZPass Transactions			
Agency Used By B&T Customers	October 2017	YTD 2017	October 2016
New York State Thruway Authority ⁶	3,377,497	30,093,136	3,107,526
Port Authority of NY and NJ	4,018,011	37,429,165	3,738,452
New Jersey Toll Agencies ⁷	5,992,954	64,197,070	5,951,012
New York State Bridge Authority	358,473	2,985,113	322,170
Massachusetts Turnpike Authority ⁸	755,877	7,138,624	530,810
Pennsylvania Turnpike Commission	373,326	3,307,339	346,731
Maryland Transportation Authority	379,228	4,038,318	381,158
Virginia Department of Transportation ⁹	214,825	2,163,288	205,924
New Hampshire Department of Transportation	159,937	1,388,683	145,167
Delaware Department of Transportation	278,790	3,008,316	247,984
Other ¹⁰	<u>512,156</u>	<u>4,524,498</u>	<u>470,165</u>
Total	16,421,074	160,273,550	15,447,099

Notes:

5. "B&T E-ZPass Transactions From Other Agencies" excludes an estimate of VNB travel in the untolled eastbound direction in order to maintain comparability with the figures reported in "Others Agency B&T E-ZPass Transactions."
6. Includes Buffalo and Fort Erie Public Bridge Authority.
7. Includes South Jersey Transportation Authority, New Jersey Turnpike Authority, Garden State Parkway, Delaware River Port Authority, Delaware River and Bay Authority, Delaware River Joint Toll Bridge Commission and the Burlington County Bridge Commission.
8. Includes Massachusetts Port Authority.
9. Includes Dulles Greenway, Dulles Toll Road, Powhite Parkway Extension, RMA Expressway System, George P. Coleman Bridge, Chesapeake Bay Bridge and Tunnel Commission, and Chesapeake Expressway.
10. Other agencies include Illinois State Toll Highway Authority, Maine Turnpike Authority, West Virginia Parkway Authority, Indiana Toll Road Concession Company, and Rhode Island Bridge and Tunnel Authority, Ohio Turnpike Commission, North Carolina Turnpike Authority, Niagara Falls Bridge Commission and Chicago Skyway Concession Company.

E-ZPASS Performance Report
October 2017
Preliminary data subject to final audit

E-ZPass Customer Service Statistics

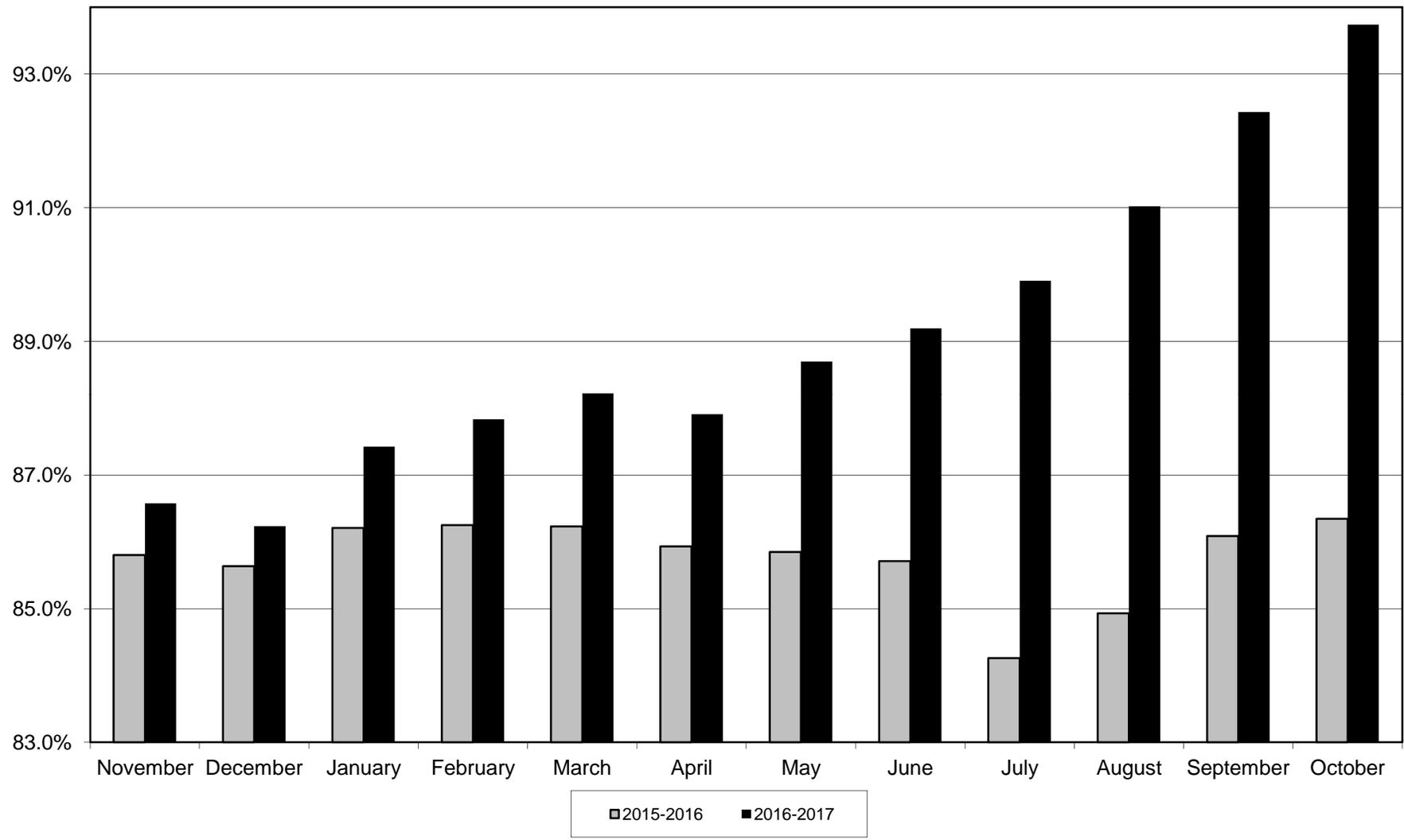
MTA Bridges and Tunnels Customers				
	October 2017	YTD 2017	YTD 2016	
Accounts Opened:				
Internet	20,643	164,527	86,054	
Walk-In	5,540	48,800	27,790	
Mail	488	5,166	2,741	
On-The-Go	<u>5,629</u>	<u>112,962</u>	<u>104,728</u>	
Total Accounts Opened	32,300	331,455	221,313	
Total Active Accounts		3,370,456	3,085,466	
Number of E-ZPass Tags Issued ¹¹	66,964	776,639	543,257	
Total Active Tags ¹²		5,298,696	4,889,677	
Total Reload Cards Distributed	4,347	170,684	170,642	
Reload Card % of Cash Replenishments	23.0%	20.2%	17.4%	

Customer Service Indicators				
	October 2017	YTD 2017	YTD 2016	
Phone Calls Answered by Customer Service Center:				
Customer Service Representatives	396,314	3,602,211	2,925,539	
Automated System	<u>775,745</u>	<u>7,681,428</u>	<u>6,322,948</u>	
Total Phone Calls Answered	1,172,059	11,283,639	9,248,487	
Average Phone Call Waiting Time (in min.):				
General Call Unit	2.10	0.28	0.37	
Commercial Call Unit	1.01	0.33	0.40	
Avg. Monthly B&T E-ZPass Trips Per Account	6.07	5.67	5.73	
Average Number of Active Tags Per Account	1.57	1.57	1.59	

E-ZPass Tag Replacement Program				
	October 2017	YTD 2017	2011-2017	
Number of Replacement Tags Mailed	5,068	74,826	2,032,785	
Number of Tags Returned ¹³	10,520	85,173	2,009,720	
Number of Tags Pending Return	N/A	N/A	23,065	

11. Includes tags for new accounts, additional tags for existing accounts, and replacement of lost or stolen tags for existing accounts. Excludes tags processed and reported within the E-ZPass Tag Replacement Program, which replaces tags that are approaching the end of their useful service lives with new tags.
12. Includes tags linked to active accounts, new tags issued through the E-ZPass Tag Replacement Program, and the associated replaced tags currently moving through the program's return process.
13. Includes tags reported as lost or stolen by the customer, and deactivated. Also, includes tags mailed in 2015 but returned in 2016.

MTA Bridges and Tunnels E-ZPass Market Shares November 2015 through October 2017





Bridges and Tunnels

Financial Report October 2017



MTA BRIDGES & TUNNELS
STATEMENT OF NET POSITION

As of October 31, 2017

(in thousands)

ASSETS AND DEFERRED OUTFLOWS OF RESOURCES

CURRENT ASSETS:

Cash-Unrestricted	14,033
Investments:	
Unrestricted	165,191
Restricted	1,179,505
Accrued interest receivable	2,604
Accounts receivable	35,775
Less allowance for uncollectible accounts	-35,615
Tolls due from other agencies	37,945
Insurance recovery receivable	96,325
Less allowance for insurance recovery	-96,325
Due (to)/from MTA - change in fair value of derivative	0
Prepaid expenses	7,056
	<u>7,056</u>
 Total current assets	 <u>1,406,495</u>

NONCURRENT ASSETS:

Investments:	
Restricted	7
Facilities, less acc.dep of \$1,661,183	5,830,322
Capital lease 2 Broadway net acc. dep.	39,061
Derivative Hedge Assets	3,564
Security Deposits	-
	<u>-</u>
 Total noncurrent assets	 <u>5,872,955</u>

TOTAL ASSETS: 7,279,450

DEFERRED OUTFLOWS OF RESOURCES:

Deferred outflows of resources related to Pension	112,529
Accumulated decreases in fair value of derivative instruments	178,291
Defeasance costs	247,531
	<u>247,531</u>

TOTAL DEFERRED OUTFLOWS OF RESOURCES: 538,350

TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES 7,817,800

MTA BRIDGES & TUNNELS**STATEMENT OF NET POSITION**

As of October 31, 2017

(in thousands)

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

Current portion-long term debt	617,250
Interest Payable	149,422
Accounts Payable	211,559
Accrued Pension Payable	12,999
Payable to MTA-CAP	360,762
Due to MTA-Operating Expenses	2,946
Due to NYCTA-Operating Expenses	787
Accrued salaries	22,502
Accrued Vac & Sick Benefits	16,897
Current portion of estimated liability arising from injury	-
Current portion of capital lease obligation	-
Pollution remediation projects	1,829
Due to New York City Transit Authority	55,643
Due to Metropolitan Transportation Authority	75,439
Unredeemed Tolls	112,424
Tolls due to other agencies	63,971
E-ZPass Airport Toll Liability	8,071
	<hr/>
Total current liabilities	1,712,499

NONCURRENT LIABILITIES:

Long term debt	8,933,413
Post Employment Benefits Other than Pensions	705,158
Estimated liability arising from injury	43,047
Capital lease obligations	54,525
Derivative Hedge Liabilities	166,831
Due (to)/from MTA - change in fair value of derivative	15,024
Net Pension Liability	307,596
Security deposits-Contra	-
	<hr/>
Total noncurrent liabilities	10,225,593

DEFERRED INFLOW OF RESOURCES

Deferred Inflow of resources related to Pension	39,856
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TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES

11,977,949

NET POSITION

-4,160,149 ***TOTAL LIABILITIES, DEFERRED INFLOWS OF**

7,817,800

*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 - 2017 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
OCTOBER 2017

(\$ 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	165.705	168.712	3.007	1.8	0.000	0.000	0.000	-	165.705	168.712	3.007	1.8
Other Operating Revenue	1.603	1.496	(0.107)	(6.7)	0.000	0.000	0.000	-	1.603	1.496	(0.107)	(6.7)
Capital & Other Reimbursements	0.000	0.000	0.000	-	1.871	0.020	(1.851)	(98.9)	1.871	0.020	(1.851)	(98.9)
Investment Income	0.081	0.160	0.078	96.6	0.000	0.000	0.000	-	0.081	0.160	0.078	96.6
Total Revenue	\$167.389	\$170.368	\$2.978	1.8	\$1.871	\$0.020	(\$1.851)	(98.9)	\$169.260	\$170.388	\$1.128	0.7
Expenses												
<i>Labor:</i>												
Payroll	\$12.095	\$10.348	\$1.747	14.4	\$0.638	\$0.080	\$0.558	87.5	12.733	\$10.428	\$2.305	18.1
Overtime	2.270	2.388	(0.118)	(5.2)	0.244	(0.079)	0.323	*	2.514	2.309	0.204	8.1
Health and Welfare	2.645	2.323	0.322	12.2	0.137	0.016	0.121	88.4	2.782	2.339	0.443	15.9
OPEB Current Payment	1.640	1.717	(0.076)	(4.7)	0.000	0.000	0.000	-	1.640	1.717	(0.076)	(4.7)
Pensions	3.071	3.230	(0.159)	(5.2)	0.186	0.027	0.159	85.5	3.257	3.257	0.000	0.0
Other Fringe Benefits	1.583	1.393	0.191	12.0	0.089	0.012	0.077	86.6	1.673	1.405	0.268	16.0
Reimbursable Overhead	(0.575)	0.036	(0.611)	*	0.575	(0.036)	0.611	*	0.000	0.000	0.000	-
Total Labor Expenses	\$22.729	\$21.435	\$1.294	5.7	\$1.871	\$0.020	\$1.851	98.9	\$24.599	\$21.455	\$3.145	12.8
<i>Non-Labor:</i>												
Electric Power	\$0.538	\$0.171	\$0.367	68.2	\$0.000	\$0.000	\$0.000	-	\$0.538	\$0.171	\$0.367	68.2
Fuel	0.103	0.147	(0.044)	(42.6)	0.000	0.000	0.000	-	0.103	0.147	(0.044)	(42.6)
Insurance	0.942	0.779	0.163	17.3	0.000	0.000	0.000	-	0.942	0.779	0.163	17.3
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	16.766	14.567	2.200	13.1	0.000	0.000	0.000	-	16.766	14.567	2.200	13.1
Professional Service Contracts	3.482	1.798	1.684	48.4	0.000	0.000	0.000	-	3.482	1.798	1.684	48.4
Materials & Supplies	0.466	0.184	0.283	60.7	0.000	0.000	0.000	-	0.466	0.184	0.283	60.7
Other Business Expenses	2.985	2.085	0.900	30.1	0.000	0.000	0.000	-	2.985	2.085	0.900	30.1
Total Non-Labor Expenses	\$25.284	\$19.731	\$5.552	22.0	\$0.000	\$0.000	\$0.000	-	\$25.284	\$19.731	\$5.552	22.0
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.	\$48.012	\$41.166	\$6.847	14.3	\$1.871	\$0.020	\$1.851	98.9	\$49.883	\$41.186	\$8.697	17.4
Depreciation	\$8.245	\$14.001	(\$5.756)	(69.8)	\$0.000	\$0.000	\$0.000	-	8.245	\$14.001	(\$5.756)	(69.8)
OPEB Obligation	5.986	5.986	0.000	0.0	0.000	0.000	0.000	-	5.986	5.986	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.	\$62.243	\$61.152	\$1.091	1.8	\$1.871	\$0.020	\$1.851	98.9	\$64.114	\$61.172	\$2.941	4.6
Less: Depreciation	\$8.245	\$14.001	(\$5.756)	(69.8)	\$0.000	\$0.000	\$0.000	-	\$8.245	\$14.001	(\$5.756)	(69.8)
Less: OPEB Obligation	5.986	5.986	0.000	0.0	0.000	0.000	0.000	-	5.986	5.986	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	\$48.012	\$41.166	\$6.847	14.3	\$1.871	\$0.020	\$1.851	98.9	\$49.883	\$41.186	\$8.697	17.4
Net Surplus/(Deficit)	\$119.376	\$129.202	\$9.826	8.2	\$0.000	\$0.000	\$0.000	-	\$119.377	\$129.202	\$9.825	8.2

Differences are due to rounding.

*Variance exceeds 100%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2017 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
OCTOBER 2017
(\$ 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)									\$119.377	\$129.202	\$9.825	8.2
Less: Capitalized Assets									2.066	0.600	1.466	71.0
Reserves									2.293	2.293	0.000	0.0
GASB Reserves									0.000	0.000	0.000	-
Adjusted Net Income/(Deficit)									\$115.018	\$126.309	\$11.291	9.8
Less: Debt Service									55.703	53.553	2.150	3.9
Income Available for Distribution									\$59.315	\$72.756	\$13.441	22.7
Distributable To:												
MTA - Investment Income									0.081	0.160	0.078	96.6
MTA - Distributable Income									34.143	41.164	7.021	20.6
NYCTR - Distributable Income									25.090	31.432	6.342	25.3
Total Distributable Income									\$59.315	\$72.756	\$13.441	22.7
Support to Mass Transit:												
Total Revenues									169.260	170.388	1.128	0.7
Less: Total Operating Expenses									<u>49.883</u>	<u>41.186</u>	<u>8.697</u>	17.4
Net Operating Income/(Deficit)									\$119.377	\$129.202	\$9.825	8.2
Deductions from Net Operating Income:												
Capitalized Assets									2.066	0.600	1.466	71.0
Reserves									2.293	2.293	0.000	0.0
B&T Debt Service									25.696	22.367	3.329	13.0
GASB Reserves									0.000	0.000	0.000	-
Total Deductions From Operating Income									\$30.055	\$25.260	\$4.795	16.0
Total Support to Mass Transit									\$89.322	\$103.942	\$14.620	16.4

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 - 2017 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
OCTOBER Year-To-Date

(\$ in millions)

	Nonreimbursable				Reimbursable				Total			
	Mid Year Forecast	Actual	Favorable (Unfavorable)		Mid Year Forecast	Actual	Favorable (Unfavorable)		Mid Year Forecast	Actual	Favorable (Unfavorable)	
			Variance	Percent			Variance	Percent			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	1,597.215	1,596.906	(0.310)	(0.0)	0.000	0.000	0.000	-	1,597.215	1,596.906	(0.310)	(0.0)
Other Operating Revenue	15.730	16.270	0.539	3.4	0.000	0.000	0.000	-	15.730	16.270	0.539	3.4
Capital & Other Reimbursements	0.000	0.000	0.000	-	20.156	19.097	(1.059)	(5.3)	20.156	19.097	(1.059)	(5.3)
Investment Income	0.825	1.189	0.364	44.2	0.000	0.000	0.000	-	0.825	1.189	0.364	44.2
Total Revenue	\$1,613.770	\$1,614.365	\$0.594	0.0	\$20.156	\$19.097	(\$1.059)	(5.3)	\$1,633.927	\$1,633.462	(\$0.465)	(0.0)
Expenses												
<i>Labor:</i>												
Payroll	\$109.170	\$97.873	\$11.297	10.3	\$7.063	\$7.100	(\$0.037)	(0.5)	116.233	\$104.973	\$11.260	9.7
Overtime	23.529	24.250	(0.721)	(3.1)	2.257	1.290	0.967	42.9	25.786	25.540	0.246	1.0
Health and Welfare	24.004	22.135	1.869	7.8	1.520	1.523	(0.003)	(0.2)	25.524	23.658	1.866	7.3
OPEB Current Payment	16.392	16.742	(0.349)	(2.1)	0.000	0.000	0.000	-	16.392	16.742	(0.349)	(2.1)
Pensions	32.786	32.759	0.027	0.1	2.059	2.085	(0.026)	(1.2)	34.845	34.844	0.001	0.0
Other Fringe Benefits	15.543	14.831	0.713	4.6	0.988	0.999	(0.011)	(1.1)	16.531	15.830	0.701	4.2
Reimbursable Overhead	(6.269)	(6.100)	(0.169)	(2.7)	6.269	6.100	0.169	2.7	0.000	0.000	0.000	-
Total Labor Expenses	\$215.155	\$202.490	\$12.665	5.9	\$20.156	\$19.097	\$1.059	5.3	\$235.311	\$221.587	\$13.725	5.8
<i>Non-Labor:</i>												
Electric Power	\$4.214	\$3.475	\$0.739	17.5	0.000	\$0.000	\$0.000	-	\$4.214	\$3.475	\$0.739	17.5
Fuel	1.379	1.296	0.083	6.0	0.000	0.000	0.000	-	1.379	1.296	0.083	6.0
Insurance	9.396	8.732	0.664	7.1	0.000	0.000	0.000	-	9.396	8.732	0.664	7.1
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	118.565	113.193	5.372	4.5	0.000	0.000	0.000	-	118.565	113.193	5.372	4.5
Professional Service Contracts	36.514	29.749	6.764	18.5	0.000	0.000	0.000	-	36.514	29.749	6.764	18.5
Materials & Supplies	3.895	2.929	0.966	24.8	0.000	0.000	0.000	-	3.895	2.929	0.966	24.8
Other Business Expenses	28.348	26.797	1.551	5.5	0.000	0.000	0.000	-	28.348	26.797	1.551	5.5
Total Non-Labor Expenses	\$202.310	\$186.171	\$16.139	8.0	\$0.000	\$0.000	\$0.000	-	\$202.310	\$186.171	\$16.139	8.0
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.	\$417.465	\$388.661	\$28.804	6.9	\$20.156	\$19.097	\$1.059	5.3	\$437.621	\$407.758	\$29.864	6.8
Depreciation	\$111.364	\$132.450	(\$21.087)	(18.9)	0.000	\$0.000	\$0.000	-	111.364	\$132.450	(\$21.087)	(18.9)
OPEB Obligation	59.860	59.860	0.000	0.0	0.000	0.000	0.000	-	59.860	59.860	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.	\$588.688	\$580.971	\$7.717	1.3	\$20.156	\$19.097	\$1.059	5.3	\$608.845	\$600.068	\$8.777	1.4
Less: Depreciation	\$111.364	\$132.450	(\$21.087)	(18.9)	\$0.000	\$0.000	\$0.000	-	\$111.364	\$132.450	(\$21.087)	(18.9)
Less: OPEB Obligation	59.860	59.860	0.000	0.0	0.000	0.000	0.000	-	59.860	59.860	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	\$417.465	\$388.661	\$28.804	6.9	\$20.156	\$19.097	\$1.059	5.3	\$437.621	\$407.758	\$29.864	6.8
Net Surplus/(Deficit)	\$1,196.306	\$1,225.704	\$29.398	2.5	\$0.000	\$0.000	\$0.000	-	\$1,196.306	\$1,225.704	\$29.398	2.5

Differences are due to rounding.

*Variance exceeds 100%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2017 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
OCTOBER Year-To-Date
(\$ in millions)

	Nonreimbursable				Reimbursable				Total			
	Mid Year Forecast	Actual	Favorable (Unfavorable)		Mid Year Forecast	Actual	Favorable (Unfavorable)		Mid Year Forecast	Actual	Favorable (Unfavorable)	
			Variance	Percent			Variance	Percent			Variance	Percent
Net Income/(Deficit)									\$1,196.306	\$1,225.704	\$29.398	2.5
Less: Capitalized Assets									16.282	16.862	(\$0.579)	(3.6)
Reserves									22.929	22.929	0.000	0.0
GASB Reserves									0.000	0.000	0.000	-
Adjusted Net Income/(Deficit)									\$1,157.094	\$1,185.913	\$28.819	2.5
Less: Debt Service									551.140	539.168	11.972	2.2
Income Available for Distribution									\$605.954	\$646.745	\$40.791	6.7
Distributable To:												
MTA - Investment Income									0.825	1.189	0.364	44.2
MTA - Distributable Income									347.465	372.022	24.557	7.1
NYCTR - Distributable Income									257.664	273.534	15.870	6.2
Total Distributable Income									\$605.954	\$646.745	\$40.791	6.7
Support to Mass Transit:												
Total Revenues									1,633.927	1,633.462	(0.465)	(0.0)
Less: Total Operating Expenses									<u>437.621</u>	<u>407.758</u>	<u>29.864</u>	6.8
Net Operating Income/(Deficit)									\$1,196.306	\$1,225.704	\$29.398	2.5
Deductions from Net Operating Income:												
Capitalized Assets									16.282	16.862	(0.579)	(3.6)
Reserves									22.929	22.929	0.000	0.0
B&T Debt Service									252.970	224.105	28.866	11.4
GASB Reserves									0.000	0.000	0.000	-
Total Deductions From Operating Income									\$292.182	\$263.896	\$28.286	9.7
Total Support to Mass Transit									\$904.124	\$961.808	\$57.684	6.4

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 - 2017 MID-YEAR FORECAST
EXPLANATION OF VARIANCES BETWEEN BUDGET AND ACTUAL ACCRUAL BASIS
(\$ in millions)

Generic Revenue or Expense Category	Favorable/ (Unfavorable) Variance		Reason for Variance	Favorable/ (Unfavorable) Variance		Reason for Variance
	Year-to-Date			Year-to-Date		
	\$	%		\$	%	
Nonreimbursable						
Vehicle Toll Revenue	3.007	1.8%	Higher toll revenue due to 3.2% higher traffic	(0.310)	0.0%	Lower toll revenue due to a 0.8% lower average YTD toll
Other Operating Revenue	(0.107)	-6.7%	Lower Other Operating Revenue primarily due to lower E-ZPass administrative fees	0.539	3.4%	Higher Other Operating Revenue primarily due to the receipt of FEMA reimbursements for Sandy-restoration work
Investment Income	0.078	96.6%	Minor variance	0.364	44.2%	Minor variance
Payroll	1.747	14.4%	Lower payroll expenses against the monthly forecast allocation primarily due to vacancies	11.297	10.3%	Lower payroll expenses against the YTD forecast allocation primarily due to vacancies
Overtime	(0.118)	-5.2%	See overtime tables	(0.721)	-3.1%	See overtime tables
Health and Welfare	0.322	12.2%	Lower expenses primarily due to vacancies	1.869	7.8%	Lower expenses primarily due to vacancies
OPEB Current Payment	(0.076)	-4.7%	Higher expenses primarily due to higher than forecast retiree participation in post-employment health insurance benefits	(0.349)	-2.1%	Higher expenses primarily due to higher than forecast retiree participation in post-employment health insurance benefits
Pensions	(0.159)	-5.2%	Higher non-reimbursable expenses due to higher than allocated capital reimbursement offsets. Total non-reimbursable and reimbursable expenses are at the forecasted level	0.027	0.1%	Lower non-reimbursable expenses due to lower than allocated capital reimbursement offsets. Total non-reimbursable and reimbursable variance is minor
Other Fringe Benefits	0.191	12.0%	Lower expenses primarily due vacancies	0.713	4.6%	Lower expenses primarily due vacancies
Electric Power	0.367	68.2%	Lower electricity expenses primarily due to timing against the monthly forecast allocation	0.739	17.5%	Lower electricity expenses primarily due to timing against the YTD forecast allocation
Fuel	(0.044)	-42.6%	Higher fuel expenses primarily due to timing against the monthly forecast allocation	0.083	6.0%	Lower fuel expenses primarily due to timing against the monthly forecast allocation
Insurance	0.163	17.3%	Lower expenses primarily due to lower policy rates than forecast	0.664	7.1%	Lower expenses primarily due to lower policy rates than forecast
Maintenance and Other Operating Contracts	2.200	13.1%	Lower expenses primarily due to the timing of Major Maintenance costs against the monthly forecast allocation	5.372	4.5%	Lower expenses primarily due to timing against the YTD forecast allocation for Major Maintenance and security equipment
Professional Service Contracts	1.684	48.4%	Lower expenses primarily due to timing against the monthly forecast allocation for advertising and marketing (\$0.893 Mill), engineering services (\$0.536 Mill) and miscellaneous consulting contracts (\$0.417 Mill).	6.764	18.5%	Lower expenses primarily due to timing against the YTD forecast allocation for advertising and marketing (\$3.017M), engineering services (\$1.658M), planning studies (\$0.974M) and miscellaneous consulting contracts (\$1.417M)
Materials & Supplies	0.283	60.7%	Lower expenses across a variety of small equipment and supply categories, due to timing, against the monthly forecast allocation	0.966	24.8%	Lower expenses across a variety of small equipment and supply categories, due to timing, against the YTD forecast allocation
Other Business Expense	0.900	30.1%	Lower expenses primarily due to timing against the monthly forecast allocation for credit card fees	1.551	5.5%	Lower expenses primarily due to timing against the monthly forecast allocation for credit card fees
Depreciation	(5.756)	-69.8%	Higher than forecasted monthly expenses.	(21.087)	-18.9%	Higher than forecasted YTD expenses.
Other Post Employment Benefits	0.000	-	No variance	0.000	-	No variance
Reimbursable						
Capital and Other Reimbursements	(1.851)	-98.9%	Lower capital reimbursements due to timing against the monthly forecast allocation	(1.059)	-5.3%	Lower capital reimbursements due to timing against the YTD forecast allocation
Payroll	0.558	87.5%	Lower capital reimbursements due to timing against the monthly forecast allocation	(0.037)	-0.5%	Higher capital reimbursements due to timing against the YTD forecast allocation
Overtime	0.323	*	See overtime tables	0.967	42.9%	See overtime tables
Health and Welfare	0.121	88.4%	Lower capital reimbursements due to timing against the monthly forecast allocation	(0.003)	-0.2%	Higher capital reimbursements due to timing against the YTD forecast allocation
OPEB Current Payment	0.000	-	No variance	0.000	-	No variance
Pensions	0.159	85.5%	Lower capital reimbursements due to timing against the monthly forecast allocation	(0.026)	-1.2%	Higher capital reimbursements due to timing against the YTD forecast allocation
Other Fringe Benefits	0.077	86.6%	Lower capital reimbursements due to timing against the monthly forecast allocation	(0.011)	-1.1%	Higher capital reimbursements due to timing against the YTD forecast allocation
Reimbursable Overhead	0.611	*	Lower capital reimbursements due to timing against the monthly forecast allocation	0.169	2.7%	Lower capital reimbursements due to timing against the YTD forecast allocation

*Variance exceeds 100%

MTA Bridges and Tunnels
2017 July Financial Plan
Non-Reimbursable/Reimbursable Overtime
(\$ in millions)

	October						October 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>	6,354	\$0.396	4,348	\$0.271	2,006	\$0.125	62,447	\$3.938	57,678	\$3.637	4,769	\$0.301
					31.6%	31.6%					7.6%	7.6%
<u>Unscheduled Service</u>	165	\$0.012	47	\$0.004	118	\$0.008	2,521	\$0.163	1,372	\$0.089	1,149	\$0.074
					71.5%	67.5%					45.6%	45.5%
<u>Programmatic/Routine Maintenance</u>	1,704	\$0.114	3,816	\$0.255	(2,112)	(\$0.141)	18,417	\$1.469	29,441	\$2.348	(11,024)	(\$0.879)
					**	**					-59.9%	-59.8%
<u>Unscheduled Maintenance</u>	1,220	\$0.096	999	\$0.079	222	\$0.017	11,678	\$0.844	9,298	\$0.672	2,381	\$0.172
					18.2%	17.7%					20.4%	20.4%
<u>Vacancy/Absentee Coverage</u>	15,519	\$0.925	9,572	\$0.570	5,947	\$0.355	178,803	\$11.297	180,378	\$11.397	(1,575)	(\$0.100)
					38.3%	38.3%					-0.9%	-0.9%
<u>Weather Emergencies</u>	72	\$0.004	290	\$0.017	(218)	(\$0.013)	10,408	\$0.612	10,454	\$0.615	(46)	(\$0.003)
					**	**					-0.4%	-0.4%
<u>Safety/Security/Law Enforcement</u>	1,548	\$0.096	1,288	\$0.080	260	\$0.016	14,538	\$0.927	12,756	\$0.814	1,783	\$0.113
					16.8%	16.7%					12.3%	12.2%
<u>Other</u>	2,413	\$0.170	2,118	\$0.149	295	\$0.021	20,967	\$1.313	21,761	\$1.363	(794)	(\$0.050)
					12.2%	12.3%					-3.8%	-3.8%
<u>*All Other Departments and Accruals</u>		\$0.457		\$0.963		(\$0.506)		\$2.964		\$3.315		(\$0.351)
						**						-11.8%
Subtotal	28,995	\$2.270	22,477	\$2.388	6,518	(\$0.118)	319,779	\$23.529	323,137	\$24.250	(3,358)	(\$0.721)
					22.5%	-5.2%					-1.1%	-3.1%
REIMBURSABLE OVERTIME	2,902	\$0.244	1,513	(\$0.079)	1,389	\$0.323	30,486	\$2.257	23,635	\$1.290	6,851	\$0.967
					47.9%	**					22.5%	42.9%
TOTAL OVERTIME	31,897	\$2.514	23,990	\$2.309	7,907	\$0.204	350,265	\$25.786	346,772	\$25.540	3,493	\$0.246
					24.8%	8.1%					1.0%	1.0%

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
2017 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						
<u>Scheduled Service</u>	2,006 31.6%	\$0.125 31.6%	Lower than planned expenses	4,769 7.6%	\$0.301 7.6%	Lower than planned expenses
<u>Unscheduled Service</u>	118 71.5%	\$0.008 67.5%	Minor variance	1,149 45.6%	\$0.074 45.5%	Lower than planned expenses
<u>Programmatic/Routine Maintenance</u>	(2,112) **	(\$0.141) **	Higher than planned expenses	(11,024) -59.9%	(\$0.879) -59.8%	Higher than planned expenses
<u>Unscheduled Maintenance</u>	222 18.2%	\$0.017 17.7%	Minor variance	2,381 20.4%	\$0.172 20.4%	Lower than planned expenses
<u>Vacancy/Absentee Coverage</u>	5,947 38.3%	\$0.355 38.3%	Lower than planned expenses	(1,575) -0.9%	(\$0.100) -0.9%	Higher than planned expenses
<u>Weather Emergencies</u>	(218) **	(\$0.013) **	Minor variance	(46) -0.4%	(\$0.003) -0.4%	Minor variance
<u>Safety/Security/Law Enforcement</u>	260 16.8%	\$0.016 16.7%	Minor variance	1,783 12.3%	\$0.113 12.2%	Lower than planned expenses
<u>Other</u>	295 12.2%	\$0.021 12.3%	Lower than planned expenses	(794) -3.8%	(\$0.050) -3.8%	Higher than planned expenses
<u>*All Other Departments and Accruals</u>		(\$0.506) **	Primarily due to adjustments for the 28-day OT payroll lag		(\$0.351) -11.8%	Primarily due to adjustments for the 28-day OT payroll lag
Subtotal	6,518 22.5%	(\$0.118) -5.2%		(3,358) -1.1%	(\$0.721) -3.1%	
REIMBURSABLE OVERTIME	1,389 47.9%	\$0.323 **	Primarily due to lower than expected billing for projects eligible for reimbursement from the capital program and prior period adjustments	6,851 22.5%	\$0.967 42.9%	Primarily due to lower than expected billing for projects eligible for reimbursement from the capital program
TOTAL OVERTIME	7,907	\$0.204		3,493	\$0.246	

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
2017 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 October

Year to date ending October 2017

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
3.9	\$27.4	4.0	\$25.3	0.8%	-7.7%		Bronx-Whitestone	38.3	\$243.2	38.3	\$271.3	0.2%
0.7	1.5	0.7	1.5	4.8%	4.9%	Cross Bay	7.0	14.8	7.1	15.7	1.5%	6.3%
2.2	6.6	2.3	7.6	4.7%	13.6%	Henry Hudson	20.5	58.8	21.3	71.0	3.8%	20.7%
1.5	8.9	1.5	9.4	2.7%	5.5%	Hugh L. Carey	15.1	88.4	14.6	88.6	-2.9%	0.1%
0.6	1.3	0.6	1.4	7.1%	6.5%	Marine Parkway	6.7	14.2	6.7	15.5	1.0%	9.0%
2.0	12.9	2.2	14.0	8.2%	8.3%	Queens Midtown	22.9	151.9	20.9	131.2	-8.7%	-13.7%
5.5	37.1	5.8	40.5	5.0%	9.2%	RFK	52.5	352.0	53.0	366.2	0.9%	4.0%
3.7	28.7	3.8	30.7	0.8%	6.8%	Throgs Neck	36.1	270.0	36.4	290.1	0.9%	7.5%
5.9	35.1	6.3	38.3	6.2%	9.1%	Verrazano-Narrows	58.0	309.2	59.7	347.4	2.9%	12.4%
26.0	\$159.6	27.1	\$168.7	4.2%	5.7%	Total	257.0	\$1,502.6	258.1	\$1,596.9	0.4%	6.3%
	<u>\$6.134</u>		<u>\$6.223</u>		<u>1.5%</u>	Revenue Per Vehicle		<u>\$5.846</u>		<u>\$6.187</u>		<u>5.8%</u>

Note: Numbers may not add due to rounding.

*Toll increase implemented March 19, 2017

Comparison Actual vs. Mid-Year Forecast:

Mid-Year Forecast		Oct Actual		Percentage Change			Mid-Year Forecast		YTD Actual		Percentage Change	
Traffic	Revenue	Traffic	Revenue	Traffic	Revenue		Traffic	Revenue	Traffic	Revenue	Traffic	Revenue
26.3	\$165.7	27.1	\$168.7	3.2%	1.8%		Total All	256.2	\$1,597.2	258.1	\$1,596.9	0.8%
	<u>\$6.306</u>		<u>\$6.223</u>		<u>-1.3%</u>	Revenue Per Vehicle		<u>\$6.235</u>		<u>\$6.187</u>		<u>-0.8%</u>

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2017 MID-YEAR FORECAST
TOTAL POSITIONS BY FUNCTION AND DEPARTMENT
NON-REIMBURSABLE/REIMBURSABLE and FULL-TIME POSITIONS/FULL-TIME EQUIVALENTS
October 2017

Department	Mid-Year Forecast	Actual	Favorable (Unfavorable) Variance	Explanation of Variances
Administration				
Executive	11	5	6	6 Professional vacancies
Law ⁽¹⁾	16	15	1	1 Professional vacancy
CFO ⁽²⁾	25	24	1	4 Managerial vacancies and 3 Professional overages
Administration ⁽³⁾	38	39	(1)	1 Managerial vacancy and 2 Professional overages
EEO	2	1	1	1 Professional vacancy
Total Administration	92	84	8	
Operations				
Revenue Management	43	36	7	4 Managerial and 3 Professional vacancies
Operations (Non-Security)	543	447	96	29 Managerial vacancies, 2 Professional vacancies, and 65 BTO vacancies
Total Operations	586	483	103	
Maintenance				
Maintenance	207	204	3	5 Professional vacancies and 2 Maintainer overages
Operations - Maintainers	175	175	-	
Total Maintenance	382	379	3	
Engineering/Capital				
Engineering & Construction	192	157	35	4 Managerial and 31 Professional vacancies
Safety & Health	10	8	2	1 Managerial and 1 Professional vacancy
Law ⁽¹⁾	22	18	4	4 Professional vacancies
CFO-Planning & Budget Capital	29	20	9	4 Managerial and 5 Professional vacancies
Total Engineering/Capital	253	203	50	
Public Safety				
Operations (Security)	232	232	-	
Internal Security - Operations	44	36	8	4 Managerial and 4 Professional vacancies
Total Public Safety	276	268	8	
Total Positions	1,589	1,417	172	
Non-Reimbursable	1,502	1,330	172	
Reimbursable	87	87	-	
Total Full-Time	1,589	1,417	172	

(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 - 2017 MID-YEAR FORECAST
TOTAL POSITIONS BY FUNCTION AND OCCUPATION
FULL-TIME POSITIONS and FULL-TIME EQUIVALENTS
October 2017

	Mid-Year Forecast	Actual	Favorable (Unfavorable) Variance	Explanation of Variances
Administration				
Managers/Supervisors	28	23	5	4 vacancies in CFO and 1 vacancy in Administration
Professional, Technical, Clerical	64	61	3	6 vacancies in Executive, 1 vacancy in EEO and 1 in Law, 3 overages in CFO and 2 in Admin
Operational Hourlies	-	-	-	
Total Administration	92	84	8	
Operations				
Managers/Supervisors	207	174	33	29 vacancies in Operations and 4 in Revenue Management
Professional, Technical, Clerical	43	38	5	3 vacancies in Revenue Management and 2 in Operations
Operational Hourlies ⁽¹⁾	336	271	65	65 BTO vacancies in Operations
Total Operations	586	483	103	
Maintenance				
Managers/Supervisors	19	19	-	
Professional, Technical, Clerical	20	15	5	5 vacancies in Maintenance
Operational Hourlies ⁽²⁾	343	345	(2)	2 Maintainer overages in Maintenance
Total Maintenance	382	379	3	
Engineering/Capital				
Managers/Supervisors	58	49	9	4 vacancies in Engineering, 4 in CFO, and 1 in Safety and Health
Professional, Technical, Clerical	195	154	41	31 vacancies in Engineering, 5 in CFO, 4 in Law, and 1 in Safety and Health
Operational Hourlies	-	-	-	
Total Engineering/Capital	253	203	50	
Public Safety				
Managers/Supervisors	46	42	4	4 vacancies in Internal Security
Professional, Technical, Clerical	34	30	4	4 vacancies in Internal Security
Operational Hourlies ⁽³⁾	196	196	-	
Total Public Safety	276	268	8	
Total Positions				
Managers/Supervisors	358	307	51	
Professional, Technical, Clerical	356	298	58	
Operational Hourlies	875	812	63	
Total Positions	1,589	1,417	172	

(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)
OCTOBER 2017 YEAR-TO-DATE
(\$ in millions)

	October Year-to-Date			Favorable(Unfavorable) Variance			
	Mid-Year Forecast	November Forecast	Actual	Mid-Year Forecast		November Forecast	
	\$	\$	\$	\$	%	\$	%
Total Revenue	1,613.770	1,609.515	1,614.365	0.594	0.0	4.850	0.3
Investment Income	0.825	0.868	1.189	0.364	44.2	0.321	36.9
Total Revenue without Investment Income	1,612.946	1,608.647	1,613.176	0.230	0.0	4.529	0.3
Total Expenses before Non-Cash Liability Adjs	417.465	401.504	388.661	28.804	6.9	12.843	3.2
Depreciation	111.364	128.967	132.450	(21.087)	(18.9)	(3.484)	(2.7)
Other Post-Employment Benefits	59.860	59.860	59.860	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	588.688	590.331	580.971	7.717	1.3	9.360	1.6
Less: Depreciation	111.364	128.967	132.450	(21.087)	(18.9)	(3.484)	(2.7)
Less: Other Post-Employment Benefits	59.860	59.860	59.860	0.000	0.0	0.000	0.0
Total Expenses	417.465	401.504	388.661	28.804	6.9	12.843	3.2
Net Income/(Deficit)	1,196.306	1,208.011	1,225.704	29.398	2.5	17.693	1.5
Net Income without Investment Income	1,195.481	1,207.143	1,224.515	29.034	2.4	17.372	1.4

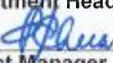
Note: Totals may not add due to rounding

MTA BRIDGES AND TUNNELS
EXPLANATION OF VARIANCES BETWEEN NOVEMBER FORECAST AND ACTUAL RESULTS
NON-REIMBURSABLE
OCTOBER 2017 YEAR-TO-DATE
(\$ in millions)

	<u>Favorable/(Unfavorable)</u>		<u>Variance Explanation</u>
	<u>Variance</u>	<u>Percent</u>	
Total Revenue	\$4.850	0.3	Primarily due to higher toll revenue resulting from above forecast traffic levels
Total Expenses	\$12.843	3.2	Primarily due to vacancies and the timing of major maintenance projects, security equipment purchases, advertising/marketing expenses and general engineering consulting services

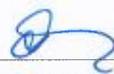
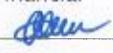
NOTE: Mid-Year Forecast vs. Actual Variance explanations are provided in the monthly report to the Finance Committee

Staff Summary

Subject B&T 2018 Budget and 2018-2021 Financial Plan Adoption
Department Office of the Chief Financial Officer
Department Head Name Mildred Chua
Department Head Signature 
Project Manager Name Dore Abrams

Date December 4, 2017
Vendor Name
Contract Number
Contract Manager Name
Table of Contents Ref #

Board Action					
Order	To	Date	Approval	Info	Other
1	B&T Committee	12/11/17	X		
2	Finance Committee	12/11/17	X		
3	MTA Board	12/13/17	X		

Internal Approvals			
Order	Approval	Order	Approval
2	President 	1	VP & Chief Financial Officer 
	Executive Vice President		VP Procurement & Materials
	General Counsel		VP Labor Relations
	VP Operations		VP & Chief Engineer

Internal Approvals (cont.)							
Order	Approval	Order	Approval	Order	Approval	Order	Approval
	VP Safety & Health		VP & Chief of Staff				Other
	VP & Chief Security Officer		VP Maintenance & Operations Support				

PURPOSE:

To secure MTA Board adoption of the MTA Bridges and Tunnels' (B&T) 2017 November Forecast, 2018 Final Proposed Budget, and the Four-Year Financial Plan for 2018-2021.

DISCUSSION:

The 2018 Final Proposed Budget, which is consistent with information presented to the Board in November, provides sufficient funding to maintain B&T's planned service levels, as well as MTA's commitment to provide safe, reliable and efficient transportation service to the metropolitan New York region. The baseline projections exclude the estimated impacts from projected toll increases, unidentified MTA efficiencies, and MTA policy actions. These impacts will be presented as part of MTA consolidated materials.

B&T estimates that for 2017 and 2018 combined, \$2,727.7 million will be provided in baseline net operating income.

2017 NOVEMBER FORECAST-BASELINE

The 2017 November Forecast projects \$1,926.3 million in non-reimbursable revenues, of which \$1,906.4 million is from Toll Revenue. Total non-reimbursable expenses before depreciation and other post-employment benefits are projected to be \$545.6 million, consisting of \$255.2 million in labor expenses and \$290.4 million in non-labor expenses. Total Support to Mass Transit is projected to be over \$1.039 billion. Reimbursable revenue and expenses are both forecast at \$23.9 million. Total end-of-year positions are projected at 1,589, including 1,502 non-reimbursable positions and 87 reimbursable positions.

2018 FINAL PROPOSED BUDGET-BASELINE

The 2018 Final Proposed Budget projects \$1,943.4 million in non-reimbursable revenues, of which \$1,923.2 million is from Toll Revenue. Total non-reimbursable expenses before depreciation and other post-employment benefits are projected to be \$596.4 million, consisting of \$278.3 million in labor expenses and \$318.1 million in non-labor expenses. Total Support to Mass Transit is projected to be nearly \$1.020 billion. Reimbursable revenue and expenses are both forecast at \$23.6 million. Total end-of-year positions are projected at 1,589, including 1,502 non-reimbursable positions and 87 reimbursable positions.

MAJOR PROGRAMMATIC INITIATIVES

- **New York Crossings Project (NYCP)** - Major components of this initiative include:
 - Open Road Tolling (ORT): ORT significantly enhances traffic flow, reduces congestion and decreases commute times, making it easier for New Yorkers to get where they need to go. Sensors and cameras are suspended over the highway on structures called gantries and vehicles are not required to stop. ORT began rolling out in November 2016 at the Henry Hudson Bridge, continued throughout 2017 with implementation at the Hugh L. Carey Tunnel, the Queens Midtown Tunnel, the RFK Bridge and the Verrazano-Narrows Bridge, and was completed on September 30th when both the Throgs Neck Bridge and the Bronx-Whitestone Bridge went live. ORT is now fully functional at all B&T facilities and this was achieved three months ahead of the original implementation schedule.
 - The implementation of Open Road Tolling (ORT) has resulted in the need for a more structured approach in capturing MTA B&T's Total Cost of Ownership (TCO) for the new assets, systems and equipment that are now operational across the facilities. Best practice asset management principles aligned with operational goals and the overall strategic vision for MTA B&T's new business model for cashless toll collection provides a consistent approach and roadmap to ensuring sustainability of the agency across all aspects of the business and integrating the various departmental perspectives including safety, security, operations, engineering, maintenance, finance, law, procurement and administration.
 - Collaborative initiatives with New York State agencies that significantly enhance B&T's safety and security efforts. Security teams have been combined with traffic enforcement at crossings and new operating protocols have been developed across agencies.
- **Programs to Increase E-ZPass Usage**
 - **Marketing** efforts promoting the savings and convenience of E-ZPass include a major media campaign on TV, radio and print supported by an informational campaign on MTA.info, social media and travel-related mobile sites, as well as direct marketing in facility specific communities through handouts, door hangers, and pop-ups at community events.
 - **MTA Reload Card** has made it significantly easier for customers to replenish their E-ZPass account with cash. To date, more than 171,000 cards have been issued to customers and approximately 20% of total cash replenishments are currently made using the reload cards.
 - **E-ZPass Pay Per Trip** enables customers to set up an E-ZPass account without a pre-paid balance by debiting their checking account through an Automated Clearinghouse (ACH) deduction on days when tolls are posted. To date, over 107,000 account holders have signed up for this program.

IMPACT ON FUNDING

The 2017 November Forecast, the 2018 Final Proposed Budget, and the Four-Year Financial Plan 2018-2021, which are presented in the attached tables, are consistent with the proposed MTA Financial Plan.

RECOMMENDATION

It is recommended that the MTA Board adopt the 2017 November Forecast, the 2018 Final Proposed Budget, and the Four-Year Financial Plan for 2018-2021 for MTA Bridges and Tunnels.

The legal name of MTA Bridges and Tunnels is Triborough Bridge and Tunnel Authority.

MTA BRIDGES AND TUNNELS
November Financial Plan 2018 - 2021
Accrual Statement of Operations By Category
(\$ in millions)

	Actual 2016	November Forecast 2017	Final Proposed Budget 2018	2019	2020	2021
Non-Reimbursable						
Operating Revenue						
Toll Revenue	\$1,869.693	\$1,906.354	\$1,923.208	\$1,936.945	\$1,945.889	\$1,953.136
Other Operating Revenue	25.352	18.936	18.936	18.936	18.936	18.936
Capital and Other Reimbursements	0.000	0.000	0.000	0.000	0.000	0.000
Investment Income	0.635	0.987	1.240	1.240	1.240	1.240
Total Revenues	\$1,895.680	\$1,926.277	\$1,943.385	\$1,957.122	\$1,966.066	\$1,973.313
Operating Expense						
Labor:						
Payroll	\$120.285	\$128.459	\$146.144	\$151.988	\$151.836	\$154.357
Overtime	23.626	28.000	26.807	27.347	27.895	28.455
Health and Welfare	24.918	28.783	34.158	34.896	36.415	38.022
OPEB Current Payments	18.293	20.247	22.070	22.555	23.638	24.772
Pension	42.546	38.928	37.167	37.177	36.412	37.112
Other Fringe Benefits	20.448	18.183	19.558	21.496	22.265	22.458
Reimbursable Overhead	(6.680)	(7.420)	(7.568)	(7.720)	(7.874)	(8.032)
Total Labor Expenses	\$243.436	\$255.180	\$278.335	\$287.739	\$290.586	\$297.144
Non-Labor:						
Electric Power	\$5.803	\$5.184	\$7.027	\$7.134	\$7.559	\$7.966
Fuel	1.362	1.762	1.882	1.897	2.411	2.573
Insurance	14.314	11.699	12.426	13.143	13.947	14.816
Claims	0.046	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
Maintenance and Other Operating Contracts	132.537	183.797	215.103	218.577	222.753	233.250
Professional Services Contracts	32.250	47.544	40.177	39.745	41.042	40.326
Materials and Supplies	3.808	4.785	4.711	4.377	4.499	4.618
Other Business Expenses	31.299	35.651	36.743	37.541	38.634	39.546
Total Non-Labor Expenses	\$221.418	\$290.422	\$318.069	\$322.414	\$330.845	\$343.095
Other Expense Adjustments:						
Other Expense Adjustments	\$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
Total Expenses Before Depreciation and GASB Adjs.	\$464.854	\$545.602	\$596.405	\$610.153	\$621.432	\$640.239
Depreciation	\$135.035	\$150.000	\$136.766	\$146.300	\$156.499	\$167.409
OPEB Liability Adjustment	67.289	71.832	75.424	79.195	83.155	87.312
GASB 68 Pension Expense Adjustment	(6.848)	11.828	15.242	17.184	20.001	21.451
Environmental Remediation	0.000	0.000	0.000	0.000	0.000	0.000
Total Expenses After Depreciation and GASB Adjs.	\$660.330	\$779.262	\$823.836	\$852.832	\$881.086	\$916.411
Less: Depreciation	135.035	150.000	136.766	146.300	156.499	167.409
Less: OPEB Liability Adjustment	67.289	71.832	75.424	79.195	83.155	87.312
Less: GASB 68 Pension Exp Adjustment	(6.848)	11.828	15.242	17.184	20.001	21.451
Total Expenses	\$464.854	\$545.602	\$596.405	\$610.153	\$621.432	\$640.239
Net Surplus/(Deficit)	\$1,430.826	\$1,380.675	\$1,346.980	\$1,346.969	\$1,344.634	\$1,333.074

MTA BRIDGES AND TUNNELS
November Financial Plan 2018 - 2021
Accrual Statement of Operations By Category
(\$ in millions)

	Actual 2016	November Forecast 2017	Final Proposed Budget 2018	2019	2020	2021
Reimbursable						
Operating Revenue						
Toll Revenue	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Other Operating Revenue	0.000	0.000	0.000	0.000	0.000	0.000
Capital and Other Reimbursements	21.069	23.898	23.575	24.046	24.527	25.018
Investment Income	0.000	0.000	0.000	0.000	0.000	0.000
Total Revenues	\$21.069	\$23.898	\$23.575	\$24.046	\$24.527	\$25.018
Operating Expense						
<u>Labor:</u>						
Payroll	\$7.974	\$8.340	\$8.506	\$8.676	\$8.850	\$9.027
Overtime	1.404	2.745	1.999	2.039	2.080	2.121
Health and Welfare	1.830	1.795	1.831	1.867	1.905	1.943
OPEB Current Payments	0.000	0.000	0.000	0.000	0.000	0.000
Pension	2.146	2.432	2.480	2.530	2.581	2.632
Other Fringe Benefits	1.035	1.167	1.190	1.214	1.238	1.263
Reimbursable Overhead	6.680	7.420	7.568	7.720	7.874	8.032
Total Labor Expenses	\$21.069	\$23.898	\$23.575	\$24.046	\$24.527	\$25.018
<u>Non-Labor:</u>						
Electric Power	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Fuel	0.000	0.000	0.000	0.000	0.000	0.000
Insurance	0.000	0.000	0.000	0.000	0.000	0.000
Claims	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
Maintenance and Other Operating Contracts	0.000	0.000	0.000	0.000	0.000	0.000
Professional Services Contracts	0.000	0.000	0.000	0.000	0.000	0.000
Materials and Supplies	0.000	0.000	0.000	0.000	0.000	0.000
Other Business Expenses	0.000	0.000	0.000	0.000	0.000	0.000
Total Non-Labor Expenses	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
<u>Other Expense Adjustments:</u>						
Other Expense Adjustments	\$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
Total Expenses Before Depreciation and GASB Adjs.	\$21.069	\$23.898	\$23.575	\$24.046	\$24.527	\$25.018
Net Surplus/(Deficit)	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

MTA BRIDGES AND TUNNELS
November Financial Plan 2018 - 2021
Accrual Statement of Operations By Category
(\$ in millions)

	Actual 2016	November Forecast 2017	Final Proposed Budget 2018	2019	2020	2021
Non-Reimbursable / Reimbursable						
Page 1 of 2						
Operating Revenue						
Toll Revenue	\$1,869.693	\$1,906.354	\$1,923.208	\$1,936.945	\$1,945.889	\$1,953.136
Other Operating Revenue	25.352	18.936	18.936	18.936	18.936	18.936
Capital and Other Reimbursements	21.069	23.898	23.575	24.046	24.527	25.018
Investment Income	0.635	0.987	1.240	1.240	1.240	1.240
Total Revenues	\$1,916.749	\$1,950.175	\$1,966.960	\$1,981.168	\$1,990.593	\$1,998.330
Operating Expense						
Labor:						
Payroll	\$128.259	\$136.799	\$154.650	\$160.664	\$160.686	\$163.384
Overtime	25.030	30.745	28.806	29.386	29.975	30.576
Health and Welfare	26.748	30.578	35.988	36.763	38.319	39.965
OPEB Current Payments	18.293	20.247	22.070	22.555	23.638	24.772
Pension	44.692	41.360	39.648	39.707	38.992	39.744
Other Fringe Benefits	21.483	19.349	20.748	22.710	23.503	23.721
Reimbursable Overhead	0.000	0.000	0.000	0.000	0.000	0.000
Total Labor Expenses	\$264.505	\$279.078	\$301.910	\$311.785	\$315.114	\$322.162
Non-Labor:						
Electric Power	\$5.803	\$5.184	\$7.027	\$7.134	\$7.559	\$7.966
Fuel	1.362	1.762	1.882	1.897	2.411	2.573
Insurance	14.314	11.699	12.426	13.143	13.947	14.816
Claims	0.046	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
Maintenance and Other Operating Contracts	132.537	183.797	215.103	218.577	222.753	233.250
Professional Services Contracts	32.250	47.544	40.177	39.745	41.042	40.326
Materials and Supplies	3.808	4.785	4.711	4.377	4.499	4.618
Other Business Expenses	31.299	35.651	36.743	37.541	38.634	39.546
Total Non-Labor Expenses	\$221.418	\$290.422	\$318.069	\$322.414	\$330.845	\$343.095
Other Expense Adjustments:						
Other Expense Adjustments	\$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
Total Expenses Before Depreciation and GASB Adjs.	\$485.923	\$569.499	\$619.979	\$634.199	\$645.959	\$665.257
Depreciation	\$135.035	\$150.000	\$136.766	\$146.300	\$156.499	\$167.409
OPEB Liability Adjustment	67.289	71.832	75.424	79.195	83.155	87.312
GASB 68 Pension Expense Adjustment	(6.848)	11.828	15.242	17.184	20.001	21.451
Environmental Remediation	0.000	0.000	0.000	0.000	0.000	0.000
Total Expenses After Depreciation and GASB Adjs.	\$681.399	\$803.159	\$847.411	\$876.878	\$905.613	\$941.429
Less: Depreciation	135.035	150.000	136.766	146.300	156.499	167.409
Less: OPEB Liability Adjustment	67.289	71.832	75.424	79.195	83.155	87.312
Less: GASB 68 Pension Exp Adjustment	(6.848)	11.828	15.242	17.184	20.001	21.451
Total Expenses	\$485.923	\$569.499	\$619.979	\$634.199	\$645.959	\$665.257
Net Surplus/(Deficit)	\$1,430.826	\$1,380.675	\$1,346.980	\$1,346.969	\$1,344.634	\$1,333.074

MTA BRIDGES AND TUNNELS
November Financial Plan 2018 - 2021
Accrual Statement of Operations by Category
(\$ in millions)

	Actual 2016	November Forecast 2017	Final Proposed Budget 2018	2019	2020	2021
Non-Reimbursable / Reimbursable						
Page 2 of 2						
Net Surplus/(Deficit)	\$1,430.826	\$1,380.675	\$1,346.980	\$1,346.969	\$1,344.634	\$1,333.074
<u>Deductions from Income:</u>						
Less: Capitalized Assets	\$19.900	\$24.813	\$20.517	\$20.966	\$21.551	\$22.122
B&T Capital Reserves	27.505	27.515	27.961	28.573	29.370	30.149
GASB 45 Reserves	0.000	0.000	0.364	0.462	0.678	0.905
Adjusted Net Surplus/(Deficit)	\$1,383.421	\$1,328.347	\$1,298.138	\$1,296.968	\$1,293.034	\$1,279.898
Less: Debt Service	\$639.877	\$657.431	\$662.455	\$709.146	\$743.543	\$777.685
Income Available for Distribution	\$743.544	\$670.916	\$635.683	\$587.822	\$549.491	\$502.213
<u>Distributable To:</u>						
MTA - Investment Income	\$0.635	\$0.987	\$1.240	\$1.240	\$1.240	\$1.240
MTA - Distributable Income	430.008	391.386	377.595	355.764	335.752	311.929
NYCT - Distributable Income	312.901	278.543	256.848	230.818	212.499	189.044
Total Distributable Income:	\$743.543	\$670.916	\$635.683	\$587.822	\$549.491	\$502.213
<u>Actual Cash Transfers:</u>						
MTA - Investment Income - Prior Year	\$0.183	\$0.635	\$0.987	\$1.240	\$1.240	\$1.240
MTA - Cash Surplus Transfer	429.984	408.583	378.974	357.947	337.753	314.311
NYCT - Cash Surplus Transfer	311.825	288.786	259.017	233.421	214.331	191.389
Total Cash Transfers:	\$741.991	\$698.004	\$638.978	\$592.608	\$553.324	\$506.941
SUPPORT TO MASS TRANSIT:						
Total Revenue	\$1,916.749	\$1,950.175	\$1,966.960	\$1,981.168	\$1,990.593	\$1,998.330
Total Expenses Before Non-Cash Liability Adjs.	485.923	569.499	619.979	634.199	645.959	665.257
Net Operating Income:	\$1,430.826	\$1,380.675	\$1,346.980	\$1,346.969	\$1,344.634	\$1,333.074
<u>Deductions from Operating Income:</u>						
B&T Debt Service	\$257.344	\$288.993	\$278.390	\$313.938	\$352.834	\$387.960
Capitalized Assets	19.900	24.813	20.517	20.966	21.551	22.122
B&T Capital Reserves	27.505	27.515	27.961	28.573	29.370	30.149
GASB Reserves	0.000	0.000	0.364	0.462	0.678	0.905
Total Deductions from Operating Income:	\$304.749	\$341.321	\$327.232	\$363.939	\$404.434	\$441.136
Total Support to Mass Transit:	\$1,126.077	\$1,039.354	\$1,019.748	\$983.029	\$940.200	\$891.938

MTA BRIDGES AND TUNNELS
November Financial Plan 2018-2021
2017 Budget Reduction Plan Summary
(\$ in millions)

	Favorable/(Unfavorable)									
	Pos.	2017	Pos.	2018	Pos.	2019	Pos.	2020	Pos.	2021
Administration										
Miscellaneous consulting (July Plan)	-	0.000	-	2.000	-	2.000	-	2.000	-	2.000
<i>Subtotal Administration</i>	-	0.000	-	2.000	-	2.000	-	2.000	-	2.000
Customer Convenience & Amenities										
None	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
<i>Subtotal Customer Convenience & Amenities</i>	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
Service/Service Support										
Open Road Tolling	-	0.000	-	4.299	-	5.178	-	5.212	-	5.246
<i>Subtotal Service/Service Support</i>	-	0.000	-	4.299	-	5.178	-	5.212	-	5.246
Maintenance/Operations										
Major Maintenance & Bridge Painting	-	5.400	-	5.900	-	5.900	-	5.900	-	5.900
Lower negotiated E-ZPass tag price (July Plan)	-	1.205	-	1.310	-	1.296	-	1.281	-	1.229
<i>Subtotal Maintenance/Operations</i>	-	6.605	-	7.210	-	7.196	-	7.181	-	7.129
Revenue Enhancement										
None	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
<i>Subtotal Revenue Enhancement</i>	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
Safety/Security										
None	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
<i>Subtotal Safety/Security</i>	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
Enterprise Asset Management										
None	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
<i>Subtotal Enterprise Asset Management</i>	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
All Other										
None	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
<i>Subtotal All Other</i>	-	0.000	-	0.000	-	0.000	-	0.000	-	0.000
Agency Submission	-	\$6.605	-	\$13.509	-	\$14.374	-	\$14.394	-	\$14.375

MTA BRIDGES AND TUNNELS
November Financial Plan 2018 - 2021
Ridership (Utilization)
(in millions)

	Actual	November Forecast	Final Proposed Budget	2019	2020	2021
	2016	2017	2018			

TRAFFIC VOLUME

Total Traffic Volume	307.417	306.747	308.413	311.027	313.060	314.830
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TOLL REVENUE

Toll Revenue	\$1,869.693	\$1,906.354	\$1,923.208	\$1,936.945	\$1,945.889	\$1,953.136
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MTA BRIDGES AND TUNNELS
November Financial Plan 2018-2021
Total Positions by Function and Department
Non-Reimbursable/Reimbursable and Full-time/Full-time Equivalents

FUNCTION/DEPARTMENT	2016	2017	2018	2019	2020	2021
	Actual	November Forecast	Final Proposed Budget			
Administration						
Executive	5	12	12	12	12	12
Law ⁽¹⁾	12	16	16	16	16	16
CFO ⁽²⁾	23	25	25	25	25	25
Administration	40	37	37	37	37	37
EEO	1	2	2	2	2	2
Total Administration	81	92	92	92	92	92
Operations						
Revenue Management	38	43	43	43	43	43
Operations (Non-Security)	485	543	543	543	543	543
Total Operations	523	586	586	586	586	586
Maintenance						
Maintenance	195	206	206	206	206	206
Operations - Maintainers	174	176	176	176	176	176
Total Maintenance	369	382	382	382	382	382
Engineering/Capital						
Engineering & Construction	162	192	192	192	192	192
Health & Safety	8	10	10	10	10	10
Law ⁽¹⁾	19	22	22	22	22	22
Planning & Budget Capital	18	29	29	31	37	37
Total Engineering/Capital	207	253	253	255	261	261
Public Safety						
Operations (Security)	232	232	232	232	232	232
Internal Security - Operations	39	44	44	44	44	44
Total Public Safety	271	276	276	276	276	276
Total Positions	1,451	1,589	1,589	1,591	1,597	1,597
<i>Non-Reimbursable</i>	1,364	1,502	1,502	1,504	1,510	1,510
<i>Reimbursable</i>	87	87	87	87	87	87
<i>Total Full-Time</i>	1,451	1,589	1,589	1,591	1,597	1,597
<i>Total Full-Time Equivalents</i>	0	0	0	0	0	0

(1) Includes Legal and Procurement staff.

(2) Includes Controller and Operating Budget staff

(3) Includes Human Resources and Administration staff.

MTA BRIDGES AND TUNNELS
November Financial Plan 2018 - 2021
Total Positions by Function and Occupational Group
Non-Reimbursable and Reimbursable

FUNCTION / OCCUPATIONAL GROUP	Actual 2016	November Forecast 2017	Final Proposed Budget 2018	2019	2020	2021
Administration						
Managers/Supervisors	27	30	30	30	30	30
Professional/Technical/Clerical	54	62	62	62	62	62
Operational Hourlies	0	0	0	0	0	0
Total Administration Headcount	81	92	92	92	92	92
Operations						
Managers/Supervisors	176	216	216	216	216	216
Professional/Technical/Clerical	31	34	34	34	34	34
Operational Hourlies (1)	316	336	336	336	336	336
Total Operations Headcount	523	586	586	586	586	586
Maintenance						
Managers/Supervisors	17	25	25	25	25	25
Professional/Technical/Clerical	18	14	14	14	14	14
Operational Hourlies (2)	334	343	343	343	343	343
Total Maintenance Headcount	369	382	382	382	382	382
Engineering / Capital						
Managers/Supervisors	40	52	52	52	52	52
Professional/Technical/Clerical	167	201	201	203	209	209
Operational Hourlies	0	0	0	0	0	0
Total Engineering Headcount	207	253	253	255	261	261
Public Safety						
Managers/Supervisors	44	48	48	48	48	48
Professional, Technical, Clerical	31	32	32	32	32	32
Operational Hourlies (3)	196	196	196	196	196	196
Total Public Safety Headcount	271	276	276	276	276	276
Total Positions						
Managers/Supervisors	304	371	371	371	371	371
Professional, Technical, Clerical	301	343	343	345	351	351
Operational Hourlies	846	875	875	875	875	875
Total Positions	1,451	1,589	1,589	1,591	1,597	1,597

(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.



Bridges and Tunnels

**Capital Program
Project Status Report
November 2017**

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
STATUS REPORT
NOVEMBER 30, 2017

Introduction

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

Commitments

In November, 7 commitments were made with a total value of \$1.5 million compared to the plan calling for 9 commitments with a total value of \$58.9 million from the 2017 Plan (See *Attachment 1, 2017 Commitment Chart; Attachment 7 – 2017 Commitment Plan*).

No commitment was made against the 2016 Commitment Plan in November (See *Attachment 9, 2016 Commitment Plan*).

Year-to-date, 158 commitments have been made with a total value of \$503.7 million against a plan calling for 80 commitments with a total value of \$485.9 million from the 2017 plan. Additionally, 15 commitments have been made with a total value of \$33.4 million from the 2016 plan against a plan calling for 19 commitments with a value of \$36.9 million from the 2016 plan.

In aggregate, 173 commitments totaling \$537.1 million have been made to date, against a plan of 99 commitments with a total value of \$522.8 million.

Completions

Project D602BB54, Replacement of Brooklyn Plaza Structural slab was completed in November for \$18.6 million.

Year-to-date 11 projects have been completed for \$545.0 million against a plan of 9 projects totaling \$510.1 million accomplishing 106.8 % of the year to date goal (See *Attachment 3 - 2017 Completion Chart; Attachment 4 – 2017 Major Project Completions; Attachment 5 - 2017 Project Completion Plan*).

Close-outs

There were 11 task level closeouts for \$ 5.1 million in November. Year-to-date there were 93 task level closeouts for \$173.1 million. (See *Attachment 6 – 2017 Task Level Closeouts*).

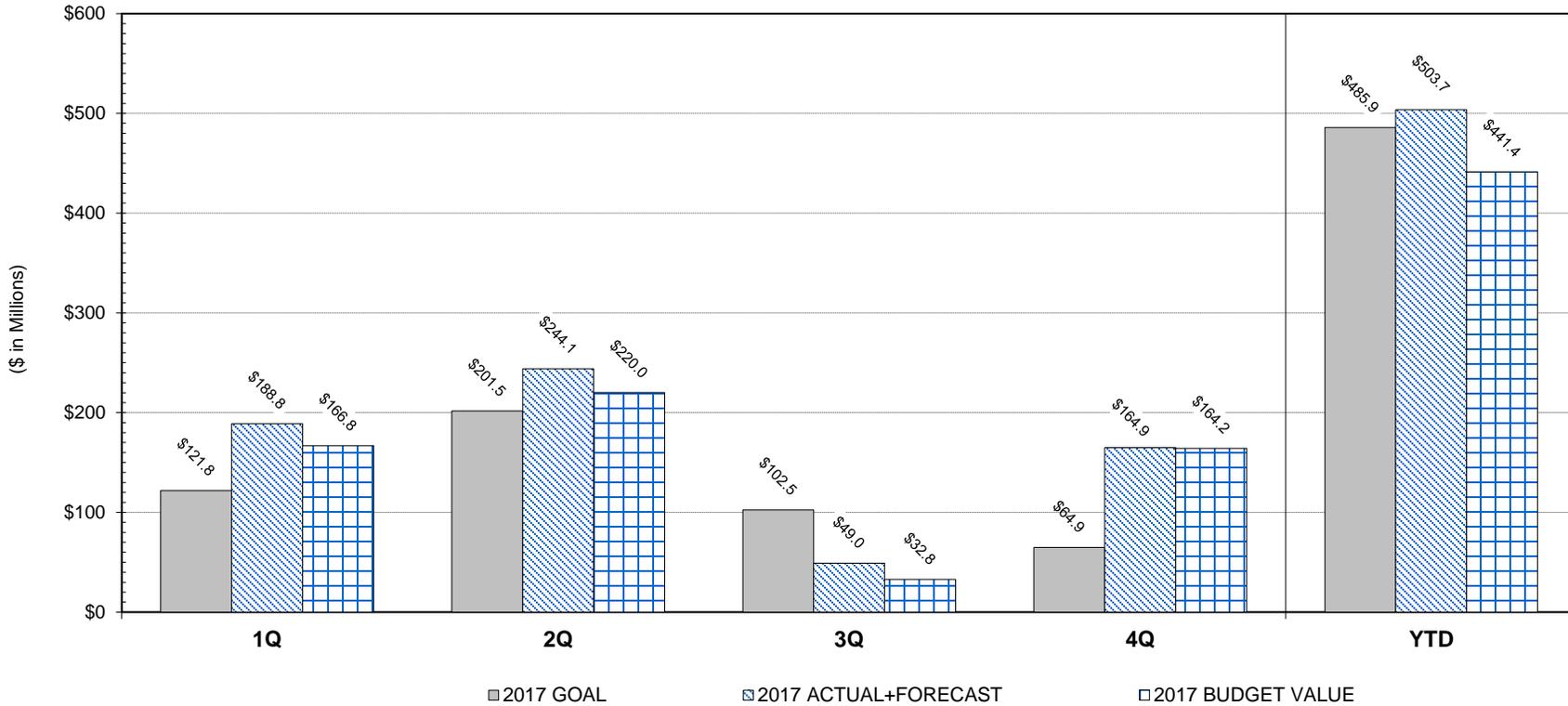
Award Date Changes for Remaining Commitments

D704RK07, Electrical / Mechanical Rehabilitation Design/Build of Harlem River Lift Span planned for award in November for \$17.0 million is now forecast for January 2018. Design/Build team selection is in progress.

D701VN34, Main Cable and Suspender Rope Testing-Phase 1 Design/Build planned for award in November for \$33.7 million is now forecast for December. Design/Build proposals are under review.

MTA Bridges and Tunnels
Commitments as of November 30, 2017

2017 Budget Goal:	\$490.8	
2017 Annual Forecast:	\$646.9	
YTD Goal:	\$485.9	
YTD Actual:	\$503.7	(103.7% of YTD Goal)
YTD Budgeted Value:	\$441.4	(90.8% of YTD Goal)
Left to Commit:	\$143.1	



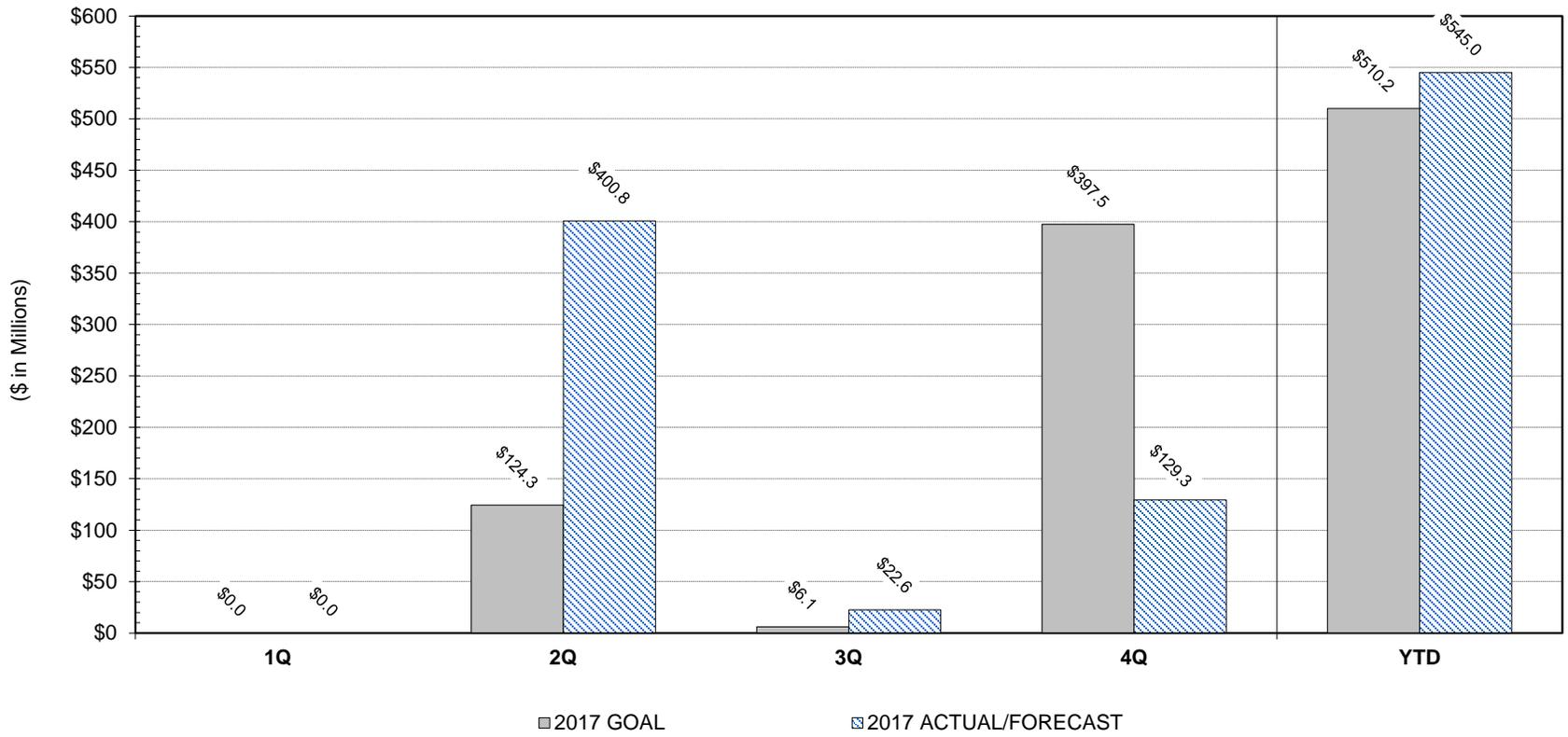
MTA Bridges and Tunnels: Status of Major Commitments as of November 30, 2017

Project		Budget (\$ in Millions)			Award Date			Notes	
		2017 Goal	Actual / Forecast*	Budgeted Value	2017 Goal	Advertisement Date	Actual / Forecast		
D703RK63	Open Road Tolling Initiative - RFK Bridge (Manhattan)	\$12.9	\$12.9	\$12.9	Feb-17	NA	Feb-17	A	1
D702RK65	Interim Repairs - RFK	\$12.3	\$12.3	\$12.5	Feb-17	NA	Feb-17	A	1
D703CB63	Open Road Tolling Initiative - CB Bridge	\$12.0	\$8.3	\$12.0	Mar-17	NA	Mar-17	A	1
D703MP63	Open Road Tolling Initiative - MP Bridge	\$13.3	\$6.8	\$13.3	Mar-17	NA	Mar-17	A	1
D703RK63	Open Road Tolling Initiative - RFK Bridge (Bronx/Queens)	\$27.0	\$24.3	\$27.0	Mar-17	NA	Mar-17	A	1
D703VN63	Open Road Tolling Initiative - VN Bridge	\$23.5	\$53.3	\$23.5	Mar-17	NA	Mar-17	A	1
D703HH88	Toll Plazas & Southbound Approach Reconstruction	\$73.3	\$73.0	\$65.6	Apr-17	Oct-16	Apr-17	A	
D704HH13	Replacement of Facility Lighting System	\$14.0	\$10.0	\$12.2	Apr-17	Oct-16	Apr-17	A	
D701HH89	Skewback Retrofit	\$83.7	\$85.7	\$66.0	Apr-17	Feb-16	May-17	A	
D704BW39	Install Electronic Monitoring & Detection Systems	\$23.0	\$23.0	\$23.0	Jul-17	Apr-16	Dec-17	F	2
D704RK60	Install Electronic Monitoring & Detection Systems	\$34.3	\$34.3	\$34.3	Jul-17	Apr-16	Dec-17	F	2
D701RK22	Interim Repairs - FDR Ramp	\$20.0	\$20.0	\$20.0	Sep-17	Aug-17	Dec-17	F	3
D704RK07	Electrical/Mechanical Rehab of HR Lift Span	\$17.0	\$17.0	\$17.0	Nov-17	Jan-17	Jan-18	F	5
D701VN34	Main Cable & Suspender Rope Testing - Phase 1	\$33.7	\$33.7	\$33.7	Nov-17	Mar-17	Dec-17	F	4

1. Construction task will be procured through on-call construction contracts or change orders to existing capital projects.
2. Additional time is required to repond to questions from interested Design/Build teams.
3. The design package took longer than anticipated, hence pushing the construction forecast start date out by two months. Actual advertisement date for D701RK22 was August.
4. Actual advertisement date for D701VN34 was March.
5. Design/Build teams requested additional time to review RFP documents.

MTA Bridges and Tunnels
Completions as of November 30, 2017

2017 Budget Goal:	\$527.9	
2017 Annual Forecast:	\$552.6	
YTD Goal:	\$510.2	
YTD Actual:	\$545.0	(106.8% of YTD Goal)
Left to Complete:	\$7.7	



MTA Bridges and Tunnels: Status of Major Completions as of November 30, 2017

Project		Budget (\$ in Millions)		Completions Status		Completion Date		Notes
		2017 Goal	Actual / Forecast*	Physical % Complete	% Contingency Spent	2017 Goal	Actual / Forecast	
D601VN35	Steel Repair & Concrete Rehab. & Drainage Systems	\$11,064,339	\$11,064,339	99%	0%	Jun-17	May-17	A
D602VN80	Replace Upper Level Suspended Span; VN80C: Bus/HOV Access Improvement	\$84,780,020	\$84,780,020	99%	80%	Jun-17	May-17	A
D607VN35	Paint - Brooklyn & Staten Island Lower Level Ramps	\$15,893,313	\$15,893,313	99%	0%	Jun-17	May-17	A
D601RK23	Miscellaneous Rehab - Manhattan Approach Ramps	\$102,947,301	\$102,947,301	95%	57%	Oct-17	Oct-17	A
D602VN80	VN80B Replace Upper Level Suspended Span	\$243,929,977	\$243,929,977	96%	95%	Nov-17	May-17	A
D607VN80	Paint - Upper Level Superstructure	\$32,908,184	\$32,908,184	96%	0%	Nov-17	May-17	A
ED010324	MPB / CBB Master Plan & Resiliency Needs (CB-24)	\$10,000,000	\$10,000,000	90%	0%	Dec-17	Mar-18	F 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

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2017 PROJECT COMPLETIONS**

Project ID (ACEP)	Project Description	Type	Goal End Date	Goal Value	Budgeted Value	Actual End Date	Actual Value	Forecast End Date	Forecast Value
ED050301	Flood Mitigation-Relocate Rev Equip -VN	Construction	Apr-17	\$7,596,436	\$7,596,436	Apr-17	\$7,260,566		
			Apr-17 Total	\$7,596,436	\$7,596,436				
ED040303	Flood Mitigation-Generator at GIVB	Construction	May-17	\$4,964,711	\$4,964,711	Apr-17	\$4,964,711		
			May-17 Total	\$4,964,711	\$4,964,711				
D601VN35	Steel Repair & Concrete Rehab. & Drainage Systems	Construction	Jun-17	\$11,064,339	\$11,064,339	May-17	\$11,064,339		
D602VN80	Replace Upper Level Suspended Span; VN80C: Bus HOV Access Improvements	Construction - Sub-Project VN80C	Jun-17	\$84,780,020	\$84,780,020	May-17	\$84,780,020		
D607VN35	Paint - Brooklyn & Staten Island Lower Level Ramps	Construction	Jun-17	\$15,893,313	\$15,893,313	May-17	\$15,893,313		
			Jun-17 Total	\$111,737,672	\$111,737,672				
D607RK65	RK44: Paint - Plaza and Approach Ramps	Construction - Sub-Project RK44	Sep-17	\$6,082,621	\$6,082,621	Jul-17	\$6,082,621		
			Sep-17 Total	\$6,082,621	\$6,082,621				
D601RK23	Miscellaneous Rehab - Manhattan Approach Ramps	Construction	Oct-17	\$102,947,301	\$102,947,301	Oct-17	\$102,947,301		
			Oct-17 Total	\$102,947,301	\$102,947,301				
D602VN80	VN80B Replace Upper Level Suspended Span	Construction - Sub-Project VN80B	Nov-17	\$243,929,977	\$243,929,977	May-17	\$243,929,977		
D607VN80	Paint - Upper Level Superstructure	Construction	Nov-17	\$32,908,184	\$32,908,184	May-17	\$32,908,184		
			Nov-17 Total	\$276,838,161	\$276,838,161				
D602VN84	Widening of Belt Parkway Ramps DES	Design	Dec-17	\$7,686,915	\$7,686,915			Dec-17	\$7,686,915
ED010324	MPB / CBB Master Plan & Resiliency Needs (CB-24)	Design	Dec-17	\$10,000,000	\$10,000,000			Mar-18	-
			Dec-17 Total	\$17,686,915	\$17,686,915				
			Grand Total	\$527,853,817	\$527,853,817				
	Unplanned Completions								
D601QM18	Entrance and Exit Plazas Structural Rehabilitation	Construction		\$0	\$16,486,941	Jul-17	\$16,486,941		
D602BB54	Replacement Brooklyn Plaza Structural Slab	Construction		\$0	\$18,638,132	Nov-17	\$18,638,132		
			Grand Total:	\$527,853,817	\$562,978,890		\$544,956,105	Remaining	\$7,686,915

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

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2017 TASK LEVEL CLOSEOUTS**

PROJECT	PROJECT DESCRIPTION	TASK	TASK DESCRIPTION	CLOSEOUT WAR	CERTIFICATE	
					DATE	AMOUNT
D701RK19	Seismic/ Wind Retrofit & Structural Rehabilitation Phase I	D03424	BC Development F/A (TBTA-D1783)	D00001783A	Jan-17	\$31,904
D503AW35	Weather Information System	D02420	Operations-Maintenance F/A (TBTA_D1235)	D00001235B	Jan-17	\$72,564
D601AW98	Feasibility Study-BBT/QMT Improvements/Modernization	D02550	Feasibility Study (PSC-10-2877)	D00001365A	Jan-17	\$1,808,258
D604QM81	Controls/ Communication System	D02684	Design (PSC-13-2942X)	D00001635A	Jan-17	\$1,483,543
D601MP06	Substructure & Underwater Scour Protection	D03167	SBMP-MP06B-Construction South Abutment	D00001622D	Jan-17	\$851,416
D502TB64	Replace Deck-Randalls Island Viaduct	D02935	RK75 CM Repairs Queens-Manhattan (GFM474 #69)	D00001348B	Jan-17	\$25,788
D601TN52	Miscellaneous Structural Rehabilitation	D02994	CM-Safety Flag Repairs ((PSC-08-2849C)	D00001417A	Jan-17	\$28,960
D602RK75	Interim Repairs-Toll Plaza Deck	D03131	Construction Adm. Ph I	D00001581A	Jan-17	\$361,552
G5140104	B&T Triborough Hardening	G01817	Contr Constr: TBB Task 39/C52077	G00001436G	Jan-17	\$48,384,212
G5140107	08TSG RFK Bridge Hardening	G02423	Cns. - Suspender Rope Shielding	G00001822B	Jan-17	\$5,544,000
D704BW39	Install Electronic Monitoring & Detection Systems	D03418	BC Development F/A (TBTA-D1772)	D00001772A	Feb-17	\$57,968
D706AW21	Program Administration	D03443	2016 Indirect Program Adm F/A(TBTA-D1841)	D00001841A	Feb-17	\$1,976,390
D706AW21	Program Administration	D03444	2017 Program Adm F/A(TBTA-D1842)	D00001842A	Feb-17	\$233,347
D704HH13	Replacement of Facility Lighting System	D03361	PM Design F/A (TBTA-1766)	D00001766A	Feb-17	\$153,452
D606AW22	Miscellaneous	D03362	Independent Design-Build Review BW39?RK60	D00001879A	Feb-17	\$5,100
D602BW89	Deck Replacement-Elevated and On GradeApproach	D02600	Construction Support Services (PSC-06-2810)	D00001363B	Feb-17	\$4,002,952
D602TN82	Rehabilitate Orthotropic Deck-Phase B	D02743	TN82B-Construction Administration (PSC-10-2888)	D00001396B	Feb-17	\$2,215,536
D607TN82	Paint-Bronx and Queens Approach Spans	D02749	Paint Construction Administration (PSC-10-2888)	D00001397B	Feb-17	\$2,932,257
D402BW89	Approach Ramps Replacement & Lower Garage	D01690	BW89C-Design Phase II- Queens Approach (PSC-06-2810)	D00001170B	Feb-17	\$5,878,658
ED060201	Sandy Program Administration	E04012	2016 Grants Management (TBTA-E2433)	E00002433A	Feb-17	\$426,198
ED060201	Sandy Program Administration	E04013	2016 E & C Support (TBTA-E2435)	E00002435A	Feb-17	\$236,168
D501BW84	Cable and Anchorage Investigation	D01824	Design BW84A (PSC-05-2736)	D00001007A	Mar-17	\$2,585,263
D506AW28	Scope Development	D02331	BW/TN Traffic Study (PSC_06-2708A)	D00001165A	Mar-17	\$457,441
D506AW28	Scope Development	D02332	VN Bus HOV Lane Study (PSC-06-2807A)	D00001167A	Mar-17	\$209,273
D501VN32	Structural Steel Repairs	D02340	Construction Support Services (PSC-06-2807A)	D00001179A	Mar-17	\$92,405
D603AW36	Installation of CCTV / Fiber Optic Cable	D02486	PM Const F/A(RFK)(TBTA-D1532)	D00001532A	Mar-17	\$675,139
D604BB45	Replace Electrical Switchgear & Equipment	D02566	Construction Administration (PSC-10-2873)	D00001318A	Mar-17	\$4,327,511
G5140110	B&T 2008 BZPP Grant	G03476	VNB - BZPP CM	G00002509A	Mar-17	\$41,581
G5140110	B&T 2008 BZPP Grant	G03487	TNB - BZPP CM	G00002508A	Mar-17	\$30,883
D704QM91	Installation of Smoke Detection/Alarm Systems	D03570	BC Development F/A(TBTA-D1837)	D00001837A	Mar-17	\$55,850
D604BW15	Necklace Lighting	D02588	Construction Administration (PSC-08-2849A #21)	D00001554C	Mar-17	\$1,183,728
D603AW48	2nd Generation E-Zpass In-Lane	D02833	AET- Phase I- Gantry Construction Inspection	D00001288A	Mar-17	\$67,446
D601TN52	Miscellaneous Structural Rehabilitation	D03023	CM-Safety Flag Repairs ((PSC-08-2849B)	D00001580A	Mar-17	\$292,243
D606AW22	Miscellaneous	D03217	VE-HH88A (PSC-06-2807D WO#20)	D00001616B	Mar-17	\$90,202
D606AW22	Miscellaneous	D03242	Construction Rev-MP03 (PSC-06-2807E WO#16)	D00001639A	Mar-17	\$53,489
D703AW65	Toll Collection System Rehabilitation/ Upgrades	D03353	Design (PSC-12-2891B/ Task #39)	D00001801A	Mar-17	\$293,091
ED230110	Portable Emergency Generator NT 2014	E03450	Portable Emergency Operations Generator	D00002299A	Mar-17	\$128,369
D606AW28	Scope Development	D02472	ITS-PM Scope Development F/A (TBTA-D1449)	D00001449B	Apr-17	\$28,999
D601BW97	Concrete Anchorage Repairs	D02606	Construction Administration Bronx Anchorage(PSC-11-2905)	D00001506A	Apr-17	\$1,252,137
D603AW35	Weather Information Systems	D02883	BC Development F/A (TBTA-D1337)	D00001337A	May-17	\$47,431

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2017 TASK LEVEL CLOSEOUTS**

PROJECT	PROJECT DESCRIPTION	TASK	TASK DESCRIPTION	CLOSEOUT WAR	CERTIFICATE	CERTIFICATE
					DATE	AMOUNT
D701RK20	Cable Inspection and Rehabilitation	D03606	BC Development F/A (TBTA-D1851)	D00001851A	May-17	\$27,631
D702RK65	Reconstruct Manhattan Toll Plaza & Ramps	D03652	BC Development F/A-RK65B (TBTA-D1867)	D00001867A	May-17	\$0
D704AWX3	Bridge Structural Health Monitoring Initiatives	D03526	BC Development F/A (TBTA-D1836)	D00001836A	May-17	\$0
D705RK58	Rehabilitate Robert Moses Building and Ancillary Facilities	D03425	BC Development F/A (TBTA-D1777)	D00001777A	May-17	\$30,698
D707VN49	Paint Suspended Span Upper & Lower Level Steel	D03826	BC Development F/A (TBTA-D1834)	D00001834A	May-17	\$7,598
ED050202	Hugh L. Carey Tunnel Environmental Cleanup	E02664	Const. Adm. Ph(PSC-08-2849A,WO#33)	E00001507A	May-17	\$54,216
D704RK21	Install Fire Standpipe/UpgradeProtection System	D04041	Design Build Stipend (Picone)	D00001978A	Jun-17	\$35,000
D605BB45	Replace Electrical Switchgear & Equipment	D02565	PM Construction F/A (TBTA-D1271)	D00001271A	Jun-17	\$2,010,680
D601CB09	Substructure & Underwater Work	D02610	Construction (CB09)	D00001310C	Jun-17	\$16,268,851
D702TN55	Study for Bronx/Queens Approach Viaduct Replacement Design	D03693	BC Development F/A (TBTA-D1861)	D00001861A	Jun-17	\$27,345
D501CB08	Deck and Structural Rehabilitation	D01997	Construction Administration (PSC-06-2787)	D00001068C	Jun-17	\$3,219,388
D501CB09	Substructure & Underwater Repair	D02854	Construction Administration (PSC-06-2787)	D00001309B	Jun-17	\$1,770,220
D503AW36	Installation of CCTV/ Fiber Optics	D02155	CB08/CB09 -Construction Administration (PSC-06-2787)	D00001067B	Jun-17	\$53,158
D601TN52	Miscellaneous Structural Rehabilitation	D02734	Design (PSC-06-2807A Task 42)	D00001497A	Jun-17	\$193,065
D601TN52	Miscellaneous Structural Rehabilitation	D03020	Design (PSC-06-2807A Task 42A-2013)	D00001543A	Jun-17	\$133,359
D606AW28	Scope Development	D03169	Scope Development for VN Anchorage (PSC-06-2807A)	D00001558A	Jun-17	\$409,085
D601TN52	Miscellaneous Structural Rehabilitation	D03024	Design (TN-52A)PSC-06-2807A #42B	D00001630A	Jun-17	\$174,993
D602BW89	Deck Replacement - Elevated and On Grade Approach	D03137	Traffic Enforce Agents (MOU-08-33)	D00001526B	Jun-17	\$1,299,948
D604BB45	Replace Electrical Switchgear & Equipment	D02567	Construction	D00001325C	Jul-17	\$43,542,351
D505QM01	Service & FE Building Rehabilitation	D02923	Design (PSC-06-2807B WO#12)	D00001465A	Jul-17	\$481,202
D605BB43	Miscellaneous Repairs at Battery Parking Garage	D03053	Design-Structural (PSC-06-2807B WO#16)	D00001511C	Jul-17	\$254,680
D606AW28	Scope Development	D03009	Scope Development Fan Motors(PSC-06-2807B)	D00001525B	Jul-17	\$84,910
D502VN80	Rehab Decks on Suspended Spans	D02987	Seismic Retrofit Design (PSC-06-2807B)	D00001415A	Jul-17	\$187,449
D502VN84	Widening of Belt Parkway Ramps	D03088	Peer Review (PSC-06-2807B)	D00001469A	Jul-17	\$75,720
D602BW89	Deck Replacement-Elevated and On GradeApproach	D02597	PM Construction F/A-Queens Approach (TBTA-D1335)	D00001335A	Jul-17	\$3,448,104
D601RK19	Seismic and Wind Study	D03075	PM Design Brief F/A (TBTA-D1509)	D00001509B	Jul-17	\$325,715
D602RK65	Deck Replacement-Bronx/ Manhattan Ramps/ Toll Plaza	D03250	RK65A Operations F/A-Retrofit (TBTA-D1663)	D00001663A	Jul-17	\$48,418
D601QM40	Tunnel Wall and Ceiling Repairs and Leak Control	D02677	PM Design F/A (TBTA-1520)	D00001520A	Jul-17	\$888,124
D602RK65	Deck Replacement-Bronx/ Manhattan Ramps/ Toll Plaza	D03136	RK65R2-PM Construction F/A-Training Facility (TBTA-D1682)	D00001682A	Jul-17	\$921,041
D703AW32	Installation of Rotating Prism Signs	D03412	Rotating Prism Signs PM Construction F/A(TBTA-D1843)	D00001843A	Jul-17	\$94,610
D705AW66	Operations Command Center Rehabilitation/Replacement	D03488	BC Development F/A(TBTA-D1860)	D00001860A	Jul-17	\$0
D604QM81	Controls/Communication System	D02683	PM Design F/A (TBTA-D1562)	D00001562A	Aug-17	\$523,877
ED010304	QMT Mitigation- Perimeter Work & Floodgates	E03431	Construction - Backflow Preventers - SBMP	E00002225B	Aug-17	\$571,922
D701HH89	Skewback Retrofit	D04033	Stipend Halmar(HH89) PSC16-2985A	D00002004A	Aug-17	\$166,000
D701HH89	Skewback Retrofit	D04036	Stipend Judlau (HH89) PSC16-2985B	D00002005A	Aug-17	\$166,000
D701HH89	Skewback Retrofit	D04037	Stipend Kiewit (HH89) PSC16-2985C	D00002006A	Aug-17	\$166,000
D701HH89	Skewback Retrofit	D04038	Stipend Skanska (HH89) PSC16-2985D	D00002007A	Aug-17	\$166,000
D602MP21	Rehabilitate Rockaway Point Blvd Overpass	D02655	PM D/B Construction F/A (TBTA-D1717)	D00001717B	Sep-17	\$541,360
D403AW80	VMS and Gantry Installation	D02158	Design CB08 (CB08/CB09) (PSC-03-2682)	D00001058A	Sep-17	\$20,362
D701QM80	Manhattan/Queens Plaza Structural Rehabilitation	D03422	BC Development F/A (TBTA-D1786)	D00001786A	Sep-17	\$29,906

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2017 TASK LEVEL CLOSEOUTS**

PROJECT	PROJECT DESCRIPTION	TASK	TASK DESCRIPTION	CLOSEOUT WAR	CERTIFICATE DATE	CERTIFICATE AMOUNT
D601TN52	Miscellaneous Structural Rehabilitation	D03027	CM-Safety Flag Repairs (PSC13-2923E WO#8)	D00001695A	Sep-17	\$737,198
D601MP06	Substructure & Underwater Scour Protection	D03165	SBMP-MP06B-Construction Admin(PSC13-2924)	D00001659B	Sep-17	\$202,287
D701CB18	CB Scour Protection/Repair/Replace CB/MP Pier Fender System	D03420	BC Development F/A (TBTA-D1773)	D00001773A	Nov-17	\$55,840
D704HC07	Rehabilitation of HCT Ventilation System	D03598	BC Development F/A (TBTA-D1866)	D00001866A	Nov-17	\$25,364
D704HC30	Installation of Smoke Detection/Alarm Systems	D03624	BC Development F/A (TBTA-D1839)	D00001839A	Nov-17	\$10,908
D704HC64	Brooklyn Service Building Electrical Rehabilitation	D03734	BC Development F/A (TBTA-D1840)	D00001840B	Nov-17	\$43,918
D602RK65	Deck Replacement-Bronx/Manhattan Ramps/Toll Plaza	D03003	RK65R-Maintenance Facility PM Construction F/A(TBTA-D1467)	D00001467C	Nov-17	\$1,025,266
D501TN85	Suspended Span Cable Rewrap	D02145	TN85C-PM Construction F/A (TBTA-D1297)	D00001297B	Nov-17	\$938,633
D607TN85	Steel Repairs-Suspended Span	D02752	Paint-PM Construction F/A (TBTA-D1278)	D00001278A	Nov-17	\$217,608
D602HH88	Replace Upper & Lower Level Plaza & Southbound Approach	D03060	PM Design F/A (TBTA-D1508)	D00001508A	Nov-17	\$1,252,518
D602HH88	Replace Upper & Lower Level Plaza & Southbound Approach	D03065	PM Construction F/A (TBTA-D1707)	D00001707B	Nov-17	\$1,433,710
D704VN30	Elevator Rehabilitation	D03729	BC Development F/A (TBTA-D1865)	D00001865A	Nov-17	\$30,001
D604MP03	Programmable Logic Controller & Mechanical Rehabilitation	D03204	Phase 1-PM Design/Build RFP F/A(TBTA-D1618)	D00001618A	Nov-17	\$50,346
Total					93	\$173,065,285

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2017 CAPITAL MILESTONE BACK-UP - PROJECT AWARDS

ACEP	Project Description	IMPACT Task Task Description	Goal Start	Goal Value	Budget Value	Actual Start Date	Actual Value	Forecast Start	Forecast Value
			Date					Date	
D705AW66	Operations Command Center Rehab/Replacement	D03490 PM Const. F/A	Jan-17	\$500,000	\$500,000			--	--
D705AW66	Operations Command Center Rehab/Replacement	D03493 Construction(GFM-516 wo11)	Jan-17	\$8,295,085	\$8,295,085	Feb-17	\$8,295,085		
D706AW21	Program Administration	D03445 2017 Indirect Program Adm F/A	Jan-17	\$2,000,000	\$2,000,000	Jan-17	\$2,000,000		
D706AW21	Program Administration	D03446 2017 Program Adm F/A	Jan-17	\$1,100,000	\$1,100,000	Jan-17	\$1,100,000		
D703AW65	Toll Collection System Rehab.	D03936 ORT-Satellite Booths-BWB -Air Monit.	Jan-17	\$2,760	\$2,760	Jan-17	\$2,760		
D703AW65	Toll Collection System Rehab.	D03937 ORT-Satellite Booths-BWB-Abatement	Jan-17	\$6,815	\$6,815	Jan-17	\$6,815		
D703AW65	Toll Collection System Rehab.	D03938 ORT-Satellite Booths-BWB-Proj. Monit.	Jan-17	\$8,530	\$8,530	Jan-17	\$8,530		
D703AW65	Toll Collection System Rehab.	D03881 ORT Const. Adm. MP PSC-15-2965	Jan-17	\$315,000	\$315,000	Jan-17	\$315,000		
D703AW65	Toll Collection System Rehab.	D03883 ORT Const. Adm. CB PSC-15-2965	Jan-17	\$315,000	\$315,000	Jan-17	\$315,000		
D703AW65	Toll Collection System Rehab.	D03935 Lighting Mock-up - HHB	Jan-17	\$86,359	\$86,359	Jan-17	\$86,359		
D701VN32	Steel Repair & Concrete Rehabilitation	D03741 BC Development F/A	Jan-17	\$56,243	\$56,243	Jul-17	\$56,243		
			Jan-17 Total	\$12,685,792	\$12,685,792				
D704AW81	Installation of Digital Roadway Signage at all Facilities	D03972 Digital Sign RFK -Bx. Truss	Feb-17	\$493,145	\$493,145	Jan-17	\$493,145		
D706AW28	Scope Development	D03457 Scope Dev.-L-T Cable/Susp.	Feb-17	\$1,638,000	\$1,638,000	Mar-17	\$1,620,941		
D703AW65	Toll Collection System Rehab.	D03966 Final Aesthetic Designs(PSC12-2891F wo101)	Feb-17	\$2,000,000	\$2,000,000	May-17	\$2,022,020		
D703AW65	Toll Collection System Rehab.	D03949 Lighting Mock-up - RFK	Feb-17	\$272,968	\$272,968	Jan-17	\$376,693		
D703AW65	Toll Collection System Rehab.	D03954 Lighting Mock-up MPB	Feb-17	\$328,354	\$328,354	May-17	\$214,789		
D703AW65	Toll Collection System Rehab.	D03969 Lighting Mock-up CBB	Feb-17	\$192,831	\$192,831	May-17	\$115,173		
D702RK65	Interim Repairs - RFK	D03965 Construction Manhattan Plaza Deck (RK23A)	Feb-17	\$12,285,000	\$12,285,000	Feb-17	\$12,285,000		
D703RK63	Open Road Tolling Initiative - RFK Bridge	D03950 ORT - Civil Construction Manhattan Plaza	Feb-17	\$12,925,000	\$12,925,000	Feb-17	\$12,925,000		
			Feb-17 Total	\$30,135,298	\$30,135,298				
D703BW63	Open Road Tolling Initiative - BW Bridge	D04046 ORT Civil Construction (BW14/BW84)	Mar-17	\$2,100,000	\$2,100,000	Mar-17	\$21,734,527		
D703CB63	Open Road Tolling Initiative - CB Bridge	D03995 ORT - Civil Construction (Ph.1 & 2)	Mar-17	\$11,998,564	\$11,998,564	Mar-17	\$8,257,917		
D703MP63	Open Road Tolling Initiative - MP Bridge	D03990 ORT - Civil Construction (Ph.1 & 2)	Mar-17	\$13,339,765	\$13,339,765	Mar-17	\$6,751,834		
D703RK63	Open Road Tolling Initiative - RFK Bridge	D03951 ORT Civil Construction - Bronx/Queens	Mar-17	\$27,000,000	\$27,000,000	Mar-17	\$24,255,000		
D703RK63	Open Road Tolling Initiative - RFK Bridge	D03967 ORT - Const. Adm. RFK Manhattan	Mar-17	\$556,000	\$556,000	May-17	\$138,045		
D703RK63	Open Road Tolling Initiative - RFK Bridge	D03968 ORT - Const. Adm. RFK Bronx/Queens	Mar-17	\$500,000	\$500,000			Dec-17	\$500,000
D703VN63	Open Road Tolling Initiative - VN Bridge	D04000 ORT - Civil Construction (Ph.1)	Mar-17	\$23,500,000	\$23,500,000	Mar-17	\$53,259,544		
			Mar-17 Total	\$78,994,329	\$78,994,329				
D704HC07	Rehabilitation of HCT Ventilation Systems	D03603 PM Design F/A & D/B RFP Dev.	Apr-17	\$750,000	\$750,000	Sep-17	\$656,760		
D704HH13	Replacement of Facility Lighting System	D03781 CSS	Apr-17	\$325,662	\$300,000	Apr-17	\$308,753		
D704HH13	Replacement of Facility Lighting System	D03782 Construction	Apr-17	\$13,955,582	\$12,188,462	Apr-17	\$10,016,650		

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				Date					Date	
D701HH89	Skewback Retrofit	D03523	Design QA/QC(PSC-13-2929)	Apr-17	\$584,929	\$584,929	Apr-17	\$1,604,845		
D701HH89	Skewback Retrofit	D03524	Design/Build	Apr-17	\$83,680,000	\$66,012,079	May-17	\$85,722,000		
D701HH89	Skewback Retrofit	D03528	Operations F/A	Apr-17	\$355,988	\$355,988	Jul-17	\$355,988		
D703HH88	Toll Plazas & Southbound Approach Reconstruction	D03795	Construction	Apr-17	\$73,266,804	\$65,555,329	Apr-17	\$73,004,170		
D703HH88	Toll Plazas & Southbound Approach Reconstruction	D03794	CSS	Apr-17	\$2,818,391	\$1,921,064	Apr-17	\$2,796,165		
D703HH88	Toll Plazas & Southbound Approach Reconstruction	D03797	Operations F/A	Apr-17	\$533,923	\$533,923	Jul-17	\$533,923		
D701RK20	Cable Inspection and Rehabilitation	D03607	PM Design F/A	Apr-17	\$865,929	\$865,929			--	--
D701RK70	Miscellaneous Structural Rehabilitation	D03662	Design	Apr-17	\$3,700,000	\$3,700,000	Jul-17	\$1,059,554		
D707RK70	Paint Suspended Span/Bronx Truss Steel	D03670	Design	Apr-17	\$330,000	\$330,000			--	--
D701RK19	Seismic/Wind Retrofit & Structural Rehab Ph1	D03592	Design	Apr-17	\$3,500,000	\$3,500,000	Jul-17	\$2,538,967		
				Apr-17 Total	\$184,667,208	\$156,597,703				
D702TN55	Study for Bx/Queens Approach Viaduct Replacement	D03694	PM Design Study F/A(TBTA-D2034)	May-17	\$1,333,297	\$1,333,297	Jun-17	\$1,333,297		
D702TN55	Study for Bx/Queens Approach Viaduct Replacement	D03695	Study & Geotechnical Survey PSC-16-3003	May-17	\$10,000,000	\$10,000,000	May-17	\$8,817,855		
D702TN55	Study for Bx/Queens Approach Viaduct Replacement	D03697	Geotechnical Survey PSC-16-3003	May-17	\$0	\$0			--	--
				May-17 Total	\$11,333,297	\$11,333,297				
D705AW66	Operations Command Center Replacement	D03957	Video Display Wall Furnish/Install	Jun-17	\$1,700,000	\$1,700,000	Aug-17	\$713,690		
D705AW66	Operations Command Center Replacement	D03958	OCCC Workstation equipment purchases	Jun-17	\$200,000	\$200,000	Aug-17	\$52,170		
D505QM02	Service Building Rehab.	D04102	Renovate Bathroom/Kitchens -Svc. & Vent Bldgs Ph.5	Jun-17	\$1,400,000	\$1,400,000			Dec-17	\$1,400,000
D701RK20	Cable Inspection and Rehabilitation	D03608	Design	Jun-17	\$2,221,243	\$2,221,243	Aug-17	\$1,421,190		
				Jun-17 Total	\$5,521,243	\$5,521,243				
D706AW18	Protective Liability Insurance	D03440	2017-AAPL	Jul-17	\$2,500,000	\$2,500,000	May-17	\$1,458,888		
D704BW39	Install Electronic Monitoring & Detection Systems	D03558	PM Const.F/A	Jul-17	\$1,000,000	\$1,000,000			--	--
D704BW39	Install Electronic Monitoring & Detection Systems	D03559	Constr. QC and Admin.	Jul-17	\$1,727,250	\$1,727,250			Dec-17	\$1,907,054
D704BW39	Install Electronic Monitoring & Detection Systems	D03560	CSS	Jul-17	\$1,000,000	\$1,000,000			Dec-17	\$1,000,000
D704BW39	Install Electronic Monitoring & Detection Systems	D03566	Design/Build	Jul-17	\$22,955,703	\$22,955,703			Dec-17	\$22,955,703
D704RK60	Install Electronic Monitoring & Detection Systems	D03647	PM Construction F/A	Jul-17	\$1,000,000	\$1,000,000			--	--
D704RK60	Install Electronic Monitoring & Detection Systems	D03648	Constr. QC and Admin.	Jul-17	\$2,263,689	\$2,263,689			Dec-17	\$2,728,499
D704RK60	Install Electronic Monitoring & Detection Systems	D03649	CSS	Jul-17	\$1,000,000	\$1,000,000			Dec-17	\$1,000,000
D704RK60	Install Electronic Monitoring & Detection Systems	D03650	Design/Build	Jul-17	\$34,270,492	\$34,270,492			Dec-17	\$34,270,492
				Jul-17 Total	\$67,717,134	\$67,717,134				
D702VN80	Prelim Design for Suspended Span Lower Level Deck	D03822	BC Development F/A(TBTA-D2082)	Aug-17	\$58,493	\$58,493	Nov-17	\$58,493		
				Aug-17 Total	\$58,493	\$58,493				

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				Date					Date	
D702RK23	Construction of New Harlem River Drive Ramp	D03632	PM Design F/A & RFP Dev.	Sep-17	\$500,000	\$500,000			Dec-17	\$500,000
D701RK22	Interim Repairs - FDR Ramp	D03625	PM Construction F/A(TBTA-D2074)	Sep-17	\$400,000	\$400,000	Nov-17	\$400,000		
D701RK22	Interim Repairs - FDR Ramp	D03626	Construction Administration	Sep-17	\$2,300,000	\$2,300,000			Dec-17	\$2,300,000
D701RK22	Interim Repairs - FDR Ramp	D03627	CSS	Sep-17	\$600,000	\$600,000			Dec-17	\$600,000
D701RK22	Interim Repairs - FDR Ramp	D03628	Construction	Sep-17	\$20,000,000	\$20,000,000			Dec-17	\$20,000,000
D705RK58	Rehab Robert Moses Bldg & Ancillary Facilities	D03639	PM Design F/A	Sep-17	\$800,000	\$800,000			Dec-17	\$800,000
D705RK58	Rehab Robert Moses Bldg & Ancillary Facilities	D03640	Design	Sep-17	\$2,000,000	\$2,000,000			Dec-17	\$2,000,000
D601TN52	Miscellaneous Structural Rehabilitation	D03960	TN52-A1-Construction - Catwalk	Sep-17	\$4,800,000	\$4,800,000			Dec-17	\$4,800,000
D601TN52	Miscellaneous Structural Rehabilitation	D03961	TN52-A1-Const. Adm. - Catwalk	Sep-17	\$600,000	\$600,000	Sep-17	\$218,442		
D601TN52	Miscellaneous Structural Rehabilitation	D03963	TN52-A1-PM Construction F/A	Sep-17	\$220,000	\$220,000			--	--
D601TN52	Miscellaneous Structural Rehabilitation	D03964	TN52-A1-Flag Repairs	Sep-17	\$2,520,000	\$2,520,000	Sep-17	\$2,756,250		
				Sep-17 Total	\$34,740,000	\$34,740,000				
D704TN27	Install Service Building Alarm Systems & Upgrades (SBMP)	D04121	PM Construction F/A	Oct-17	\$90,000	\$90,000			Dec-17	\$90,000
D704TN27	Install Service Building Alarm Systems & Upgrades (SBMP)	D04122	SBMP Construction	Oct-17	\$892,500	\$892,500			Dec-17	\$892,500
D704TN27	Install Service Building Alarm Systems & Upgrades (SBMP)	D04123	Constr. Adm.(PSC13-2923FA wo44)	Oct-17	\$106,911	\$106,911	Oct-17	\$106,911		
D704TN27	Install Service Building Alarm Systems & Upgrades (SBMP)	D04124	CSS	Oct-17	\$78,750	\$78,750			Dec-17	\$78,750
				Oct-17 Total	\$1,168,161	\$1,168,161				
D704RK07	Electrical/Mechanical Rehab of HR Lift Span	D03582	PM Construction F/A	Nov-17	\$340,000	\$340,000			Dec-17	\$340,000
D704RK07	Electrical/Mechanical Rehab of HR Lift Span	D03583	Construction Administration	Nov-17	\$1,700,000	\$1,700,000			Dec-17	\$1,700,000
D704RK07	Electrical/Mechanical Rehab of HR Lift Span	D03584	CSS	Nov-17	\$340,000	\$340,000			Dec-17	\$340,000
D704RK07	Electrical/Mechanical Rehab of HR Lift Span	D03585	Design/Build	Nov-17	\$17,000,000	\$17,000,000				
D704RK07	Electrical/Mechanical Rehab of HR Lift Span	D03586	Operations F/A	Nov-17	\$250,000	\$250,000			Dec-17	\$250,000
D701VN34	Main Cable & Suspender Rope Testing - Phase 1	D03755	PM Construction F/A	Nov-17	\$1,409,786	\$1,409,786	Oct-17	\$1,409,786		
D701VN34	Main Cable & Suspender Rope Testing - Phase 1	D03756	Constr. QC and Admin.	Nov-17	\$3,374,592	\$3,374,592			Dec-17	\$3,374,592
D701VN34	Main Cable & Suspender Rope Testing - Phase 1	D03757	Design QA	Nov-17	\$700,000	\$700,000			Dec-17	\$700,000
D701VN34	Main Cable & Suspender Rope Testing - Phase 1	D03759	Design/Build (Main Cable & Susp Ropes)	Nov-17	\$33,745,920	\$33,745,920			Dec-17	\$33,745,920
				Nov-17 Total	\$58,860,298	\$58,860,298				
ED050302	Flood Mitigation	E03739	BWB Design	Dec-17	\$606,654	\$606,654			Dec-17	\$606,654
ED050302	Flood Mitigation	E04328	BWB PM Design F/A	Dec-17	\$301,250	\$301,250			Dec-17	\$301,250
ED050302	Flood Mitigation	E04448	CBB Design	Dec-17	\$141,750	\$141,750			Dec-17	\$141,750
ED050302	Flood Mitigation	E04449	CBB PM Design F/A	Dec-17	\$67,500	\$67,500			Dec-17	\$67,500
ED050302	Flood Mitigation	E04450	MPB Design	Dec-17	\$147,000	\$147,000			Dec-17	\$147,000

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ED050302	Flood Mitigation	E04451	MPB Design F/A	Dec-17	\$70,000	\$70,000			Dec-17	\$70,000
ED050302	Flood Mitigation	E03768	RFK Design	Dec-17	\$116,550	\$116,550			Dec-17	\$116,550
ED050302	Flood Mitigation	E04446	RFK PM Design F/A	Dec-17	\$55,000	\$55,000			Dec-17	\$55,000
ED050302	Flood Mitigation	E03769	RMB Design	Dec-17	\$144,375	\$144,375			Dec-17	\$144,375
ED050302	Flood Mitigation	E04447	RMB PM Design F/A	Dec-17	\$68,750	\$68,750			Dec-17	\$68,750
ED050302	Flood Mitigation	E03740	TNB Design	Dec-17	\$255,959	\$255,959			Dec-17	\$255,959
ED050302	Flood Mitigation	E04327	TNB PM Design F/A	Dec-17	\$55,000	\$55,000			Dec-17	\$55,000
D701HH89	Skewback Retrofit	D03525	Mitigation	Dec-17	\$2,339,717	\$2,339,717			Dec-17	\$2,339,717
D702RK65	Reconstruct Manhattan Toll Plaza Structure & Ramps	D03653	PM Design F/A	Dec-17	\$500,000	\$500,000			Dec-17	\$500,000
					Dec-17 Total	\$4,869,505	\$4,869,505			
					Grand Total	\$490,750,758	\$462,681,253			
Unplanned Commitments										
D706AW28	Scope Development	D03852	Scope Dev-HH14 (PSC-12-2891L/WO #92)			\$195,828	Jan-17	\$195,828		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03930	ORT-RFK Kapsch 07-IAG-2782A			\$193,344	Jan-17	\$193,344		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03929	ORT-CBB Kapsch 07-IAG-2782A			\$95,333	Jan-17	\$95,333		
D706AW28	Scope Development	D03922	RKBx Trss Span-Fire Vul(PSC-12-2891L/WO90)			\$102,263	Jan-17	\$102,263		
D703HC63	Open Road Tolling Initiative at HLCT	D03944	TEB Protection -Design QA			\$4,070	Feb-17	\$4,070		
D703HC63	Open Road Tolling Initiative at HLCT	D03945	TEB Protection -Construction QA			\$11,510	Feb-17	\$11,510		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03887	ORT-BBT Transmit			\$83,173	Feb-17	\$83,173		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03928	ORT-MPB Kapsch 07-IAG-2782A			\$97,267	Feb-17	\$97,267		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03931	ORT-BWB Kapsch 07-IAG-2782A			\$111,938	Feb-17	\$111,938		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03932	ORT-TNB Kapsch 07-IAG-2782A			\$121,154	Feb-17	\$121,154		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03933	ORT-VNB Kapsch 07-IAG-2782A			\$153,236	Feb-17	\$153,236		
D703HH88	Toll Plaza & Southbound Approach Reconstruction	D03886	CM Demolition UL/LL Tollbooths (PSC-14-2950)			\$44,138	Feb-17	\$44,138		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04036	Construction Quality Oversight			\$1,150,949	Feb-17	\$1,150,949		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04037	Design Quality Oversight			\$407,042	Feb-17	\$407,042		
ED010304	Queens Midtown Tunnel Mitigation-Flood Gates & Other Work	E04047	Construction Quality Oversight			\$840,193	Feb-17	\$840,193		
ED010304	Queens Midtown Tunnel Mitigation-Flood Gates & Other Work	E04048	Design Quality Oversight			\$297,141	Feb-17	\$297,141		
ED050303	Hugh Carey Tunnel -GIVB Mitigation-Raise Seawalls	E04056	Construction Quality Oversight			\$299,247	Feb-17	\$299,247		
ED050303	Hugh Carey Tunnel -GIVB Mitigation-Raise Seawalls	E04057	Design Quality Oversight			\$105,831	Feb-17	\$105,831		
ED060201	Sandy Program Administration	E04177	2017 Grants Management (TBTA-E2777)			\$1,000,000	Feb-17	\$1,000,000		
ED060201	Sandy Program Administration	E04178	2017 E & C Support (TBTA-E2778)			\$1,000,000	Feb-17	\$1,000,000		
D703HC63	Open Road Tolling Initiative at HLCT	D03941	Dsgn for OHVD Syst-BBT(PSC15-2980B/WO#3			\$208,837	Mar-17	\$208,837		
D703QM63	Open Road Tolling Initiative at QMT	D03942	Dsgn for OHVD Syst-QMT(PSC15-2980B/WO#3			\$315,325	Mar-17	\$315,325		
D703QM63	Open Road Tolling Initiative at QMT	D03913	ORT-PM Const F/A (TBTA-D1963)			\$680,000	Mar-17	\$680,000		
D703QM63	Open Road Tolling Initiative at QMT	D03971	ORT-Asb. AbateConduit Remv.(ETS/12HS2894C			\$147,265	Mar-17	\$147,265		

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				Date					Date	
D703QM63	Open Road Tolling Initiative at QMT	D03977	ORT-Proj. Monit. Cond.Rem(EPM/PSC-12-2907A/89			\$46,510	Mar-17	\$46,510		
D703QM63	Open Road Tolling Initiative at QMT	D03978	ORT-Proj. Monit. Cond.(L.B./PSC07-2907A			\$25,170	Mar-17	\$25,170		
D703QM63	Open Road Tolling Initiative at QMT	D03979	ORT-Air Monit. (ATC/PSC12-2907C/WO90			\$30,232	Mar-17	\$30,232		
D703QM63	Open Road Tolling Initiative at QMT	D04004	ORT-PM Const Maint F/A (TBTA-D1968)			\$323,700	Mar-17	\$323,700		
D705AW66	Operations Command Center Rehab/Replacement	D03489	PM Design/Construction F/A (TBTA-D1973)			\$710,063	Mar-17	\$710,063		
D703MP63	Open Road Tolling Initiative at MPP	D04008	ORT-PM Const Maint F/A (TBTA-D1972)			\$100,772	Mar-17	\$100,772		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04006	ORT-PM Const Maint F/A (TBTA-D1971)			\$128,913	Mar-17	\$128,913		
D703VN63	Open Road Tolling Initiative at VNB	D04007	ORT-PM Const Maint F/A (TBTA-D1970)			\$100,163	Mar-17	\$100,163		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04003	ORT-PM Const F/A (TBTA-D1966)			\$1,404,000	Mar-17	\$1,404,000		
D703VN63	Open Road Tolling Initiative at VNB	D03997	ORT-PM Const F/A (TBTA-D1967)			\$921,500	Mar-17	\$921,500		
D703MP63	Open Road Tolling Initiative at MPB	D03987	ORT-PM Const F/A (TBTA-D1965)			\$385,200	Mar-17	\$385,200		
D704RK21	Install Fire Standpipe/Upgrade Protection System	D04041	Design/Build Stipend (Picone)			\$35,000	Mar-17	\$35,000		
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03952	Lighting Mockup BW			\$175,618	Mar-17	\$175,618		
D703BW63	Open Road Tolling Initiative at BWB	D04043	ORT-PM Const F/A (TBTA-D1982)			\$977,824	Mar-17	\$977,824		
D703BW63	Open Road Tolling Initiative at BWB	D04048	ORT-PM Const Maint F/A (TBTA-D1984)			\$95,875	Mar-17	\$95,875		
D703TN63	Open Road Tolling Initiative at TNB	D04059	Civil Construction (TN60)			\$19,056,765	Mar-17	\$19,056,765		
D703TN63	Open Road Tolling Initiative at TNB	D04056	ORT-PM Const F/A (TBTA-D1983)			\$1,571,171	Mar-17	\$1,571,171		
D703TN63	Open Road Tolling Initiative at TNB	D04061	ORT-PM Const Maint F/A (TBTA-D1985)			\$94,880	Mar-17	\$94,880		
D703HC63	Open Road Tolling Initiative at HLCT	D03907	ORT-PM Const F/A (TBTA-D1964)			\$680,000	Mar-17	\$680,000		
D703HC63	Open Road Tolling Initiative at HLCT	D04005	ORT-PM Const Maint F/A (TBTA-D1969)			\$223,500	Mar-17	\$223,500		
D702AWX1	Agency Wide Planning/Strategic Initiatives	D03980	HC11: Design & CSS			\$313,075	Apr-17	\$313,075		
D703HH88	Toll Plazas & Southbound Approach Reconstruction	D03892	HH88:ORT Gantry Conceptual Design			\$249,134	May-17	\$249,134		
D703HC63	Open Road Tolling Initiative at HLCT	D03906	HC63: ORT Design/CSS (PSC-12-2891L WO)			\$275,933	May-17	\$275,933		
D703QM63	Open Road Tolling Initiative at QMT	D03912	QM63:ORT Design/CSS (PSC-12-2891L WO)			\$477,968	May-17	\$477,968		
D703MP63	Open Road Tolling Initiative at MPP	D04002	ORT Civil Construction (CB99S)			\$1,243,200	May-17	\$1,243,200		
D702RK65	Reconstruct Manhattan Toll Plaza Structure and Ramps	D03656	RK65A: ORT Construction Administration			\$583,717	May-17	\$583,717		
D606AW22	Miscellaneous	D03981	Risk Assessment-RK07 PSC-15-2978B WO#4			\$102,596	May-17	\$102,596		
D701HH89	Skewback Retrofit	D04033	Stipend Halmar (HH89) PSC-16-2985A			\$166,000	May-17	\$166,000		
D701HH89	Skewback Retrofit	D04036	Stipend Judlau (HH89) PSC-16-2985B			\$166,000	May-17	\$166,000		
D701HH89	Skewback Retrofit	D04038	Stipend Skanska (HH89) PSC-16-2985D			\$166,000	May-17	\$166,000		
D701HH89	Skewback Retrofit	D04037	Stipend Kiewit (HH89) PSC-16-2985C			\$166,000	May-17	\$166,000		
D702AWX1	Agency Wide Planning/Strategic Initiatives	D04052	HC11 - PM Construction F/A (TBTA-D2008)			\$120,000	May-17	\$120,000		
D703AW65	Toll Collection System Rehab.	D03955	Lighting Mockup TN(TN task 26)			\$38,510	May-17	\$38,510		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D03970	ORT-Design CSS Bronx/Queens RFK(PSC-11-2865)			\$2,457,524	Jun-17	\$2,457,524		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04075	Civil Construction-Phase 2 2Way Manhattan			\$6,344,919	Jun-17	\$6,344,919		
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03976	ORT-CSS-Bridges PSC-16-2891 hwo4-HNTB			\$2,458,686	Jun-17	\$2,458,686		
D703TN63	Open Road Tolling Initiative at TNB	D04057	Construction Administration (PSC-15-2967)			\$1,611,245	Jun-17	\$1,611,245		
D703BW63	Open Road Tolling Initiative at BWB	D04044	Construction Admin (PSC-15-2966/ BW14/84C)			\$1,257,355	Jun-17	\$1,257,355		
D703HC63	Open Road Tolling Initiative at HLCT	D04010	Artwork-Kaynemaile			\$254,492	Jun-17	\$254,492		
D703QM63	Open Road Tolling Initiative at QMT	D04011	Artwork-Kynemaile			\$488,563	Jun-17	\$488,563		
D703HC63	Open Road Tolling Initiative at HLCT	D04012	Gateway Tower -Construction			\$17,134,980	Jun-17	\$17,134,980		
D703BW63	Open Road Tolling Initiative at BWB	D04093	BW63: Gateway Tower -Beacon Purchase			\$333,156	Jun-17	\$333,156		

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2017 CAPITAL MILESTONE BACK-UP - PROJECT AWARDS

ACEP	Project Description	IMPACT Task	Task Description	Goal Start Date	Goal Value	Budget Value	Actual Start Date	Actual Value	Forecast Start Date	Forecast Value
D703HH63	Open Road Tolling Aesthetics	D04117	HH63:Gateway Tower -Beacon Purchase (BB28S)			\$333,156	Jun-17	\$333,156		
D703CB63	Open Road Tolling Initiative at CBB	D04095	CB63: Gateway Tower -Beacon Purchase			\$333,156	Jun-17	\$333,156		
D703MP63	Open Road Tolling Initiative at MPP	D04096	MP63: Gateway Tower -Beacon Purchase			\$333,156	Jun-17	\$333,156		
D703QM63	Open Road Tolling Initiative at QMT	D04090	QM63: Gateway Tower -Beacon Purchase			\$661,869	Jun-17	\$661,869		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04091	RK63: Gateway Tower -Beacon Purchase			\$661,869	Jun-17	\$661,869		
D703TN63	Open Road Tolling Initiative at TNB	D04094	TN63: Gateway Tower -Beacon Purchase			\$333,156	Jun-17	\$333,156		
D703VN63	Open Road Tolling Initiative at VNB	D04092	VN63: Gateway Tower -Beacon Purchase			\$333,156	Jun-17	\$333,156		
D703QM63	Open Road Tolling Initiative at QMT	D04087	Queens Portal Decluttering- Construction			\$1,411,295	Jun-17	\$1,411,295		
D703MP63	Open Road Tolling Initiative at MPP	D04024	Gateway Tower -Construction			\$4,938,899	Jun-17	\$4,938,899		
D703CB63	Open Road Tolling Initiative at CBB	D04027	Gateway Tower -Construction			\$4,938,899	Jun-17	\$4,938,899		
D703AW65	Toll Collection System Rehabilitation/Upgrades	D04082	Gateway Tower Design & CSS -HDR-PSC-16-2991			\$5,872,890	Jun-17	\$5,872,890		
D706AW22	Miscellaneous	D04040	TN49: Risk Assessment (PSC-16-2291G/WO#5)			\$294,095	Jul-17	\$294,095		
D703AW65	Toll Collection System Rehabilitation/Upgrades	D04104	VN-ORT CM-VN-MIT-01			\$6,217	Jul-17	\$6,217		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04018	Gateway Tower Construction			\$2,520,000	Jul-17	\$16,708,564		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04074	Civil Construction-Phase 2 Bronx			\$1,328,777	Jul-17	\$1,328,777		
D703QM63	Open Road Tolling Initiative at QMT	D04015	Gateway Tower -Construction			\$8,295,000	Jul-17	\$15,960,000		
D706AW22	Miscellaneous	D04098	VN89/30: Risk Assessment (PSC-16-2291G/WO#6)			\$77,692	Jul-17	\$77,692		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04026	BC Development F/A-TUN-MIT-01(TBTA-E2442)			\$76,038	Jul-17	\$76,038		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04097	Operations/ Maintenance F/A-(TBTA-E2918)			\$133,333	Jul-17	\$133,333		
ED010304	Queens Midtown Tunnel Mitigation-Perimeter Work&Flood Gates	E04113	Operations F/A-(TBTA-E2919)			\$133,333	Jul-17	\$133,333		
ED010304	Queens Midtown Tunnel Mitigation-Perimeter Work&Flood Gates	E04112	PM Construction F/A-(TBTA-E2922)			\$680,296	Jul-17	\$680,296		
ED050303	Hugh Carey Tunnel -GIVB Mitigation-Raise Seawalls	E04101	Operations F/A-(TBTA-E2920)			\$133,334	Jul-17	\$133,334		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04095	PM Construction F/A-(TBTA-E2921)			\$868,863	Jul-17	\$868,863		
ED050303	Hugh Carey Tunnel -GIVB Mitigation-Raise Seawalls	E04100	PM Construction F/A-(TBTA-E2923)			\$741,120	Jul-17	\$741,120		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D04109	ORT-CB Design-Jacobs PSC-13-2941A			\$182,603	Jul-17	\$182,603		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D04108	ORT-MP Design-Jacobs PSC-13-2941A			\$182,603	Jul-17	\$182,603		
D706AW22	Miscellaneous	D04009	QM81: Risk Assessment (PSC-16-2291G/WO#2)			\$78,738	Aug-17	\$78,738		
D706AW22	Miscellaneous	D04128	HC07,64,30/QM91: RA (PSC-16-2291G/WO#8)			\$219,358	Aug-17	\$219,358		
D505QM02	QM01 Phase 5 Rehabilitation(SBMP)	D04101	Construction Admin. Phase 5 (PSC15-2973C WO#18)			\$232,280	Sep-17	\$232,280		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04019	Gateway Tower Design and CSS (PSC14-2957)			\$73,090	Sep-17	\$73,090		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D04073	Design Phase 2 Bronx Relocation & 2 Way Manhattan			\$551,475	Sep-17	\$551,475		
D705AW66	Operations Command Center Rehab/Replacement	D04136	OCCC Workstation Computer Eq.-Compulink			\$17,470	Sep-17	\$17,470		
D701VN32	Steel Repair & Concrete Rehabilitation	D03742	PM Design F/A (TBTA-2067)			\$631,945	Oct-17	\$631,945		
D706AW22	Miscellaneous	D04139	CB18 Risk Assessment (PSC-16-2991G WO#12)			\$88,344	Oct-17	\$88,344		
ED010240	Restore Queens Mistown Tunnel-Structural	E03513	TEA Services for South Tube			\$2,310,000	Oct-17	\$2,310,000		
ED010304	QMT Mitigation- Perimeter Work & Floodgates	E04054	TEA Services for South Tube and North Tube			\$540,000	Oct-17	\$540,000		
D704AWX3	Bridge Structural Health Monitoring Initiatives	D04142	VN- Construction Weigh In Motion (WIM) System VN80B			\$1,451,259	Oct-17	\$1,451,259		
D702AWX1	Replace Manhattan Plaza Pedestrian Bridge	D04053	HC11 Construction			\$12,573,750	Oct-17	\$12,573,750		
D701VN32	Steel Repair & Concrete Rehabilitation	D03743	Design (PSC-16-2991P WO#7)			\$1,077,491	Oct-17	\$1,077,491		
D705AW66	Operations Command Center Rehab/Replacement	D04127	AW66: Telephone System (VRS)			\$10,757	Oct-17	\$10,757		
D705AW66	Operations Command Center Rehab/Replacement	D04152	Furniture Purchase-Knoll Inc.			\$140,880	Nov-17	\$140,880		
D705AW66	Operations Command Center Rehab/Replacement	D04158	Furniture Purchase for Console System -Tresco Ind.			\$187,300	Nov-17	\$187,300		

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2017 CAPITAL MILESTONE BACK-UP - PROJECT AWARDS

ACEP	Project Description	IMPACT Task	Task Description	Goal Start	Goal Value	Budget Value	Actual Start Date	Actual Value	Forecast Start	Forecast Value
				Date			Date		Date	
D601QM18	Entrance and Exit Plazas Structural Rehabilitation	D03295	Incentive for Early Completion			\$560,000	Nov-17	\$560,000		
D705AW66	Operations Command Center Rehab/Replacement	D04125	Furnish/Install-OCCC Phone Sys.(03-TD-2644)			\$157,500	Nov-17	\$157,500		
D705AW66	Operations Command Center Rehab/Replacement	D04153	Furniture Purchase - Exemplisco			\$20,010	Nov-17	\$20,010		
Grand Total					\$490,750,758	\$590,568,698	YTD Total	\$503,721,176	Remaining	\$143,143,015
									Grand Total	\$646,864,191

MTA Bridges and Tunnels: Status of 2016 Major Commitments as of November 30, 2017

Project	Budget (\$ in Millions)			Award Date			Notes
	2016 Goal	Actual / Forecast*	Budgeted Value	2016 Goal	Advertisement Date	Actual / Forecast	
D704RK21 Installation of Fire Standpipe & Upgrade of Fire Protection System	\$17.0	\$19.4	\$17.0	Dec-16	N/A	Mar-17	A

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 CAPITAL MILESTONE BACK-UP - PROJECT AWARDS

ACEP	Project Description	IMPACT Task	Task Description	Original Start Date	Goal Start	Goal Value	Budget Value	Actual Start Date	Actual Value	Forecast	Forecast Value
					Date					Start Date	Value
D701HH89	Skewback Retrofit	D03522	Constr. Quality Oversight PSC-15-2973 wo4	Dec-16	Jan-17	\$2,328,548	\$2,328,548	Jan-17	\$2,328,548		
D703HH88	Reconstruction of Toll Plazas and Southbound Approach	D03793	Construction Adm.(PSC-16-2986)	Nov-16	Jan-17	\$7,095,465	\$6,000,000	Mar-17	\$7,095,465		
D704HH13	Replacement of Facility Lighting System	D03780	Construction Adm.(PSC-16-2986)	Nov-16	Jan-17	\$463,664	\$800,000	Mar-17	\$463,664		
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System	D03396	Constr. QC and Admin. (PSC-15-2973)	Nov-16	Jan-17	\$981,678	\$981,678	Jan-17	\$981,678		
					Jan-17 Total	\$10,869,355	\$10,110,226				
D701BW07	Fender Protection around Tower Piers (Const)	D03808	10% Design & D/B RFP Development	Jun-16	Feb-17	\$1,500,000	\$1,500,000	May-17	\$73,270		
D704BW32	Installation of Fire Standpipe Connections	D03545	10% Design & RFP Dev.	Jun-16	Feb-17	\$200,000	\$200,000	May-17	\$210,000		
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System	D03397	Design/Build	Dec-16	Feb-17	\$17,043,254	\$17,043,254	Mar-17	\$19,425,000		
					Feb-17 Total	\$18,743,254	\$18,743,254				
D701CB18	CB Scour Protect/Repair/Rpl CB/MP Pier Fender Sys	D03569	PM Design F/A & D/B RFP Dev.	Jul-16	Mar-17	\$609,901	\$609,901	Jul-17	\$609,901		
D704BW39	Install Electronic Monitoring & Detection Systems	D03558	PM Const.F/A	Aug-16	Mar-17	\$1,000,000	\$1,000,000	May-17	\$250,000		
D704RK60	Install Facility-wide Electronic Monitoring & Detection Systems	D03647	PM Construction F/A	Aug-16	Mar-17	\$1,000,000	\$1,000,000	May-17	\$250,000		
D701RK20	Main Bridge Cable Inspection and Rehabilitation	D03607	PM Design F/A	Sep-16	Mar-17	\$865,929	\$865,929	Mar-17	\$750,243		
					Mar-17 Total	\$3,475,830	\$3,475,830				
D704HC30	Install Smoke Detection/Alarm Systems-HCT Vent & Svc. Bldgs.	D03705	PM Design F/A & D/B RFP Dev.	Sep-16	Apr-17	\$200,000	\$200,000	Aug-17	\$210,881		
D704HC64	Brooklyn Service Building Electrical Rehab.	D03735	PM Design F/A & D/B RFP Dev.	Sep-16	Apr-17	\$224,973	\$224,973	Jul-17	\$224,973		
D704QM91	Install Smoke Detection/Alarm Systems-QMT Vent & Svc. Bldgs.	D03571	PM Design F/A & D/B RFP Dev.	Sep-16	Apr-17	\$200,000	\$200,000	Aug-17	\$251,492		
D707VN49	Painting of Suspended Span Upper & Lower Level Steel & Truss	D03827	In-House Design F/A	Oct-16	Apr-17	\$285,000	\$285,000	Oct-17	\$247,073		
					Apr-17 Total	\$909,973	\$909,973				
D603AW35	Replacement of Weather Information Systems	D02480	3rd Pty-Furnish/install		Jun-17	\$1,871,967	\$1,871,967			Dec-17	\$1,871,967
D603AW35	Replacement of Weather Information Systems	D03326	Capital Materials Purchase		Jun-17	\$25,000	\$25,000			Dec-17	\$25,000
					Jun-17 Total	\$1,896,967	\$1,896,967				
D705RK58	Rehabilitation of the Robert Moses Bldg and Ancillary Facilities	D03639	PM Design F/A		Sep-17	\$800,000	\$800,000			Dec-17	\$800,000
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System	D03398	Operations F/A		Sep-17	\$243,331	\$243,331			Dec-17	\$243,331
					Sep-17 Total	\$1,043,331	\$1,043,331				
					Grand Total	\$36,938,710	\$36,179,581				
					Grand Total	\$36,938,710	\$36,179,581	YTD Total	\$33,372,188	Remaining	\$2,940,298
										Grand Total	\$36,312,486

**MTA BRIDGES & TUNNELS
 CAPITAL PROGRAM
 2016 PROJECT COMPLETIONS**

Project ID (ACEP)	Project Description	Type	Original Goal End Date	Goal End Date	Goal Value	Budgeted Value	Actual End Date	Actual Value	Forecast End Date	Forecast Value
D603AW48	2nd Generation E-Zpass In-Lane	Study	Aug-16	Mar-17	\$3,533,142	\$3,533,142			Sep-18	\$3,533,142
				Mar-17 Total	\$3,533,142	\$3,533,142				
				Grand Total	\$3,533,142	\$3,533,142				\$3,533,142

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



Bridges and Tunnels

Procurements December 2017



Staff Summary

Subject: Request for Authorization to Award Various Procurements
Department: Procurement
Department Head Name M. Margaret Terry <i>mmt</i>
Department Head Signature
Project Manager Name Various

Date 12/01/2017
Vendor Name
Contract Number
Contract Manager Name
Table of Contents Ref #

Board Action					
Order	To	Date	Approval	Info	Other
1	President	12/01/2017			
2	MTA B&T Committee	12/08/2017			
3	MTA Board	12/13/2017			

Internal Approvals			
Order	Approval	Order	Approval
	President <i>[Signature]</i>		VP Operations
	Executive Vice President <i>[Signature]</i>		VP & Chief Engineer
	SVP & General Counsel <i>mmt</i>		VP & Chief Procurement Officer <i>BB</i>
	VP & Chief Financial Officer		

Internal Approvals (cont.)							
Order	Approval	Order	Approval	Order	Approval	Order	Approval
	Chief Financial Officer <i>[Signature]</i>		Chief Technology Officer		Chief Health & Safety Officer		Chief EEO Officer
	Chief Security Officer		Chief Maintenance Officer		MTA Office of Civil Rights		

PURPOSE:

To obtain approval of the Board to award various contracts and purchase orders, and to inform the MTA B&T Committee of these procurement actions.

DISCUSSION:

MTA B&T proposes to award Non-Competitive procurements in the following categories: None

MTA B&T proposes to award Competitive procurements in the following categories:

<u>Schedules Requiring Majority Vote:</u>	<u># of Actions</u>	<u>\$ Amount</u>
Schedule C: Competitive Requests for Proposals (Award of Purchase and Public Work Contracts)	2	\$89.048M
Schedule I: Modifications to Purchase & Public Works Contracts	1	\$ 6.031M
SUBTOTAL	3	\$95.080M

MTA B&T presents the following procurement actions for Ratification: None

TOTAL	3	\$95.080M
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BUDGET IMPACT:

The purchases/contracts will result in obligating MTA B&T and Capital funds in the amount listed. Funds are available in the current MTA B&T operating/capital budgets for this purpose.

RECOMMENDATION:

That the purchases/contracts be approved as proposed. (Items are included in the resolution of approval at the beginning of the Procurement Section.)

The legal name of MTA Bridges and Tunnels is Triborough Bridge and Tunnel Authority.

MTA BRIDGES & TUNNELS
TRIBOROUGH BRIDGE AND TUNNEL AUTHORITY

WHEREAS, in accordance with §559 and §2879 of the Public Authorities Law and the All Agency Procurement Guidelines, the Board authorizes the award of certain non-competitive purchase and public work contracts, and the solicitation and award of request for proposals in regard to purchase and public work contracts; and

WHEREAS, in accordance with §2879 of the Public Authorities Law and the All Agency Procurement Guidelines, the Board authorizes the award of certain non-competitive miscellaneous procurement contracts, and certain changes orders to procurement, public work, and miscellaneous procurement contracts; and

WHEREAS, in accordance with § 2879 of the Public Authorities Law and the All Agency Guidelines for Procurement of Services, the Board authorizes the award of certain service contracts, and certain change orders to service contracts; and

NOW, the Board resolves as follows:

1. As to each purchase and public work contract set forth in annexed Schedule A, the Board declares competitive bidding to be impractical or inappropriate for the reasons specified therein and authorizes the execution of each such contract.
2. As to each request for proposals (for purchase and public work contracts) set forth in Schedule B for which authorization to solicit proposals is requested, for the reasons specified therein, the Board declares competitive bidding to be impractical or inappropriate, declares it is in the public interest to solicit competitive request for proposals and authorizes the solicitation of such proposals.
3. As to each request for proposals (for purchase and public work contracts) set forth in Schedule C for which a recommendation is made to award the contract, the Board authorizes the execution of said contract.
4. The Board ratifies each action set forth in Schedule D for which ratification is requested.
5. The Board authorizes the execution of each of the following for which Board authorization is required: i) the miscellaneous procurement contracts set forth in Schedule E; ii) the personal service contracts set forth in Schedule F; iii) the miscellaneous service contracts set forth in Schedule G; iv) the modifications to personal/miscellaneous service contracts set forth in Schedule H; the contract modifications to purchase and public work contracts set forth in Schedule I; and vi) the modifications to miscellaneous procurement contracts set forth in Schedule J.
6. The Board ratifies each action taken set forth in Schedule K for which ratification is requested.
7. The Board authorizes the budget adjustments to estimated contracts set forth in Schedule L.

LIST OF COMPETITIVE PROCUREMENTS FOR BOARD APPROVAL
DECEMBER 2017

MTA BRIDGES & TUNNELS

Procurements Requiring Two-Thirds Vote:

C: Competitive Requests for Proposals (Award of Purchase and Public Work Contracts)
(Staff Summaries required for items requiring Board approval)

- | | | |
|---|------------------------|--------------------------------------|
| 1. Hellman Electric Corp.
Contract No. BW-39/RK-60 | \$71,797,700.00 | <u>Staff Summary Attached</u> |
|---|------------------------|--------------------------------------|

3 yr. Contract- Competitive RFP

B&T 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 Installation of Facility Wide Monitoring and Detection Systems at the Bronx-Whitestone Bridge and Robert F. Kennedy Bridge facilities.

- | | | |
|--|-------------------------|--------------------------------------|
| 2. American Bridge Company
Contract No. VN-34 | \$17,250,000.000 | <u>Staff Summary Attached</u> |
|--|-------------------------|--------------------------------------|

2 yr. Contract- Competitive RFP

B&T 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 Main Cable and Suspender Rope Inspection & Testing at the Verrazano-Narrows Bridge.

Procurements Requiring Majority Vote:

I: Modifications to Purchase & Public Works Contracts

(Approvals/Staff Summaries required for individual change orders greater than \$750K. Approvals without Staff Summaries required for change orders greater than 15% of previous approved amount which are also at least \$250K)

- | | | |
|---|-----------------------|--------------------------------------|
| 3. Kiska Construction, Inc.
Contract No. MP-03/MP-16 | \$6,031,460.00 | <u>Staff Summary Attached</u> |
|---|-----------------------|--------------------------------------|

3 yr. Contract- Competitive Bid

B&T is seeking Board approval under the All Agency General Contract Procurement Guidelines to amend public work Contract MP-03/MP-16 for the following: (i) removal and replacement of the riser cables, conduits, rehabilitation of the motor control centers (MCC) and other electrical rehabilitations at the north and south towers of Marine Parkway-Gil Hodges Memorial Bridge (MPB) and (ii) increase the unit price quantities for five (5) unit price items.

Staff Summary

Item Number 1 (Final)					
Dept. & Dept. Head Name: Engineering and Construction, Joe Keane, P.E., V.P. <i>Joe Keane</i>					
Division & Division Head Name: Engineering and Construction, Aris Stathopoulos, P.E. <i>Aris Stathopoulos</i>					
Board Reviews					
Order	To	Date	Approval	Info	Other
1	President	11/27/17			
2	MTA B&T Committee	12/11/17			
3	MTA Board	12/13/17			
Internal Approvals					
Order	Approval	Order	Approval		
1	Chief Financial Officer <i>[Signature]</i>	4	Executive Vice President <i>[Signature]</i>		
2	General Counsel <i>[Signature]</i>	5	President <i>[Signature]</i>		
3	Chief Procurement Officer <i>[Signature]</i>				

SUMMARY INFORMATION	
Vendor Name Hellman Electric Corp.	Contract Number BW-39/RK-60
Description: Design-Build Services for the Installation of Facility Wide Monitoring and Detection Systems at the Bronx-Whitestone Bridge and Robert F. Kennedy Bridge Facilities	
Total Amount Hellman Award - \$71,797,700.00 Stipends - \$480,000	
Contract Term (including Options, if any) 36 Months	
Option(s) included in Total Amount? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Renewal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Procurement Type <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Non-competitive	
Solicitation Type <input checked="" type="checkbox"/> RFP <input type="checkbox"/> Bid <input type="checkbox"/> Other:	
Funding Source <input type="checkbox"/> Operating <input checked="" type="checkbox"/> Capital <input type="checkbox"/> Federal <input type="checkbox"/> Other:	

Narrative

I. PURPOSE/RECOMMENDATION

B&T 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 Installation of Facility Wide Monitoring and Detection Systems at the Bronx-Whitestone Bridge and Robert F. Kennedy Bridge facilities for a period of 36 Months at a cost of \$71,797,700. In accordance with the MTA Design-Build Best Practice Guidance, and in order to enhance competition and defray proposal costs, this solicitation included stipends to be paid to each unsuccessful proposer in the amount of \$160,000 whose proposal met a defined standard. Accordingly, approval is also requested to pay stipends totaling \$480,000.

II. DISCUSSION

In July 2016, the Board authorized B&T to enter into a competitive Request for Proposal (RFP) process for design-build services for the installation of facility wide monitoring and detection systems at the Bronx-Whitestone Bridge and Robert F. Kennedy Bridge facilities. The work requires the design, construction and construction quality control services to install security equipment, fire/smoke detection and alarm systems at anchorages, towers, perimeter doors/hatches, undersides, fenders, tower pedestals and electrical substations along with other critical infrastructure locations at the Bronx-Whitestone Bridge and Robert F. Kennedy Bridge facilities.

(rev. 4/07/10)

Staff Summary

The service requirements were publicly advertised; seven firms submitted qualification information and based on a review of their qualifications, four firms were deemed qualified to receive the RFP. All four firms submitted proposals: Hellman Electric Corp. (Hellman) [\$73,795,200], Mass Electric Construction Company (Mass Electric) [\$65,198,000], E-J Electric Installation Co. (E-J Electric) [\$76,805,700] and Parsons Transportation Group of New York, Inc. (Parsons) [\$79,663,021.36].

The proposals were evaluated against established criteria set forth in the RFP, including design-build technical approach, key personnel and management approach, oral presentations and proposed price. The Selection Committee unanimously recommended Hellman, the highest rated firm based on several factors. Hellman's technical proposal was considered the most thorough in determining the methodologies and choices for the digital video management system (DVMS), intelligent video analytics system (IVAS), and network systems. Hellman demonstrated the best understanding of B&T's security concepts and incorporated a lessons learned component into their approach from a recently completed similar project for B&T. Also, they presented a thorough and innovative approach, demonstrated a strong understanding of the specification requirements and proposed a realistic schedule to work concurrently at both bridges to complete the Project on time. Hellman proposed a highly qualified team with extensive experience working together on similar work.

Hellman's price proposal was the second lowest. They demonstrated prior experience and a sound understanding for the anticipated successful completion of the Project as compared to the other competing firms. Mass Electric's technical proposal did not include sufficient details for critical project components and their proposed team did not demonstrate the same level of experience as compared to Hellman. The Parsons and E-J Electric technical proposals did not exhibit the same level of technical detail and submitted higher priced proposals as compared to Hellman. Accordingly, Hellman's proposal is the best overall value and is deemed most advantageous to B&T as compared to the other proposers.

Hellman submitted a proposal of \$73,795,200. Negotiations were conducted and the parties agreed to \$71,797,700 which is 3% above the Engineer's estimate of \$69,701,796 and is considered fair and reasonable. Hellman has been determined to be a responsible design-build contractor.

III. D/M/WBE INFORMATION

MTA Department of Diversity and Civil Rights have assigned goals of 15% MBE and 15% WBE to this contract. Award will not be made until the Department of Diversity and Civil Rights' approval is obtained. Hellman has achieved its previous MWDBE goals on previous MTA contracts.

IV. IMPACT ON FUNDING

Funding is available in the 2015–2019 Capital Program under Projects BW-39/D03566 (\$28,481,500) and RK-60/D03650 (\$43,316,200). Funding for stipends available under D706AW22.

V. ALTERNATIVES

There are no recommended alternatives. The Authority does not possess the resources required to perform these services.

Staff Summary

Item Number 2 (Final)					
Dept & Dept Head Name: Aris Stathopoulos, P.E. <i>Aris Stathopoulos</i>					
Division & Division Head Name: Joe Keane, P.E., V.P. <i>Joe Keane</i>					
Board Reviews					
Order	To	Date	Approval	Info	Other
1	President	11/27/17			
2	MTA B&T Committee	12/11/17			
3	MTA Board	12/13/17			
Internal Approvals					
Order	Approval	Order	Approval		
1	Chief Financial Officer <i>AR</i>	4	Executive Vice President <i>AR</i>		
2	General Counsel <i>MMT</i>	5	President <i>JK</i>		
3	Chief Procurement Officer <i>MMT for B&T</i>				

SUMMARY INFORMATION	
Vendor Name American Bridge Company	Contract Number VN-34
Description Design-Build Services for Main Cable and Suspender Rope Inspection & Testing at the Verrazano-Narrows Bridge	
Total Amount \$17,250,000	
Contract Term (including Options, if any) Twenty-four (24) Months	
Option(s) included in Total Amount? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Renewal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Procurement Type <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Non-competitive	
Solicitation Type <input checked="" type="checkbox"/> RFP <input type="checkbox"/> Bid <input type="checkbox"/> Other:	
Funding Source <input type="checkbox"/> Operating <input checked="" type="checkbox"/> Capital <input type="checkbox"/> Federal <input type="checkbox"/> Other:	

Narrative

I. PURPOSE/RECOMMENDATION

B&T 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 Main Cable and Suspender Rope Inspection & Testing at the Verrazano-Narrows Bridge to American Bridge Company (ABC) for a period of twenty-four (24) months at a price of \$17,250,000.

II. DISCUSSION

In July 2016, the Board authorized B&T to enter into a competitive Request for Proposal (RFP) process for design-build services for Main Cable and Suspender Rope Inspection & Testing at the Verrazano-Narrows Bridge (VNB). The Work requires design, construction, construction inspection, non-destructive testing (NDT), and materials testing of the main cables and suspender ropes at the VNB to determine main cable and suspender rope factors of safety and rate of deterioration. Also, provide long term recommendations for future maintenance and monitoring of the main cables and suspender ropes.

The service requirements were publicly advertised, four firms submitted qualification information and based on a review of their qualifications, all four firms were deemed qualified to receive the RFP. All four firms submitted proposals. The design-build proposers are: ABC; Halmar International, LLC; Kiewit Infrastructure Co.; and Tutor Perini Corporation / IHI Inc., a Joint Venture. The proposals were evaluated against established criteria set forth in the RFP, including proposed

Staff Summary

price, schedule, design-build technical approach, management approach and organizational structure. Evaluations were based on the selection criteria and oral presentations. The committee recommended ABC as the highest rated firm. The committee's basis for the selection included: (i) proposed technical design for retrofitting suspender rope socket bearing areas, which will benefit the Authority with a better and more structurally sound design, thereby mitigating future maintenance cleaning and costs; (ii) ABC's designer, Thornton Tomasetti has extensive experience in similar cable inspection and suspender ropes removal projects; (iii) ABC offered the most aggressive schedule, committing to achieve substantial completion within the first year; and (iv) the Committee's consensus is that ABC's proposal is the best overall value and is deemed most advantageous to B&T as compared to the other proposers.

ABC submitted the lowest proposal in the amount of \$17,250,000. The Engineer's estimate is \$18,346,797. The other proposed prices are as follows: Kiewit Infrastructure Co. (\$28,929,000); Tutor Perini Corporation / IHI Inc., a Joint Venture (\$29,200,000); and Halmar International LLC (\$43,550,000). During negotiations, B&T and ABC reviewed the proposal and clarified the scope. These discussions resulted in B&T accepting ABC's proposal in the amount totaling \$17,250,000, which is approximately 6% lower than the estimate and is considered fair and reasonable.

III. D/M/WBE INFORMATION

The MTA DDCR has established goals of 0% MBE and 0% WBE for the Contract.

IV. IMPACT ON FUNDING

Funding is available in the 2015-2019 Capital Program under Project D701/VN34, Task D03759.

V. ALTERNATIVES

There are no recommended alternatives. B&T does not possess the resources required to perform these services.

Schedule I: Modifications to Purchase and Public Works Contracts

Item Number: 3 (Final)

Vendor Name (& Location) Kiska Construction, Inc., Long Island City, New York	Contract Number MP-03/MP-16	AWO/Modification #
Description Electrical and Mechanical Rehabilitation, Friction Mitigation, Miscellaneous Steel Repairs, Painting and Fire Standpipe Installation at the Marine Parkway-Gil Hodges Memorial Bridge	Original Amount:	\$98,500,000.00
Contract Term (including Options, if any) December 11, 2015 – December 10, 2018	Prior Modifications:	\$24,191,873.38
Option(s) included in Total Amount? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Prior Budgetary Increases:	\$0.00
Procurement Type <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Non-competitive	Current Amount:	\$122,691,873.38
Solicitation Type <input type="checkbox"/> RFP <input checked="" type="checkbox"/> Bid <input type="checkbox"/> Other:	This Request:	\$6,031,460.00
Funding Source <input type="checkbox"/> Operating <input checked="" type="checkbox"/> Capital <input type="checkbox"/> Federal <input type="checkbox"/> Other:	% of This Request to Current Amount:	4.9%
Requesting Dept/Div & Dept/Div Head Name: Engineering & Construction, Joe Keane, P.E.	% of Modifications (including This Request) to Original Amount:	30.7%

Discussion:

B&T is seeking Board approval under the All Agency General Contract Procurement Guidelines to amend public work Contract MP-03/MP-16 with Kiska Construction, Inc. (Kiska) for the following: (i) removal and replacement of the riser cables, conduits, rehabilitation of the motor control centers (MCC) and other electrical rehabilitations at the north and south towers of Marine Parkway-Gil Hodges Memorial Bridge (MPB) and (ii) increase the unit price quantities for five (5) unit price items. The amendment is in the negotiated amount totaling \$6,031,460, which includes verbal authorization to proceed in an amount not to exceed \$1,000,000 to commence procurement of long lead items and the riser cable replacement work.

The Contract was awarded to Kiska in December 2015 in the amount of \$98,500,000 subsequent to competitive bidding with a duration of three (3) years. The Scope of Work requires the following: replacement of lift span motors and drives, PLCs, droop cables and barrier gates; other lift span electrical upgrades; mechanical replacements and upgrades for the machinery room; installation of new auxiliary counterweight ropes; installation of new fire line system and hydrants; architectural upgrades and repairs; various structural steel and grid deck repairs; furnish and install structural health monitoring system; rope socket enhancements; abatement of asbestos and lead containing materials; painting; and maintenance and protection of traffic. To date, eight (8) amendments totaling \$24,191,873.38 have been issued, inclusive of \$22,217,719.67 for ORT and related initiatives at the MPB and Cross Bay Bridge facilities.

- (i) The riser cable system for the north and south towers of the MPB is deteriorated and the riser cable conduits are no longer water tight. As the MPB is a vertical lift bridge, this condition could potentially result in loss of power and communications to the bridge's most critical safety and mechanical systems that are necessary to operate the bridge. This concealed condition was not apparent during the design and could only be discovered during the course of connecting the new droop cables to the riser cable system. These riser cables feed electrical power and communication from the control desk for: lighting; safety barriers and gates; lane use signals; and other safety and security systems necessary for operating the lift span safely. The work includes but is not limited to: providing temporary connections to ensure the bridge electrical systems remain operational during riser cable replacement; removal and replacement of conduits and cable in north and south towers of the MPB; rehabilitation of the MCCs and other electrical rehabilitations.

Kiska submitted proposals totaling \$5,404,647.42. The Engineer's estimates total \$2,889,054.62. Negotiations resulted in Kiska and B&T agreeing to the negotiated lump sum amount totaling \$3,780,000. During negotiations it was determined that the estimate did not adequately account for the following: temporary electrical connections for existing systems; and labor production required to perform the riser cable replacement in winter weather conditions. The negotiated amount is considered fair and reasonable. B&T deems it prudent to include an allowance in the amount of \$200,000 to address unforeseen conditions that may arise during the riser cable replacement work.

- (ii) Four (4) unit price item quantities are anticipated to overrun. These structural steel rehabilitation related item quantity increases are primarily due to additional steel repairs being identified after sand blast cleaning of the structural steel prior to painting. B&T deems it prudent to increase these item quantities at the contract unit price. The items are as follows: 586.05-Removal of Rivets-Replacement with High Strength Bolts; 586.10-Field Drill Holes in Existing Structural Steel; 589.01-Removal of Existing Steel; and 801.564.01-Structural Steel. These unit price item increases total \$2,051,460, which is considered fair and reasonable given that the pricing is in accordance the contract unit price for these items.

Funding in the amount of \$6,031,460 is available in the 2015-2019 Capital Program under Project MP03, Task D03310 in the amount of \$3,633,000, Project MP16, Task D03315 in the amount of \$2,051,460 and the 2017 Major Maintenance Budget under Project MPM-344 in the amount of \$347,000.



Bridges and Tunnels

Diversity Report Third Quarter 2017



Metropolitan Transportation Authority

MTA BRIDGES AND TUNNELS

December 11, 2017



EEO 3rd Quarter 2017 Executive Summary

- ❑ MTA Bridges and Tunnels' (B&T's) overall workforce is currently comprised of **1,441** employees; of which **327 (23%)** are Females,* **793 (55%)** are Minorities and **86 (6%)** are Veterans.*
- ❑ The percentage of Females in the workforce **remained constant** as compared to the representation of Females in the 3rd quarter 2016.
- ❑ The overall composition of B&T's workforce **remained constant** as it relates to Race and Ethnicity as compared to 3rd quarter 2016.
- ❑ The percentage of Veterans employed has **remained constant** compared to the 3rd quarter of 2016.
- ❑ B&T hired **161** employees, of which **81 (50%)** were Females*, **118 (73%)** were Minorities; and **3 (2%)** were Veterans.
- ❑ B&T handled a total of **15** EEO complaints; of which **8** were internal and **7** were external.
- ❑ B&T handled a total of **0** Title VI complaints.

*Includes minorities, non-Minorities, and Veterans

The chart on the next page is a snapshot of the workforce by EEO categories.



EEO 3rd Quarter 2017 Executive Summary

The table below is a snapshot as of September 30, 2017 of B&T's numbers of employees, percentage of Race/Ethnicity, Gender and Veterans.

JOB CATEGORY	TOTAL ¹	FEMALES ²		Non-Minorities		Minorities		BLACKS		HISPANICS		ASIANS		AI/AN		NHOPI		2+ Races		VETERANS	
		#	%	#	%	#	%	#	#	#	%	#	%	#	%	#	%	#	%	#	%
Officials & Administrators	242	69	29%	127	52%	115	48%	51	21%	20	8%	31	13%	1	0%	0	0%	12	5%	7	3%
Professionals	216	94	44%	88	41%	128	59%	42	20%	39	18%	30	14%	0	0%	1	1%	16	8%	11	5%
Technicians	119	23	19%	59	50%	60	50%	20	17%	32	27%	6	5%	0	0%	0	0%	2	2%	10	8%
Protective Services	469	97	21%	171	36%	298	64%	156	33%	110	24%	18	4%	1	0%	0	0%	13	3%	44	9%
Paraprofessionals	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Administrative Support	46	33	72%	5	11%	41	89%	30	65%	7	15%	4	9%	0	0%	0	0%	0	0%	0	0%
Skilled Craft	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Service Maintenance	349	11	3%	198	57%	151	43%	72	21%	51	15%	11	3%	3	1%	0	0%	14	4%	14	4%
Total	1441	327	23%	648	45%	793	55%	371	26%	259	18%	100	7%	5	0%	1	0%	57	4%	86	6%

1. Total includes males and females (in each of the protected racial/ethnic groups as well as including non-minorities).
2. Total includes females in each of the protected racial/ethnic groups as well as including non-minorities.

Note: All percentages have been rounded up to the nearest whole number.



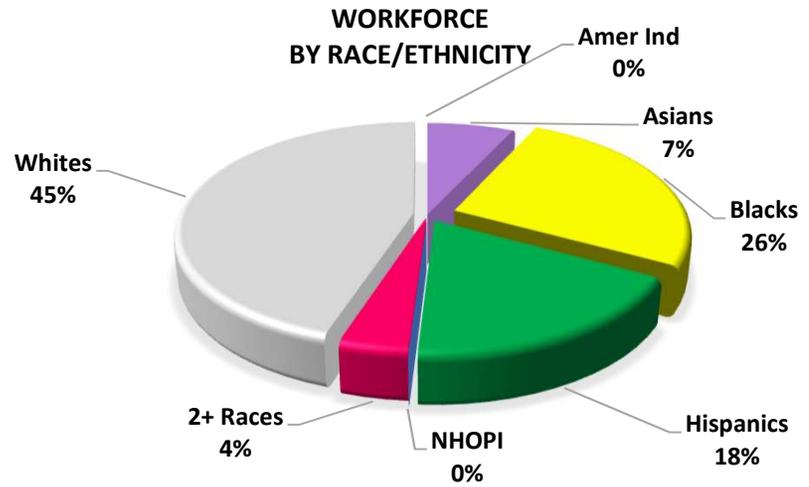
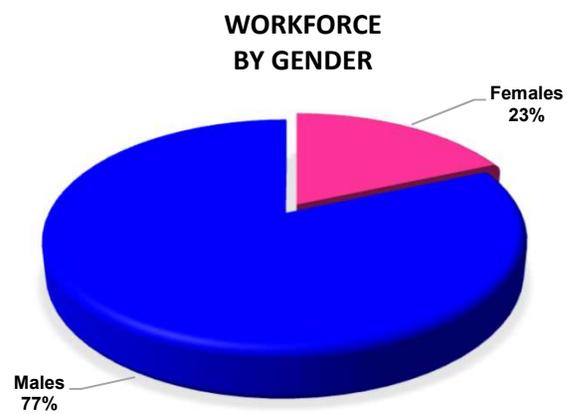
MTA BRIDGES AND TUNNELS

Workforce

As of September 30, 2017



MTA Bridges and Tunnels Workforce as of September 30, 2017



MTA Bridges and Tunnels workforce consist of **1,441** employees.

- ❑ **23%** Females, **55%** Minorities, and **6%** Veterans.
- ❑ The percentage of Females employed **decreased by 2%** since the prior quarter.
- ❑ The percentage of Minorities **decreased by 2%** as it relates to Race and Ethnicity since the prior quarter.



Definitions of EEO Job Categories

Officials & Administrators

Occupations in which employees set broad policies, exercise overall responsibility for execution of these policies, or direct individual departments or special phases of the agency's operations, or provide specialized consultation on a regional, district or area basis.

Professionals

Occupations which require specialized and theoretical knowledge which is usually acquired through college training or through work experience and other training which provides comparable knowledge.

Technicians

Occupations which require a combination of basic scientific or technical knowledge and manual skill which can be obtained through specialized post-secondary school education or through equivalent on-the-job training.

Protective Services

Occupations in which workers are entrusted with public safety, security and protection from destructive forces.

Paraprofessionals

Occupations in which workers perform some of the duties of a professional or technician in a supportive role, which usually require less formal training and/or experience normally required for professional or technical status.

Administrative Support

Occupations in which workers are responsible for internal and external communication, recording and retrieval of data and/or information and other paperwork required in an office.

Skilled Craft

Occupations in which workers perform jobs which require special manual skill and a thorough and comprehensive knowledge of the process involved in the work which is acquired through on-the-job training and experience or through apprenticeship or other formal training programs.

Service Maintenance

Occupations in which workers perform duties which result in or contribute to the comfort, convenience, hygiene or safety of the general public or which contribute to the upkeep and care of buildings, facilities or grounds of public property.



MTA Bridges and Tunnels Underutilization Analysis

B&T conducted an availability analysis of females and minorities in its workforce. The availability analysis compares B&T's September 30, 2017, workforce percentages for females and minorities to 80 percent of the females and minorities available within the relevant labor market based on the U.S. Census.

JOB CATEGORY	FEMALES		BLACKS		HISPANICS		ASIANS		AI/AN		NHOPI		2+ Races	
	Est Avail	Actual %	Est Avail	Actual %	Est Avail	Actual %	Est Avail	Actual %	Est Avail	Actual %	Est Avail	Actual %	Est Avail	Actual %
Officials & Administrators	25%	29%	8%	21%	6%	8%	6%	13%	0%	0%	0%	0%	1%	5%
Professionals	39%	44%	14%	20%	10%	18%	12%	14%	0%	0%	0%	1%	2%	8%
Technicians	15%	19%	14%	17%	11%	27%	4%	5%	0%	0%	0%	0%	2%	2%
Protective Services	26%	21%	19%	33%	13%	24%	4%	4%	0%	0%	0%	0%	1%	3%
Paraprofessionals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Administrative Support	63%	72%	16%	65%	8%	15%	6%	9%	0%	0%	0%	0%	0%	0%
Skilled Craft	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Service Maintenance	25%	3%	14%	21%	9%	15%	5%	3%	0%	1%	0%	0%	1%	4%

Note: The shaded areas represent underutilization.



MTA BRIDGES AND TUNNELS

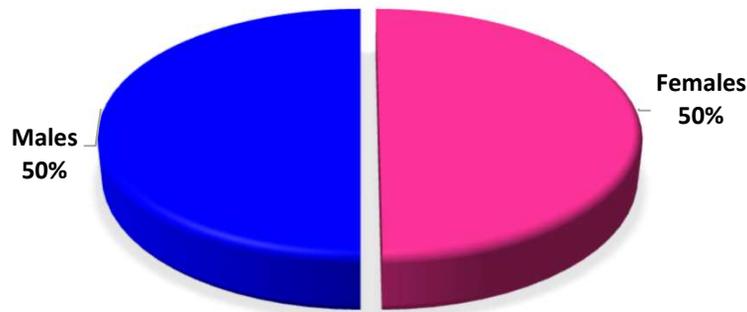
New Hires and Veterans

December 11, 2017

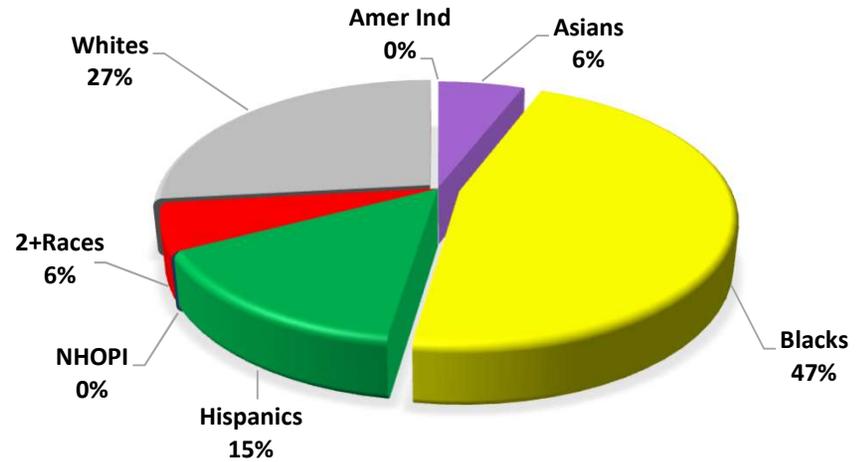


MTA Bridges and Tunnels New Hires and Veterans By Gender and Race/Ethnicity January 1, 2017 to September 30, 2017

**NEW HIRES
BY GENDER**



**NEW HIRES
BY RACE/ETHNICITY**



MTA Bridges and Tunnels hired **161** Employees, including **3** Veterans.

- ❑ **50%** Females of which **33%** were Female Veterans.
- ❑ **73%** Minorities in which **33%** were Minority Veterans.
- ❑ Approximately **2%** Veterans overall were hired.



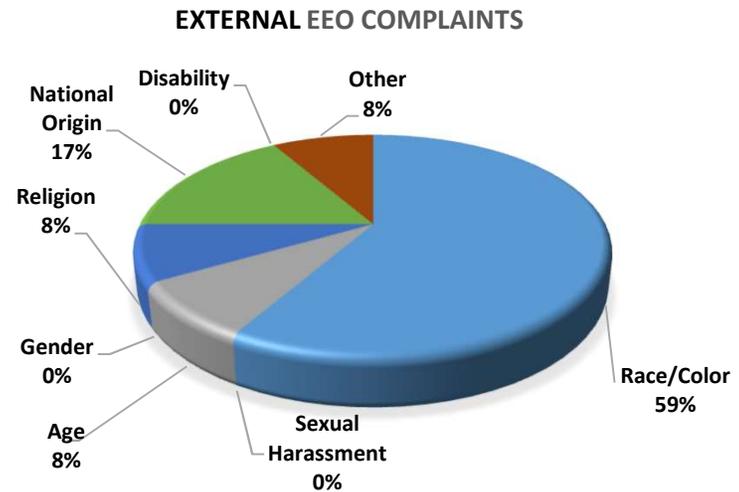
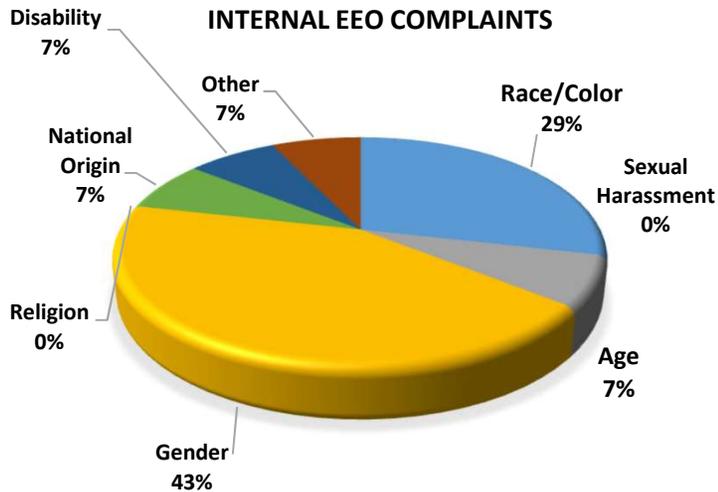
MTA BRIDGES AND TUNNELS

Complaints and Lawsuits

December 11, 2017



MTA Bridges and Tunnels Internal/External EEO Complaints and Lawsuits January 1, 2017 to September 30, 2017



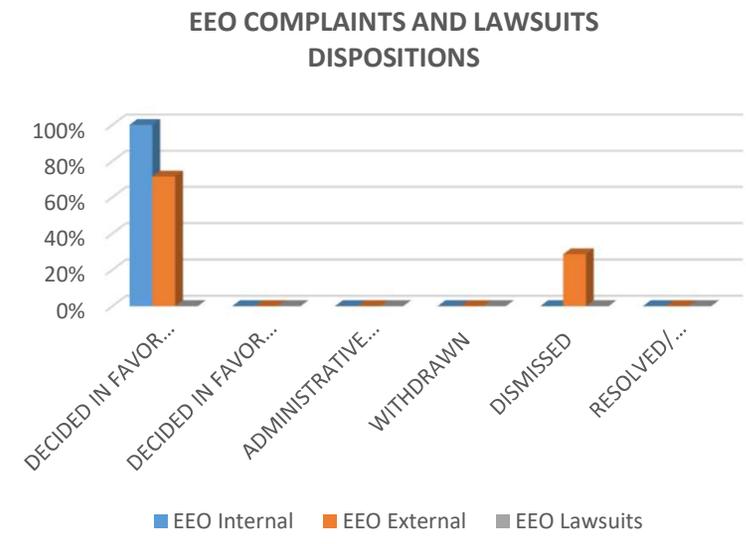
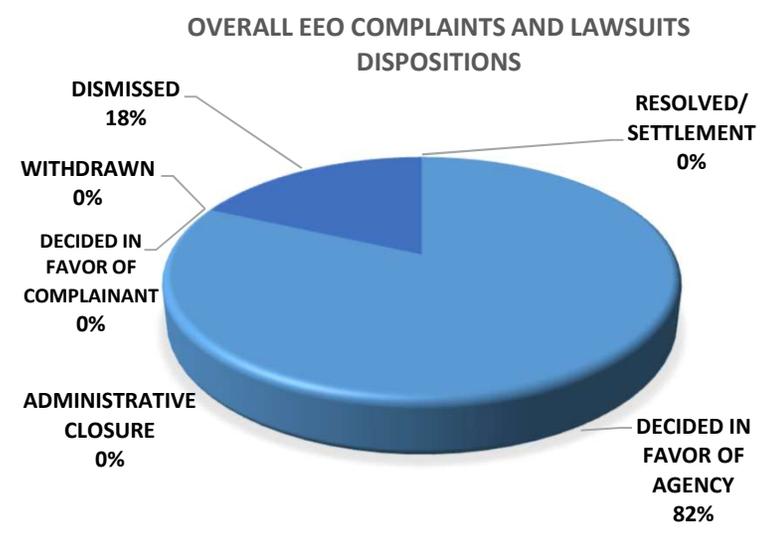
B&T handled **15** EEO complaints, citing **26** separate allegations, and **0** Lawsuits.

- **8** filed Internal complaints.
- **7** filed External complaints.
- The most frequently cited bases Internally was Gender and Externally was Race/Color.

These charts includes all pending matters as of the date of the report; including matters filed prior to the reporting period. **"Other"** contains all EEO categories not otherwise specially mentioned on the chart (i.e. Retaliation, Sexual Orientation, Military status, or Marital Status etc).



MTA Bridges and Tunnels EEO Complaints and Lawsuits Dispositions January 1, 2017 to September 30, 2017



B&T disposed **11** EEO complaints and **0** EEO Lawsuits.

- ❑ **82%** complaints/lawsuits decided in Favor of the Agency.
- ❑ **0%** complaints/lawsuits decided in Favor of the Complainant.
- ❑ **0%** complaints/lawsuits were Administrative Closures.
- ❑ **0%** complaints/lawsuits were Resolved/Settlement.



MTA Bridges and Tunnels
Title VI Discrimination Complaints and Dispositions
January 1, 2017 to September 30, 2017

**There are no B&T Title VI Discrimination
Complaints, Lawsuits, or Dispositions for Reporting Period
(January 1 – September 30, 2017)**

