



Metropolitan Transportation Authority

Bridges and Tunnels Committee Meeting

January 2017

Committee Members

C. Moerdler, Chair

M. Pally

J. Samuelsen

P. Trottenberg

V. Vanterpool

P. Ward

N. Zuckerman

Bridges & Tunnels Committee Meeting

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

**Monday, 1/23/2017
12:00 - 12:30 PM ET**

1. Public Comments Period

2. Approval of Minutes - December 2016

BT Committee Minutes - December 2016 - Page 3

3. Approval of Committee Work Plan

BT Committee Work Plan - Page 10

4. Report on Operations - November 2016

BT Report on Operations - November 2016 - Page 17

5. Safety Report - November 2016

BT Safety Report - November 2016 - Page 30

6. E-ZPass Performance Report - November 2016

BT E-ZPass Performance Report - November 2016 - Page 32

7. Financial Report - November 2016

BT Financial Report - November 2016 - Page 38

8. Capital Program Project Status Report - December 2016

BT Capital Program Project Status Report - Page 54

9. Toll Violation Enforcement (Action Item)

BT Toll Violation Enforcement - Action Item - Page 72

10. Procurements

BT Procurements - Page 80

BT Competitive - January 2017

BT Competitive - Page 83

BT Ratification - January 2017

BT Ratification - Page 92

Next Meeting: Tuesday, February 21, 2017 at 11:30 a.m.



Bridges and Tunnels

Minutes of Committee Meeting December 2016

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

December 12, 2016

11:30 a.m.

In attendance were the Honorable:

Charles G. Moerdler, Chairman
Mitchell H. Pally
Veronica Vanterpool
Peter Ward
Neal Zuckerman

Donald Spero, President
Pashko Camaj, Acting Vice President of Safety and Health Initiatives
Angelo Cerbone, Assistant Vice President and Controller
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
Joseph Keane, Vice President and Chief Engineer
Gavin Masterson, Vice President and Chief Procurement Officer
Shawn Moore, Chief Equal Employment Opportunity Officer
Patrick J. Parisi, Vice President, Maintenance and Operations Support
Albert Rivera, Vice President and Chief of Staff
M. Margaret Terry, Senior Vice President and General Counsel

MONTHLY MEETING OF TRIBOROUGH BRIDGE AND TUNNEL AUTHORITY COMMITTEE

December 12, 2016

Minutes of TBTA Committee held December 12, 2016 at 12:00 p.m. A list of those in attendance is attached.

Public Speakers

There was one public speaker. Murray Bodin who stated that TBTA has been receptive to his suggestions and has implemented suggestions he has made regarding guide signs and other safety issues. He commended TBTA for making its roadways safer.

Minutes

Upon a motion duly made and seconded, the minutes of the Committee Meeting held on November 14, 2016 were approved.

Committee Work Plan

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

Report on Operations

With regard to the Report on Operations for October 2016, Mr. Parisi stated the following:

In October 2016, there were 26.0 million crossings as compared to 26.2 million crossings in October 2015, which is a decrease of 0.8%; this was primarily driven by 0.7 million less vehicles at TBTA tunnels. This is mainly due to accelerated construction activity at the Queens Midtown Tunnel and the Hugh L. Carey Tunnel. The year-to-year traffic increase from all other facilities was 0.5 million vehicles in October. These increases are partially attributable to continued low gas prices, which averaged \$2.27 per gallon in October 2016, \$0.02 lower than October 2015; E-ZPass volume decreased in October 2016 by 0.4% as compared to October 2015, while crossings using cash and other payment methods decreased by 2.9%; passenger car travel was down by 0.3% and other vehicle travel declined 6.9%. Preliminary traffic figures for November 2016 are 1.2% higher than in November 2015. Commissioner Zuckerman inquired about the decrease in vehicle crossings and where those vehicles went. Mr. Parisi stated that there was an overall 0.2 million decrease in vehicle traffic for October 2016 and it is possible that these motorists used one of the NYC Department of Transportation bridges or public transportation. Commissioner Zuckerman also inquired if the decrease in vehicles at the Robert F. Kennedy – Manhattan Plaza was also due to construction. Mr. Parisi confirmed that this is correct. Chairman Moerdler noted that when vehicles coming off the bridges and enter the Franklin D. Roosevelt East River Drive or local New York City streets and experience more congestion, the motorists are not as likely to use the bridge to the same degree and this would lead to less revenue to support mass transit. Mr. Spero stated that TBTA facilities are part of a large network and all parts of the network affect each other.

Safety Report

With regard to the Report on Safety for October 2016, Mr. Camaj referred the Committee to the charts on page 32 of the Committee materials that include 12-month rolling averages and highlight performance indicators in the categories of customer collisions, customer collisions with injuries, employee accident reports, lost time injuries and contractor injuries. Compared to the previous reporting period, the total customer collision rate increased from 5.81 to 7.34; the total customer injury collision rate increased from 0.94 to 1.07; the number of employee accident reports decreased from 256 to 248; the rate for employee lost time injuries increased from 4.9 to 6.8; and the contractor lost time injury rate decreased from 2.77 to 2.04 or -26.4%. Commissioner Zuckerman stated that the percentage increase in customer collisions and employee accidents are worse than last month and that other methods must be found to control these increases as they are unacceptable. Mr. Camaj

stated that in the last two months there has been a downward trend and he is hopeful that this will continue. Chairman Moerdler asked if the committee could be provided a list of the strategies being used to deal with these issues so that committee members could review them and comment if necessary. Mr. Spero commented that such a list was provided on the customer injuries last month and TBTA could provide similar information for the employee injuries.

E-ZPass Performance Report

With regard to the E-ZPass Performance Report for October 2016, Mr. Spero stated that the E-ZPass market share was 86.4% or 0.3% higher than the prior October and that the E-ZPass market share at all TBTA facilities is over 80% on weekdays and four facilities (Henry Hudson Bridge, Queens Midtown Tunnel, Hugh L. Carey Tunnel and the Marine Parkway Bridge) were over 90%. A total of 21,386 E-ZPass accounts were opened in October 2016, 44% of which comprised E-ZPass On-the-Go accounts. Ahead of Cashless Open Road Tolling (ORT) in early January, TBTA is encouraging customers to switch to E-ZPass, via handouts in the lanes, VMS messages, links on TBTA's website and other promotional and advertising activities. TBTA is also reminding customers to mount their tags, as that will be very helpful when tolls are collected in an Open Road environment. TBTA is scheduled to go live with ORT at the Hugh L. Carey Tunnel on January 4, 2017 and the Queens Midtown Tunnel on January 10, 2017.

Financial Report

Ms. Chua stated that compared to the July mid-year plan, traffic was down less than 1% against the mid-year forecast in October and 0.5% higher for the year to date. Through October toll revenue was \$1.565 billion, which is \$4.6 million or 0.3% better than plan. Total expenses were \$383.7 million, which is \$24.9 million or 6.1% lower than plan. Non-Labor spending was 6.2% lower than plan (\$11.2 million) due to timing of expenses. Labor expenses were approximately \$13.8 million lower or 6.0% as a result of payroll vacancies. Overtime was down 6.3% against plan or \$1.4 million. Total support to mass transit was \$970.3 million, which is \$54.8 million or 6.0% better than plan.

2017 Budget and 2017-2020 Financial Plan Adoption – Action Item

For 2016, Ms. Chua stated that toll revenue is projected at \$1.869 billion and the non-reimbursable expenses are projected at \$501.1 million, which consists of \$253.1 million in non-labor costs and \$248.1 million in labor costs. TBTA's support to mass transit is projected at \$1.067 billion in 2016, which is approximately the same level that TBTA has been reporting all year and TBTA is on track with these year-end projections. In 2017, Ms. Chua stated that toll revenue is projected at \$1.867 billion, which lower than 2016 by \$2.3 million or 0.1%. The toll revenue forecast does not include the proposed March 2017 toll increase. Toll increase revenue is included in the MTA's consolidated plan. Total non-reimbursable expenses are projected at \$552.8 million, which consists of \$279.4 million in non-labor costs, a \$26.3 year-to-year increase due to the expansion of Open Road Tolling (ORT) and \$273.5 million in labor costs, an increase of \$25.4 million due to additional salary and fringe benefits associated with filling 2016 vacancies. Debt service is projected at \$275.9 million in 2016 and \$303.4 million in 2017, which is a year-to-year increase of \$27.5 million. TBTA's support to mass transit in 2017 is projected to be \$992.1 million.

Ms. Chua also discussed major TBTA programmatic initiatives, most notably the expansion of ORT to all TBTA facilities as part of the New York Crossings Project. TBTA is on track for the overall implementation of ORT and may have some facilities go live sooner than originally anticipated. The Henry Hudson Bridge became an ORT facility November 20, 2016 and the two tunnels will be ORT in January 2017. ORT will be fully operational at all TBTA facilities during 2017. Another initiative under the New York Crossings Project and included in the 2017 Budget is the collaboration with New York State agencies to enhance TBTA's safety and security efforts. Security teams will be work with traffic enforcement at the crossings to establish new multi-agency operating protocols. TBTA is continuing to step up its efforts to increase E-ZPass usage, which

will help mitigate the potential for revenue losses as the transition is made to ORT. The 2016 November Forecast projected total expenses at \$12.7 million lower than the Mid-Year Forecast, and in 2017, total expenses are approximately \$11 million higher than the July Financial Plan, primarily due to higher non-labor costs related to the expansion of ORT. Because of favorable traffic trends, TBTA is revising its forecast. The toll revenue projections have increased by \$4.5 million in both 2016 and 2017. Support to mass transit is projected at \$1.067 billion in 2016 compared to the Mid-year Forecast, which is \$1.037 billion. This represents an increase of more than \$30 million or 2.9%. In 2017, it is lower by \$6.2 million in the November Plan versus the July Plan primarily due to the net additional expenses needed for ORT, partially offset by favorable revenue revisions already mentioned.

Upon a motion duly made and seconded, the Committee members who were present at the Committee Meeting considered and voted in favor of the action item. A Committee Quorum was present.

Capital Program Status Report

With regard to the Capital Program Status Report for November 2016, Mr. Keane stated that seventeen commitments were made with a total value of \$150.7 million. As of November 30, 2016, 85 commitments were made with a total value of \$253.8 million compared to a plan calling for 87 commitments with a total value of \$126.2 million. The most significant commitments made in November are related to implementation of Open Road Tolling Authority-wide with specific commitments at the Queens Midtown Tunnel and Hugh L. Carey Tunnel. There were no project completions in November but as of November 30, 2016 there have been nine project completions in the amount of \$93.8 million out of TBTA's annual completion plan of \$100.3 million. There were eleven task level closeouts in November and there have been 102 task level closeouts year-to-date with a value of \$197.0 million.

Procurements

Mr. Masterson stated that there are three (3) procurements totaling \$67.95 million.

Non-Competitive Procurements

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

Competitive Procurements

Mr. Masterson stated that there are three (3) competitive procurements totaling \$67.95 million. One competitively solicited public work contract to Judlau Contracting for design-build services for a flood mitigation system at the Hugh L. Carey Tunnel, the Governors Island Ventilation Building associated with it and the Queens Midtown Tunnel. This is in the not-to-exceed amount of \$64.784 million and a duration of two and one-half years. Negotiations have concluded and the final negotiated amount is \$64 million. This work includes the design, construction, operation and maintenance of a flood mitigation system that would protect the entrances at the tunnels and plazas at the two tunnels and the Governors Island Ventilation Building. Stipends will also be authorized for the other three proposers. There are also two procurement modifications to personal service contracts: one to the joint venture of WSP Sells and HNTB under their existing contract for a feasibility study and conceptual design for the RFK Bridge Manhattan Plaza, and associated ramps; this modification adds design services for new ORT gantries at the RFK Bridge, design for a re-located, expanded Operations Command and Control Center at the TBTA training building, construction support services and design assistance for the demolition of the Manhattan toll plaza, in the negotiated amount of \$2,471,525. The other is to Shaw Environmental for additional construction management and inspection services for the re-located, expanded Command and Control Center at the training facility, in the negotiated amount of \$700,009.69. The total of these two modification is approximately \$3,170,000.

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

Judlau Contracting Inc.	Contract No. TUN-MIT-01 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 Flood Mitigation at the Hugh L. Carey Tunnel and Queens Midtown Tunnel to Judlau Contracting, Inc. (Judlau).	\$64,784,000.00 (not to exceed amount)
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Modifications to Personal Service Contracts and Miscellaneous Service Contracts

WSP Sells/HNTB, JV	Contract No. PSC-14-2957 B&T is seeking Board Approval in accordance with the All-Agency Service Contract Procurement Guidelines to amend a personal service Contract No. PSC-14-2957 with WSP Sells HNTB, JV for additional work to implement Open Road Tolling (ORT) at the Robert F. Kennedy Bridge (RFK Bridge).	\$2,471,525.00
Shaw Environmental and Infrastructure Engineering of New York, P.C.	Contract No. PSC-13-2937 B&T is seeking Board Approval in accordance with the All-Agency Service Contract Procurement Guidelines to amend Contract No. PSC-13-2937 with Shaw Environmental and Infrastructure Engineering of New York, P.C. (Shaw) to provide additional construction management and inspection services.	\$700,009.69

Upon a motion duly made and seconded, the Committee considered and voted in favor of the competitive procurements.

Ratifications

Mr. Masterson stated that there are no ratifications.

Diversity Report Third Quarter 2016

Ms. Moore stated that TBTA on-boarded 77 new hires: 25% were females and 56% were Minorities. The new hires resulted in a favorable impact on the Service Maintenance job category, which increased the number of Hispanics to 25% and blacks to 29%. With regard to EEO and Title VI complaints, Ms. Moore stated that TBTA's EEO case load includes a total of 26 EEO complaints – 20 active internal complaints and six (6) active external complaints. During the Third Quarter, TBTA closed out two (2) external complaints and 15 internal complaints. There were no reported Title VI complaints.

Adjournment

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

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Julia R. Christ".

For:

Adana Savery
Assistant Secretary



Bridges and Tunnels

Committee Work Plan



BRIDGES & TUNNELS COMMITTEE WORK PLAN

I. RECURRING AGENDA ITEMS

TOPIC

Approval of Minutes
Committee Work Plan
Report on Operations/Safety

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

January 2017

Approval of 2017 Work Plan

Committee Chair & Members

February 2017

Preliminary Review of 2016 Operating Budget Results
2017 Adopted Budget/Financial Plan 2017-2020
2016 B&T Operating Surplus
Customer Environment Survey – 4th Quarter 2016
Diversity Report – 4th Quarter 2016

Planning & Budget
Planning & Budget
Controller
Operations
EEO

March 2017

Annual Procurement Contracts Report

Procurement & Materials/
Finance

April 2017

Final Review of 2016 Year-End Operating Results

Planning & Budget

May 2017

Customer Environment Survey – 1st Quarter 2017
Diversity Report – 1st Quarter 2017

Operations
EEO

June 2017

No items scheduled.

August 2017

No meeting scheduled.

September 2017

Customer Environment Survey – 2nd Quarter 2017

Operations

2018 Preliminary Budget
Diversity Report – 2nd Quarter 2017

Planning & Budget
EEO

October 2017

2018 Preliminary Budget

Planning & Budget

November 2017

Customer Environment Survey – 3rd Quarter 2017
2018 Preliminary Budget
B&T Committee Charter – Review

Operations
Planning & Budget
MTA Board

December 2017

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

Committee Chair & Members
Planning & Budget
EEO

BRIDGES & TUNNELS COMMITTEE WORK PLAN

Detailed Summary

I. RECURRING

Approval of Minutes

Approval of the official proceedings of the Committee Meeting.

Report on Operations/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

JANUARY 2017

Approval of Work Plan for 2017

The committee will have already received a draft work plan for 2017 at the December 2016 meeting. The committee will be requested to approve the amended work plan for the year.

FEBRUARY 2017

Preliminary Review of 2016 Operating Budget Results

The agency will present a brief review of its 2016 Operating Budget results.

2017 Adopted Budget and February Financial Plan 2017-2020

The Agency will present its revised 2017 Adopted Budget and Financial Plan which will incorporate any changes made by the Board at the December 2016 meeting and any Agency technical adjustments.

2016 B&T Operating Surplus

The Committee will recommend action to the Board.

Customer Environment Survey – 4th Quarter 2016

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 2016

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

MARCH 2017

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 2017

Final Review of 2016 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 2017

Customer Environment Survey – 1st 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 – 1st Quarter 2017

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

JUNE 2017

No items scheduled.

JULY 2017

No items scheduled.

AUGUST 2017

No meeting scheduled.

SEPTEMBER 2017

Customer Environment Survey – 2nd 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.

2018 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 2017

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

OCTOBER 2017

2018 Preliminary Budget

Public comment will be accepted on the 2018 Preliminary Budget.

NOVEMBER 2017

Customer Environment Survey – 3rd 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.

2018 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.

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.



Bridges and Tunnels

Report on Operations November 2016



MTA Bridges and Tunnels November 2016 Traffic Trends

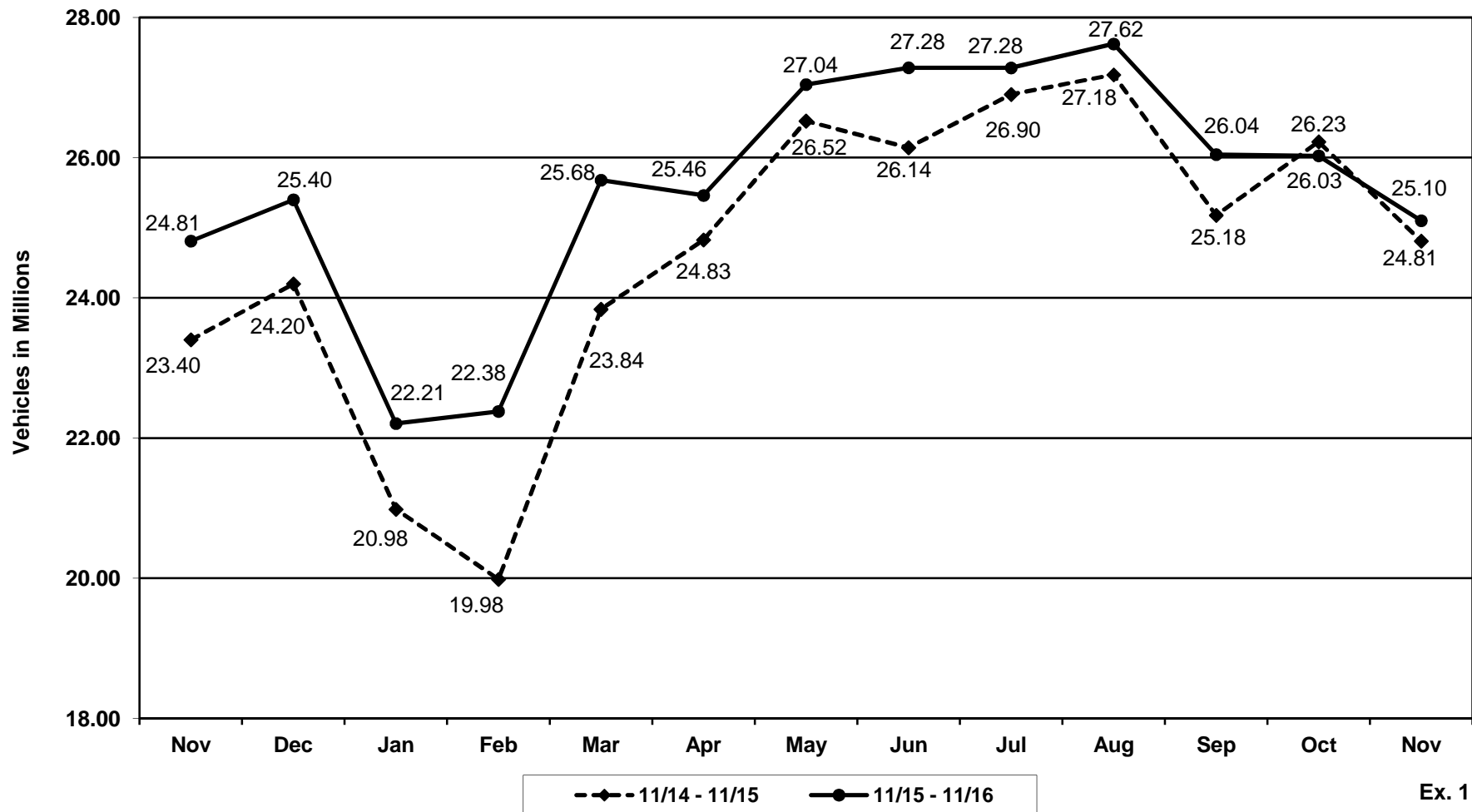
Summary

Traffic in November was 25.1 million crossings, which was 0.3 million crossings, or 1.2% higher than November 2015 (Exhibit 1).

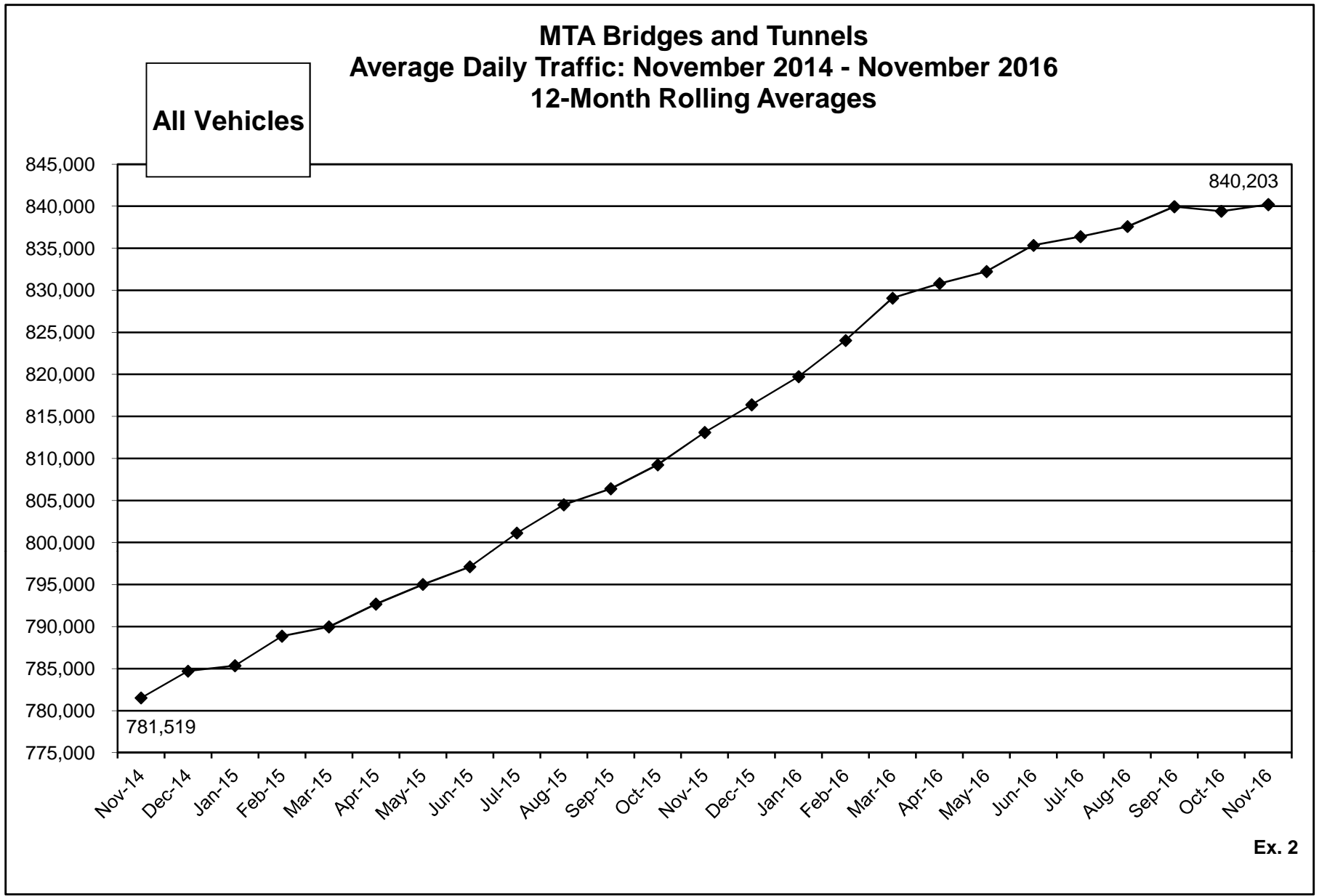
Gas prices averaged \$2.39 per gallon this November, which was \$0.14 higher than last year at this time. This is the first month average prices increased on a year-to-year basis since July 2014.

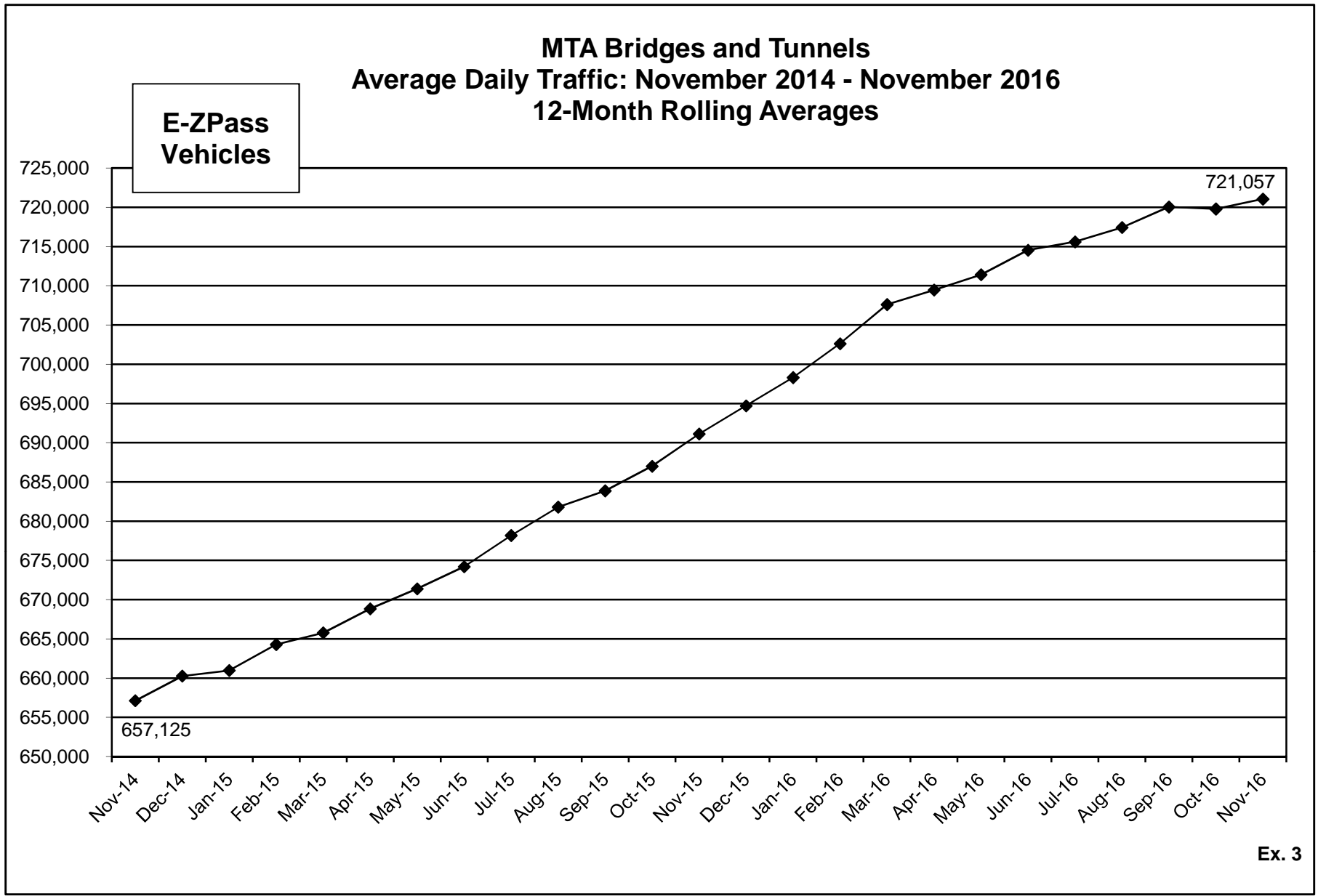
E-ZPass volume increased in November by 2.2% compared to the same month in 2015, while crossings using cash and other payment methods declined 4.9% (Exhibit 7). Passenger car travel was up 1.1% and other vehicle travel was up 1.6% from November of 2015 (Exhibit 8).

MTA Bridges and Tunnels Traffic Volume - All Facilities Two Years Ending November 2016

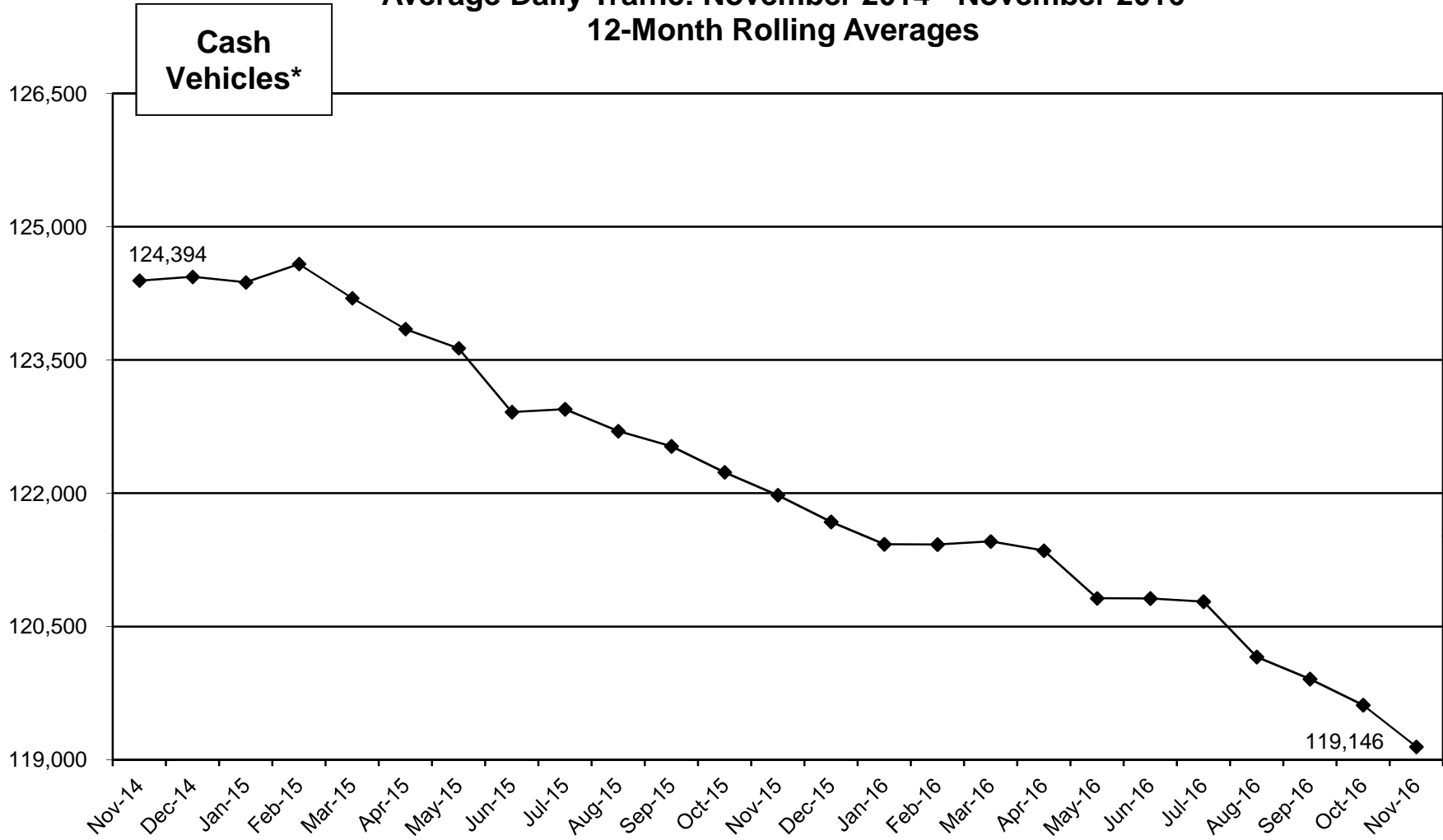


Ex. 1





MTA Bridges and Tunnels
Average Daily Traffic: November 2014 - November 2016
12-Month Rolling Averages

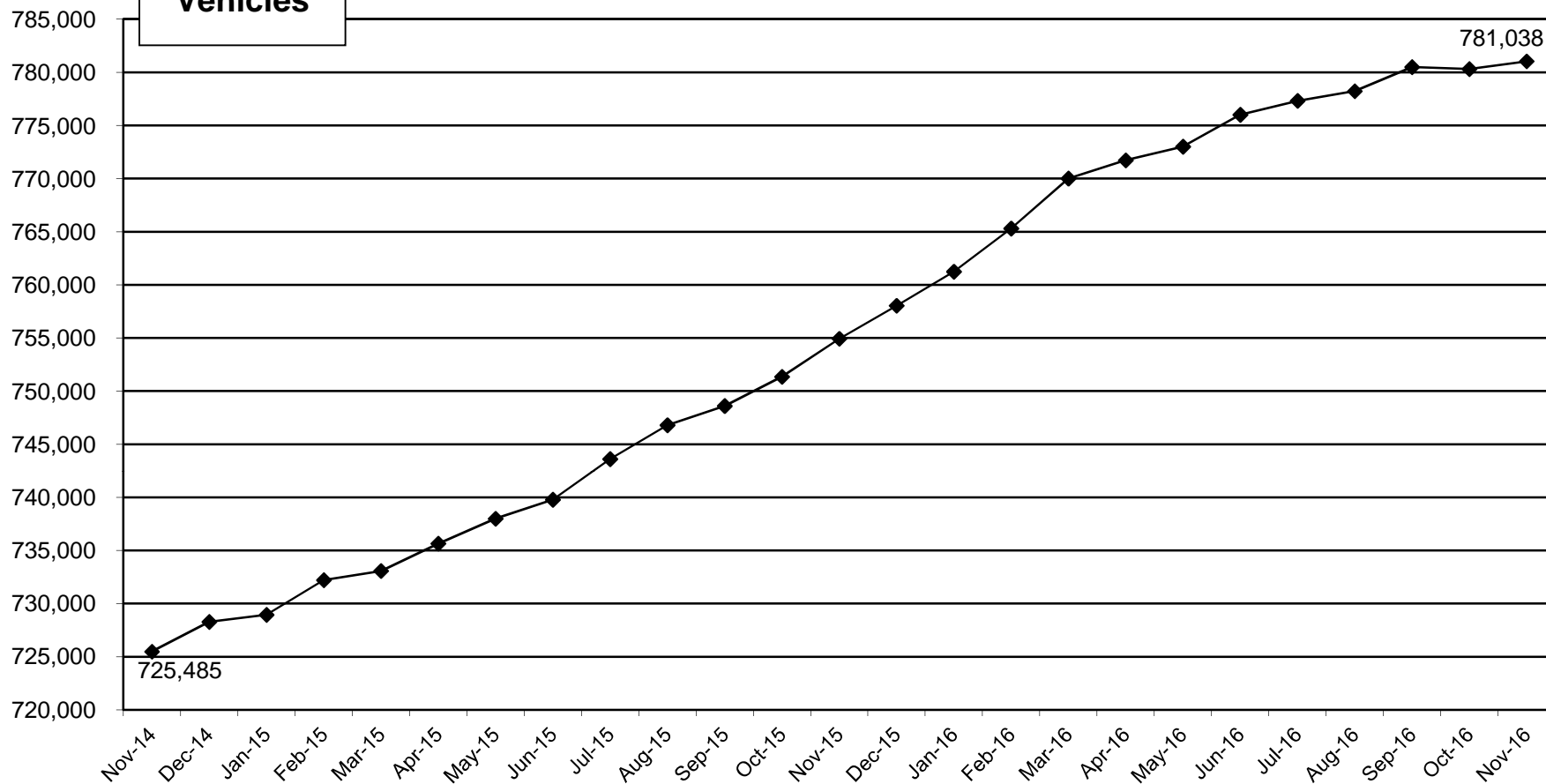


*Includes token, ticket and Tolls by Mail transactions.

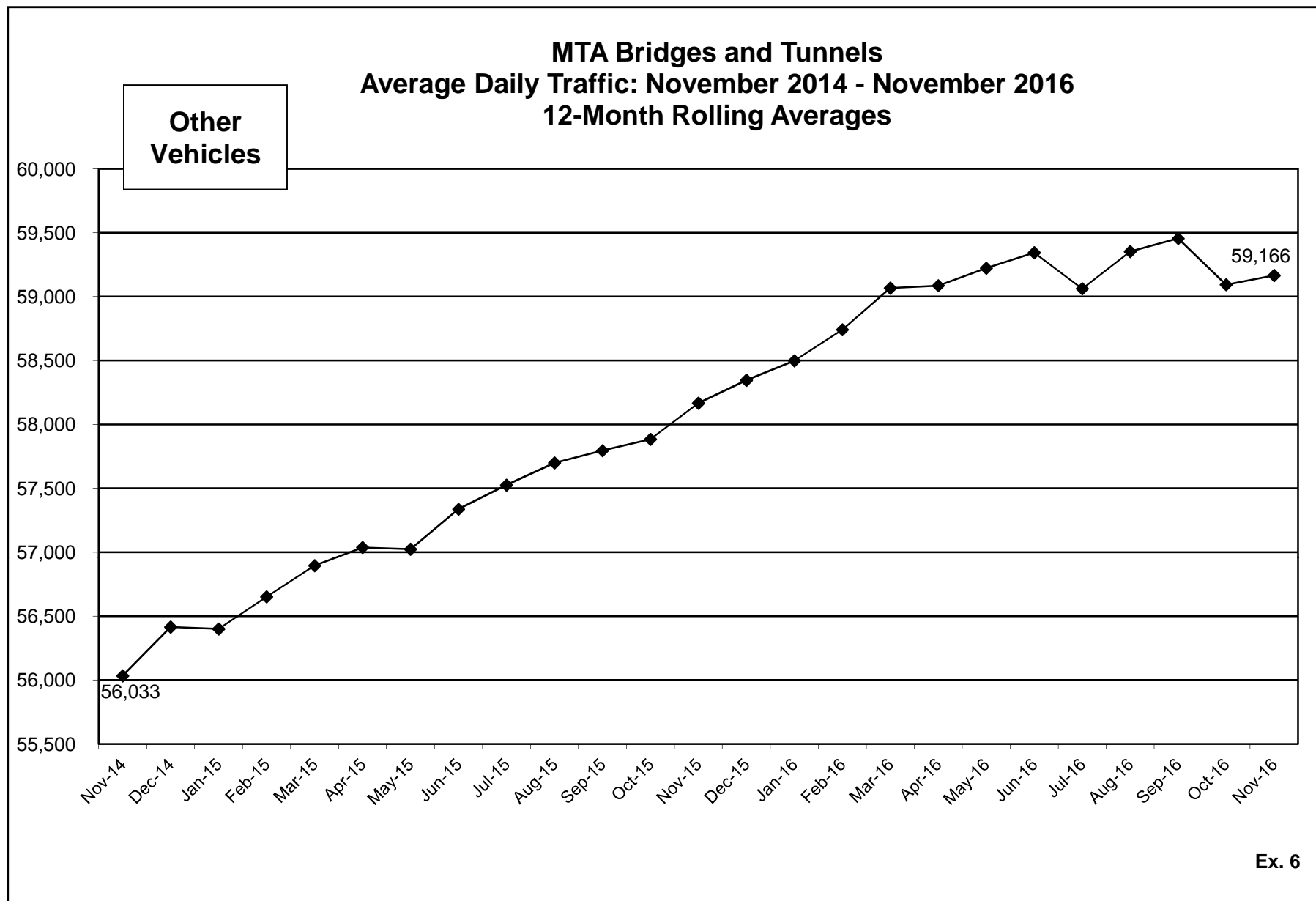
Ex. 4

MTA Bridges and Tunnels Average Daily Traffic: November 2014 - November 2016 12-Month Rolling Averages

Passenger
Vehicles



Ex. 5



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

Corridor	Toll Media	Nov ⁽¹⁾	3 Months ⁽²⁾ (Sep-Nov)	6 Months ⁽³⁾ (Jun-Nov)	9 Months ⁽⁴⁾ (Mar-Nov)	12 Months ⁽⁵⁾ (Dec-Nov)
All Facilities	Total Vehicles	1.2%	1.3%	1.9%	2.6%	3.3%
	E-ZPass	2.2%	2.0%	2.7%	3.4%	4.3%
	Cash ⁽⁶⁾	-4.9%	-3.4%	-2.6%	-2.4%	-2.3%
RFK Bridge-Bronx Plaza Bronx-Whitestone Bridge Throgs Neck Bridge	Total Vehicles	3.6%	3.2%	3.1%	3.7%	4.5%
	E-ZPass	5.1%	4.4%	4.2%	4.9%	5.9%
	Cash ⁽⁶⁾	-2.7%	-1.8%	-1.5%	-1.1%	-0.9%
RFK Bridge-Manhattan Plaza Queens Midtown Tunnel Hugh L. Carey Tunnel	Total Vehicles	-7.0%	-5.8%	-3.5%	-2.2%	-0.9%
	E-ZPass	-6.0%	-5.1%	-2.7%	-1.3%	0.0%
	Cash ⁽⁶⁾	-14.7%	-11.6%	-8.8%	-8.2%	-7.9%
Verrazano-Narrows Bridge	Total Vehicles	5.0%	5.0%	4.8%	5.1%	5.3%
	E-ZPass	6.1%	5.8%	5.7%	6.1%	6.3%
	Cash ⁽⁶⁾	-2.3%	-0.3%	-0.6%	-1.0%	-1.3%
Henry Hudson Bridge	Total Vehicles	5.3%	5.4%	4.9%	5.5%	6.4%
	E-ZPass	5.4%	5.4%	4.9%	5.6%	6.4%
	Tolls By Mail	2.9%	5.4%	4.0%	4.6%	6.2%
Marine Parkway Bridge Cross Bay Bridge	Total Vehicles	2.4%	0.7%	2.4%	2.8%	3.5%
	E-ZPass	2.6%	1.2%	2.9%	3.4%	4.3%
	Cash ⁽⁶⁾	0.5%	-3.0%	-0.8%	-1.2%	-1.9%

(1) November 2016 vs. November 2015.

(2) September 2016 to November 2016 vs. September 2015 to November 2015.

(3) June 2016 to November 2016 vs. June 2015 to November 2015.

(4) March 2016 to November 2016 vs. March 2015 to November 2015.

(5) December 2015 to November 2016 vs. December 2014 to November 2015.

(6) Includes tokens and tickets.

Ex. 7

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

Corridor	Vehicle Type	Nov ⁽¹⁾	3 Months ⁽²⁾ (Sep-Nov)	6 Months ⁽³⁾ (Jun-Nov)	9 Months ⁽⁴⁾ (Mar-Nov)	12 Months ⁽⁵⁾ (Dec-Nov)
All Facilities	Total Vehicles	1.2%	1.3%	1.9%	2.6%	3.3%
	Passenger	1.1%	1.4%	2.0%	2.7%	3.5%
	Other	1.6%	-1.3%	-0.2%	0.9%	1.7%
RFK Bridge-Bronx Plaza Bronx-Whitestone Bridge Throgs Neck Bridge	Total Vehicles	3.6%	3.2%	3.1%	3.7%	4.5%
	Passenger	3.6%	3.5%	3.3%	3.9%	4.7%
	Other	3.9%	0.5%	1.3%	2.2%	3.0%
RFK Bridge-Manhattan Plaza Queens Midtown Tunnel Hugh L. Carey Tunnel	Total Vehicles	-7.0%	-5.8%	-3.5%	-2.2%	-0.9%
	Passenger	-7.2%	-5.8%	-3.4%	-2.1%	-0.8%
	Other	-3.8%	-6.0%	-4.9%	-3.4%	-2.2%
Verrazano-Narrows Bridge	Total Vehicles	5.0%	5.0%	4.8%	5.1%	5.3%
	Passenger	5.1%	5.2%	5.0%	5.2%	5.4%
	Other	4.0%	1.0%	2.2%	3.1%	3.2%
Henry Hudson Bridge	Total Vehicles	5.3%	5.4%	4.9%	5.5%	6.4%
	Passenger	5.5%	5.5%	4.9%	5.6%	6.4%
	Other	-15.4%	-5.3%	-1.1%	2.7%	5.8%
Marine Parkway Bridge Cross Bay Bridge	Total Vehicles	2.4%	0.7%	2.4%	2.8%	3.5%
	Passenger	2.7%	1.0%	2.6%	2.9%	3.6%
	Other	-2.7%	-4.9%	-1.7%	0.5%	2.0%

(1) November 2016 vs. November 2015.

(2) September 2016 to November 2016 vs. September 2015 to November 2015.

(3) June 2016 to November 2016 vs. June 2015 to November 2015.

(4) March 2016 to November 2016 vs. March 2015 to November 2015.

(5) December 2015 to November 2016 vs. December 2014 to November 2015.

Ex. 8

Supplemental Data Page for the Report on Operations

Traffic & Average Gas Price ¹			Weather ²			
<u>Month</u>	<u>Traffic</u>	<u>Gas</u>	<u>Average Temperature</u>	<u>Rain Inches</u>	<u>Snow Inches</u>	<u>Precipitation Days</u>
Nov-14	23,400,720	\$3.03	51	3.9	0.4	8
Dec-14	24,198,616	\$2.78	41	6.1	1.3	16
Jan-15	20,983,289	\$2.30	30	4.8	15.5	11
Feb-15	19,983,679	\$2.33	24	2.0	15.2	8
Mar-15 ³	23,836,645	\$2.48	38	4.5	17.3	14
Apr-15	24,825,057	\$2.52	54	1.8	-	8
May-15	26,520,622	\$2.78	67	1.6	-	6
Jun-15	26,140,659	\$2.86	71	4.8	-	12
Jul-15	26,900,933	\$2.85	79	3.5	-	8
Aug-15	27,179,957	\$2.68	79	1.9	-	4
Sep-15	25,176,781	\$2.44	74	2.5	-	6
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	51	4.3	-	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	26,025,189	\$2.27	61	4.8	-	6
Nov-16	25,099,944	\$2.39	53	5.4	-	8

Note: Bold numbers are preliminary.

TABLE 2 - Year-over-Year Differences

Traffic & Gas Monthly Inc/(Dec)			Weather Monthly Inc/(Dec)			
<u>Month</u>	<u>Traffic</u>	<u>Gas</u>	<u>Average Temperature</u>	<u>Rain Inches</u>	<u>Snow Inches</u>	<u>Precipitation Days</u>
2015 vs. 2014						
November	1,408,267	(\$0.78)	3	(2.2)	(0)	(3)
December	1,199,721	(\$0.60)	10	(1.8)	(1)	1
2016 vs. 2015						
January	1,223,571	(\$0.25)	6	(0.6)	13	(4)
February	2,395,766	(\$0.43)	15	2.4	(10)	5
March	1,841,362	(\$0.55)	11	(3.2)	(16)	(3)
April	635,005	(\$0.35)	(1)	(0.1)	-	3
May	520,937	(\$0.45)	(3)	2.3	-	5
June	1,140,814	(\$0.48)	3	(2.6)	-	(3)
July	378,907	(\$0.54)	2	1.5	-	4
August	440,489	(\$0.46)	3	(0.8)	-	6
September	866,475	(\$0.21)	0	0.0	-	3
October	(199,978)	(\$0.02)	2	1.4	-	(1)
November	290,957	\$0.14	(1)	3.7	-	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 22, 2015

Supplemental Data Page for Exhibits 2 through 6

Average Daily Traffic: 12-Month Rolling Averages

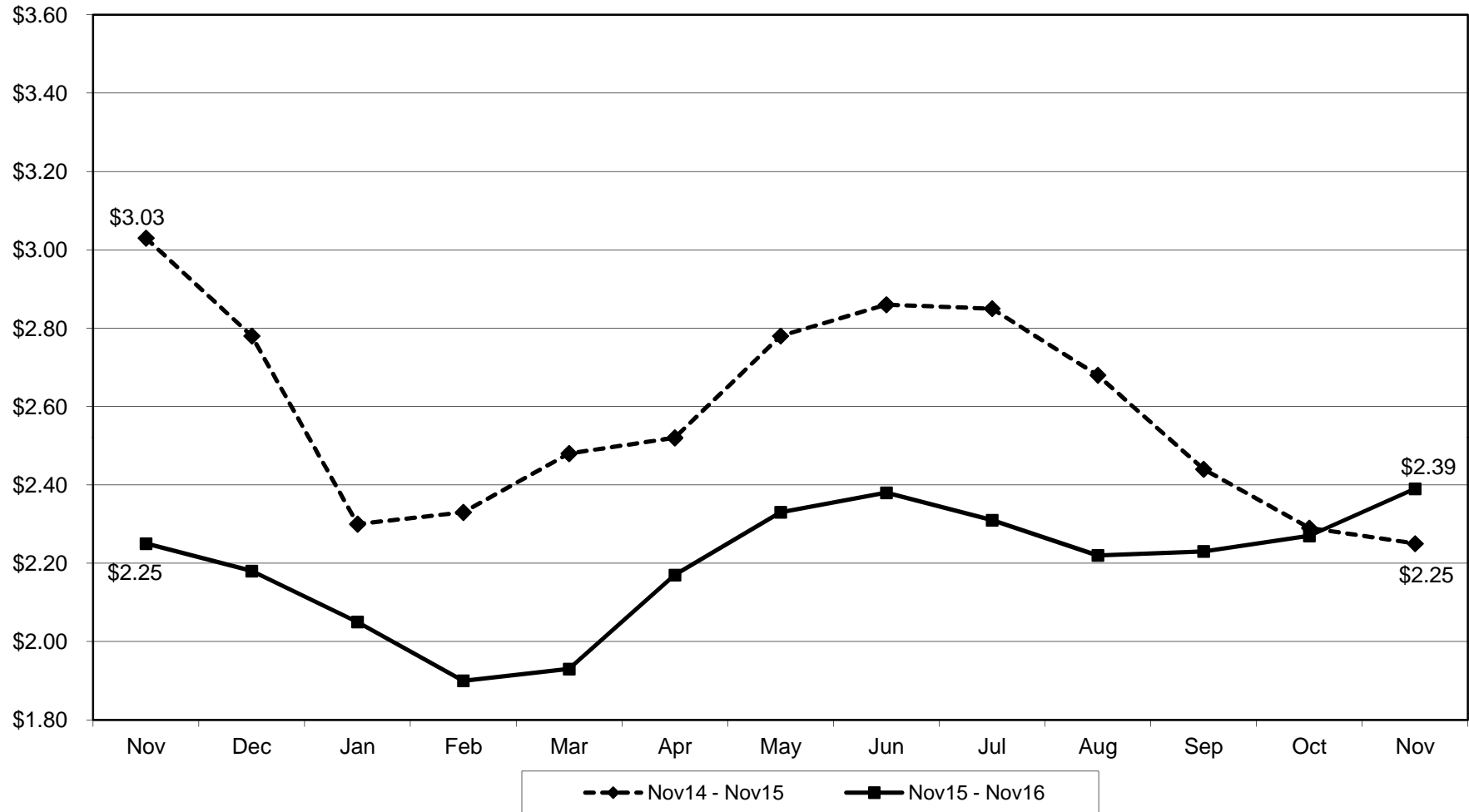
<u>Month</u>	<u>All Vehicles¹</u>	<u>E-ZPass</u>	<u>Cash²</u>	<u>Passenger</u>	<u>Other</u>
Nov-14	781,519	657,125	124,394	725,485	56,033
Dec-14	784,704	660,268	124,436	728,289	56,415
Jan-15	785,350	660,977	124,373	728,950	56,400
Feb-15	788,863	664,283	124,580	732,211	56,651
Mar-15	789,972	665,777	124,196	733,077	56,896
Apr-15	792,686	668,837	123,848	735,648	57,037
May-15	795,019	671,387	123,632	737,995	57,024
Jun-15	797,117	674,203	122,914	739,780	57,336
Jul-15	801,132	678,186	122,946	743,606	57,526
Aug-15	804,496	681,797	122,700	746,797	57,699
Sep-15	806,402	683,874	122,529	748,607	57,795
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	839,408	719,793	119,615	780,316	59,093
Nov-16	840,203	721,057	119,146	781,038	59,166

Note: Bold numbers are preliminary.

1. Numbers may not add due to rounding.

2. Cash transactions include: tokens, tickets and beginning November 11, 2012, Tolls by Mail at the Henry Hudson Bridge

Supplemental Graph Gas Prices in the NY-NJ-CT-PA Area November 2014 - November 2016





Bridges and Tunnels

Safety Report November 2016



Safety Report

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

Performance Indicator

Performance Indicator	12-Month Average		
	December 2013 - November 2014	December 2014 - November 2015	December 2015 - November 2016
Customer Collisions Rate for Bridge Customers per Million Vehicles	5.46	5.81	7.50
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.93	0.94	1.09
Employee Accident Reports	300	253	253
Employee Lost Time Injuries Rate per 200,000 worker hours	7.0	4.7	6.8
Construction Injuries per 200,000 worker hours	1.76	2.60	1.86

Leading Indicators

Roadway Safety	2015		2016	
	November	Year End	November	Year to Date
Workforce Development (# of Participants)	20	1687	61	691
Fleet Preventative Maintenance Insp.	98	1186	141	1178
Safety Taskforce Inspections	0	12	2	10
Construction Safety	November	Year End	November	Year to Date
Construction Safety Inspections	319	3419	315	3876
Fire Safety	November	Year End	November	Year to Date
Fire Code Audits Completed	2	13	2	12
FDNY Liaison Visits	1	23	0	25

Definitions:

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

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

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

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

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

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



Bridges and Tunnels

E-ZPass Performance Report November 2016



MTA Bridges and Tunnels
E-ZPASS Performance Report
November 2016
Preliminary data subject to final audit

E-ZPass Performance at All B&T Facilities			
	November 2016	Year to Date	November 2015
Total E-ZPass Traffic ¹	21,749,427	242,156,730	21,286,627
E-ZPass Market Share: Total	86.7%	85.8%	85.8%
Cars	86.1%	85.3%	85.3%
Trucks	93.4%	93.3%	92.9%

Weekday E-ZPass Performance by Facility²			
Facility	November Average E-Zpass Weekday Traffic and Market Share		
	2016 Average Traffic	2016 Market Share	2015 Market Share
Bronx-Whitestone Bridge	104,888	83.7%	82.8%
Cross Bay Veterans Memorial Bridge	20,414	88.6%	88.5%
Henry Hudson Bridge	68,543	94.5%	94.4%
Hugh L. Carey Tunnel	49,210	92.4%	91.4%
Marine Parkway-Gil Hodges Memorial Bridge	20,128	90.6%	90.5%
Queens Midtown Tunnel	66,399	91.9%	90.8%
Robert F. Kennedy Bridge - Bronx Plaza	68,588	81.7%	80.2%
Robert F. Kennedy Bridge - Manhattan Plaza	82,930	88.4%	87.6%
Throgs Neck Bridge	102,896	86.9%	86.0%
Verrazano-Narrows Bridge ¹	<u>174,801</u>	<u>89.1%</u>	<u>88.5%</u>
All Facilities ¹	758,797	88.1%	87.4%

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
November 2016
Preliminary data subject to final audit

Weekday Peak Hour E-ZPass Performance by Facility³				
Facility	November E-ZPass Market Share			
	2016 AM Peak	2015 AM Peak	2016 PM Peak	2015 PM Peak
Bronx-Whitestone Bridge	87.9%	87.7%	84.7%	83.7%
Cross Bay Veterans Memorial Bridge	91.2%	91.6%	88.4%	89.1%
Henry Hudson Bridge	96.3%	96.5%	94.8%	94.6%
Hugh L. Carey Tunnel	94.9%	94.5%	91.9%	91.1%
Marine Parkway-Gil Hodges Memorial Bridge	92.2%	92.8%	90.4%	90.3%
Queens Midtown Tunnel	93.6%	92.8%	91.4%	90.9%
Robert F. Kennedy Bridge - Bronx Plaza	86.2%	85.3%	81.9%	81.4%
Robert F. Kennedy Bridge - Manhattan Plaza	90.7%	90.2%	88.3%	87.5%
Throgs Neck Bridge	91.0%	90.6%	87.4%	86.5%
Verrazano-Narrows Bridge ⁴	N/A	N/A	91.4%	91.1%
All Facilities	91.0%	90.7%	88.8%	88.2%

Weekend E-ZPass Performance by Facility			
Facility	November Average E-ZPass Weekend Traffic and Market Share		
	2016 Avg. Traffic	2016 Market Share	2015 Market Share
Bronx-Whitestone Bridge	98,935	78.0%	76.7%
Cross Bay Veterans Memorial Bridge	15,280	84.8%	84.5%
Henry Hudson Bridge	61,579	92.3%	92.1%
Hugh L. Carey Tunnel	31,375	88.8%	87.7%
Marine Parkway-Gil Hodges Memorial Bridge	14,195	87.6%	87.4%
Queens Midtown Tunnel	46,110	87.2%	87.3%
Robert F. Kennedy Bridge - Bronx Plaza	61,221	75.2%	73.7%
Robert F. Kennedy Bridge - Manhattan Plaza	72,113	84.7%	83.1%
Throgs Neck Bridge	96,957	81.8%	81.0%
Verrazano-Narrows Bridge ¹	<u>147,574</u>	83.7%	82.9%
All Facilities ¹	645,339	83.0%	82.4%

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
November 2016
Preliminary data subject to final audit

E-ZPass Interoperability Statistics

B&T E-ZPass Transactions From Other Agencies ⁵			
Customer's E-ZPass Agency	November 2016 Total B&T E-ZPass Transactions	November 2016 Percentage of B&T Total Transactions	November 2015 Percentage of B&T Total Transactions
New York State Thruway Authority ⁶	1,882,425	8.47%	8.32%
Port Authority of NY and NJ	1,193,896	5.37%	5.35%
New Jersey Toll Agencies ⁷	1,129,822	5.08%	5.27%
Massachusetts Turnpike Authority ⁸	168,330	0.76%	0.66%
Pennsylvania Turnpike Commission	108,324	0.49%	0.45%
Maryland Transportation Authority	45,453	0.20%	0.11%
Virginia Department of Transportation ⁹	40,698	0.18%	0.16%
New Hampshire Department of Transportation	18,420	0.08%	0.08%
Delaware Department of Transportation	20,129	0.09%	0.08%
Other ¹⁰	<u>55,283</u>	<u>0.25%</u>	<u>0.23%</u>
Total	4,662,780	20.98%	20.71%

Other Agency B&T E-ZPass Transactions			
Agency Used By B&T Customers	November 2016	YTD 2016	November 2015
New York State Thruway Authority ⁶	2,864,987	31,605,040	2,870,107
Port Authority of NY and NJ	3,570,994	39,262,805	3,543,539
New Jersey Toll Agencies ⁷	6,306,411	68,051,285	5,960,677
New York State Bridge Authority	284,486	3,142,067	280,388
Massachusetts Turnpike Authority ⁸	646,089	6,644,922	623,335
Pennsylvania Turnpike Commission	352,798	3,657,013	275,824
Maryland Transportation Authority	371,460	4,275,171	209,076
Virginia Department of Transportation ⁹	194,532	2,275,203	182,292
New Hampshire Department of Transportation	107,100	1,438,153	105,958
Delaware Department of Transportation	258,854	3,120,647	244,515
Other ¹⁰	<u>367,390</u>	<u>4,754,763</u>	<u>389,757</u>
Total	15,325,101	168,227,069	14,685,468

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
November 2016
Preliminary data subject to final audit

E-ZPass Customer Service Statistics

MTA Bridges and Tunnels Customers				
	November 2016	YTD 2016	YTD 2015	
Accounts Opened:				
Internet	8,057	94,111	90,029	
Walk-In	2,607	30,397	29,826	
Mail	232	2,973	3,188	
On-The-Go	<u>9,168</u>	<u>113,896</u>	<u>112,483</u>	
Total Accounts Opened	20,064	241,377	235,526	
Total Active Accounts		3,117,311	2,970,914	
Number of E-ZPass Tags Issued ¹¹	46,776	590,033	625,515	
Total Active Tags ¹²		4,912,832	4,688,463	
Total Reload Cards Distributed	1,416	172,033	145,814	
Reload Card % of Cash Replenishments	18.8%	17.5%	16.4%	

Customer Service Indicators				
	November 2016	YTD 2016	YTD 2015	
Phone Calls Answered by Customer Service Center:				
Customer Service Representatives	299,051	3,224,590	2,949,758	
Automated System	<u>670,801</u>	<u>6,993,749</u>	<u>6,144,433</u>	
Total Phone Calls Answered	969,852	10,218,339	9,094,191	
Average Phone Call Waiting Time (in min.):				
General Call Unit	0.15	0.35	0.31	
Commercial Call Unit	0.25	0.38	0.56	
Avg. Monthly B&T E-ZPass Trips Per Account	5.51	5.76	5.83	
Average Number of Active Tags Per Account	1.58	1.59	1.59	

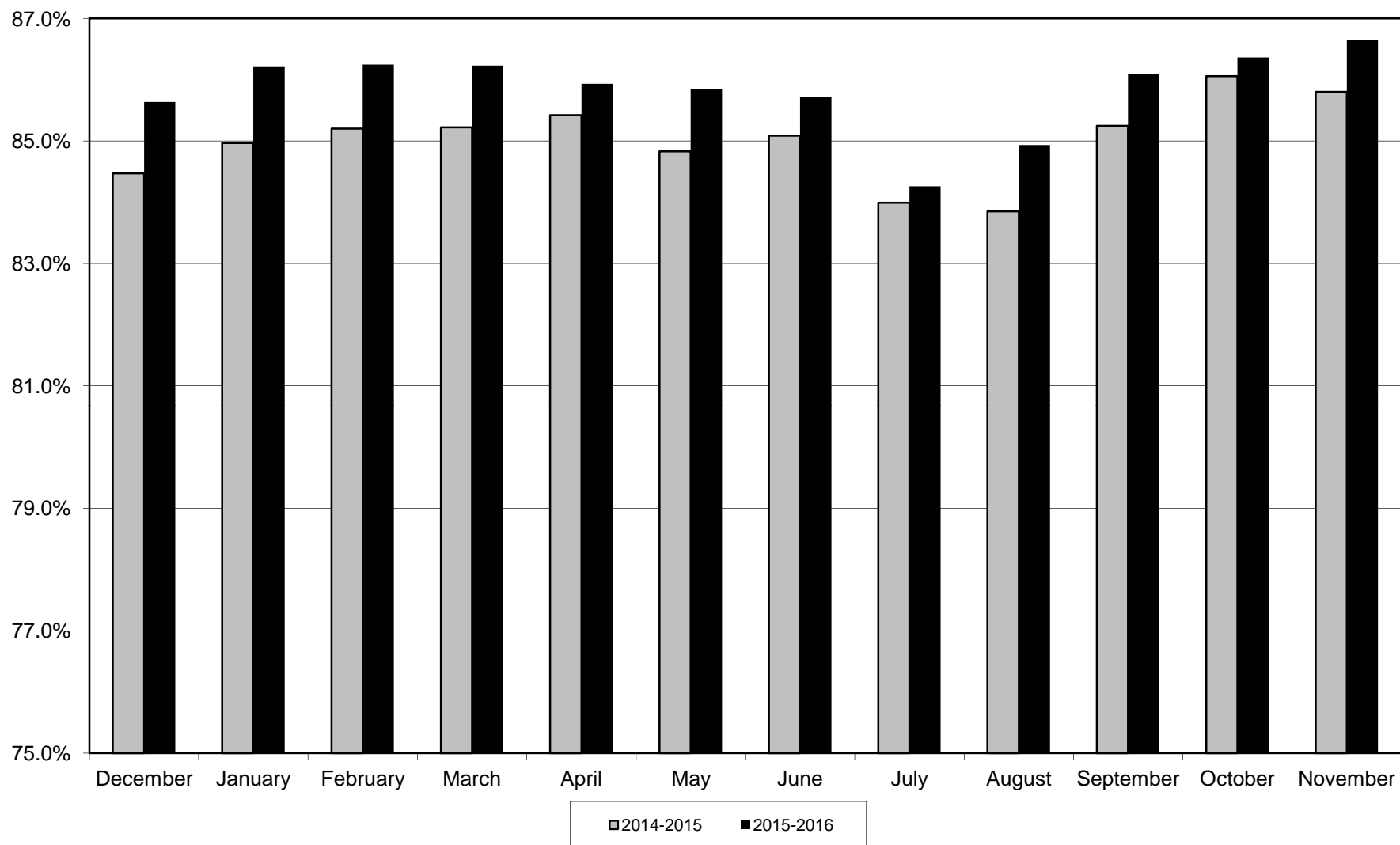
E-ZPass Tag Replacement Program				
	November 2016	YTD 2016	2011-2016	
Number of Replacement Tags Mailed	9,973	111,862	1,947,994	
Number of Tags Returned ¹³	9,265	113,061	1,911,828	
Number of Tags Pending Return	N/A	N/A	36,166	

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
December 2014 through November 2016**





Bridges and Tunnels

Financial Report November 2016



MTA BRIDGES & TUNNELS**STATEMENT OF NET POSITION****As of November 30, 2016**

(in thousands)

ASSETS AND DEFERRED OUTFLOWS OF RESOURCES**CURRENT ASSETS:**

Cash-Unrestricted	16,017
Investments:	
Unrestricted	175,662
Restricted	634,324
Accrued interest receivable	937
Accounts receivable	7,552
Tolls due from other agencies	31,992
Prepaid expenses	4,029
	<hr/>
Total current assets	870,512

NONCURRENT ASSETS:

Investments:	
Restricted	5
Insurance recovery receivable	126,325
Facilities, less acc.dep of \$1,292,984	5,067,253
Capital lease 2 Broadway net acc. dep.	40,075
Derivative Hedge Assets	3,580
Security Deposits	15,850
	<hr/>
Total noncurrent assets	5,253,088

TOTAL ASSETS:

6,123,600**DEFERRED OUTFLOWS OF RESOURCES:**

Deferred outflows of resources related to Pension	63,832
Accumulated decreases in fair value of derivative instruments	160,954
Defeasance costs	157,869
	<hr/>

TOTAL DEFERRED OUTFLOWS OF RESOURCES:

382,655**TOTAL ASSETS AND DEFERRED OUTFLOWS
OF RESOURCES**

6,506,255

MTA BRIDGES & TUNNELS
STATEMENT OF NET POSITION

As of November 30, 2016

(in thousands)

LIABILITIES AND INFLOWS OF RESOURCES

CURRENT LIABILITIES:

Current portion-long term debt	77,295
Interest Payable	35,876
Accounts Payable	106,016
Accrued Pension Payable	18,144
Payable to MTA-CAP	145,371
Due to MTA-Operating Expenses	2,372
Due to NYCTA-Operating Expenses	1,097
Accrued salaries	18,923
Accrued Vac & Sick Benefits	17,840
Current portion of estimated liability arising from injury	3,537
Current portion of capital lease obligation	0
Pollution remediation projects	1,829
Due to New York City Transit Authority	57,954
Due to Metropolitan Transportation Authority	78,490
Unredeemed Tolls	149,917
Tolls due to other agencies	50,533
E-ZPass Airport Toll Liability	4,680
	<hr/>
Total current liabilities	769,874

NONCURRENT LIABILITIES:

Long term debt	8,939,245
Post Employment Benefits Other than Pensions	635,192
Estimated liability arising from injury	35,579
Capital lease obligations	38,398
Derivative Hedge Liabilities	165,166
Net Pension Liability	243,901
Security deposits-Contra	15,850
	<hr/>
Total noncurrent liabilities	10,073,331

DEFERRED INFLOW OF RESOURCES

Deferred Inflow of resources related to Pension	48,006
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**TOTAL LIABILITIES AND DEFERRED INFLOWS OF
RESOURCES**

10,891,211

NET POSITION

-4,384,956 *

**TOTAL LIABILITIES, DEFERRED INFLOWS OF
RESOURCES & NET POSITION**

6,506,255

*The negative Net Position of \$4,384,956 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 - 2016 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER 2016
(\$ 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	154.020	156.763	2.743	1.8	0.000	0.000	0.000	-	154.020	156.763	2.743	1.8
Other Operating Revenue	1.912	3.219	1.307	68.4	0.000	0.000	0.000	-	1.912	3.219	1.307	68.4
Capital & Other Reimbursements	0.000	0.000	0.000	-	2.149	1.497	(0.652)	(30.3)	2.149	1.497	(0.652)	(30.3)
Investment Income	0.037	0.081	0.044	*	0.000	0.000	0.000	-	0.037	0.081	0.044	*
Total Revenue	\$155.969	\$160.063	\$4.094	2.6	\$2.149	\$1.497	(\$0.652)	(30.3)	\$158.118	\$161.560	\$3.442	2.2
Expenses												
<i>Labor:</i>												
Payroll	\$11.239	\$9.768	\$1.472	13.1	\$0.950	\$0.558	\$0.392	41.2	\$12.189	\$10.326	\$1.863	15.3
Overtime	2.413	1.834	0.579	24.0	0.172	0.142	0.030	17.6	2.585	1.976	0.610	23.6
Health and Welfare	2.466	2.304	0.162	6.6	0.244	0.127	0.117	47.9	2.709	2.431	0.279	10.3
OPEB Current Payment	1.473	1.511	(0.037)	(2.5)	0.000	0.000	0.000	-	1.473	1.511	(0.037)	(2.5)
Pensions	3.350	3.486	(0.137)	(4.1)	0.286	0.149	0.137	47.9	3.635	3.635	(0.000)	(0.0)
Other Fringe Benefits	0.939	0.741	0.198	21.1	0.138	0.072	0.066	47.8	1.077	0.813	0.264	24.5
Reimbursable Overhead	(0.360)	(0.449)	0.089	24.7	0.360	0.449	(0.089)	(24.7)	0.000	0.000	0.000	-
Total Labor Expenses	\$21.520	\$19.194	\$2.325	10.8	\$2.149	\$1.497	\$0.652	30.3	\$23.669	\$20.691	\$2.977	12.6
<i>Non-Labor:</i>												
Electric Power	\$0.382	\$0.282	\$0.101	26.3	\$0.000	\$0.000	\$0.000	-	\$0.382	\$0.282	\$0.101	26.3
Fuel	0.160	0.080	0.080	50.2	0.000	0.000	0.000	-	0.160	0.080	0.080	50.2
Insurance	1.220	0.983	0.236	19.4	0.000	0.000	0.000	-	1.220	0.983	0.236	19.4
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	9.943	8.647	1.296	13.0	0.000	0.000	0.000	-	9.943	8.647	1.296	13.0
Professional Service Contracts	2.923	1.631	1.292	44.2	0.000	0.000	0.000	-	2.923	1.631	1.292	44.2
Materials & Supplies	0.396	0.220	0.176	44.5	0.000	0.000	0.000	-	0.396	0.220	0.176	44.5
Other Business Expenses	2.256	2.537	(0.281)	(12.5)	0.000	0.000	0.000	-	2.256	2.537	(0.281)	(12.5)
Total Non-Labor Expenses	\$17.281	\$14.379	\$2.902	16.8	\$0.000	\$0.000	\$0.000	-	\$17.281	\$14.379	\$2.902	16.8
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.	\$38.801	\$33.574	\$5.227	13.5	\$2.149	\$1.497	\$0.652	30.3	\$40.950	\$35.071	\$5.879	14.4
Depreciation	\$10.092	\$8.828	\$1.264	12.5	\$0.000	\$0.000	\$0.000	-	10.092	\$8.828	\$1.264	12.5
OPEB Obligation	5.558	5.558	0.000	0.0	0.000	0.000	0.000	-	5.558	5.558	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.	\$54.452	\$47.960	\$6.492	11.9	\$2.149	\$1.497	\$0.652	30.3	\$56.601	\$49.457	\$7.144	12.6
Less: Depreciation	\$10.092	\$8.828	\$1.264	12.5	\$0.000	\$0.000	\$0.000	-	\$10.092	\$8.828	\$1.264	12.5
Less: OPEB Obligation	5.558	5.558	0.000	0.0	0.000	0.000	0.000	-	5.558	5.558	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	\$38.801	\$33.574	\$5.227	13.5	\$2.149	\$1.497	\$0.652	30.3	\$40.950	\$35.071	\$5.879	14.4
Net Surplus/(Deficit)	\$117.168	\$126.489	\$9.321	8.0	\$0.000	\$0.000	\$0.000	-	\$117.168	\$126.489	\$9.321	8.0

Differences are due to rounding.

*Variance exceeds 100%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2016 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER 2016
(\$ 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)									\$117.168	\$126.489	\$9.321	8.0
Less: Capitalized Assets									2.774	0.107	2.667	96.1
Reserves									2.240	2.240	0.000	0.0
GASB Reserves									0.000	0.000	0.000	-
Adjusted Net Income/(Deficit)									\$112.153	\$124.142	\$11.988	10.7
Less: Debt Service									54.530	53.142	1.388	2.5
Income Available for Distribution									\$57.624	\$71.000	\$13.376	23.2
Distributable To:												
MTA - Investment Income									0.037	0.081	0.044	*
MTA - Distributable Income									33.015	40.452	7.437	22.5
NYCTR - Distributable Income									24.572	30.466	5.895	24.0
Total Distributable Income									\$57.624	\$71.000	\$13.376	23.2
<u>Support to Mass Transit:</u>												
Total Revenues									158.118	161.560	3.442	2.2
Less: Total Operating Expenses									<u>40.950</u>	<u>35.071</u>	<u>5.879</u>	14.4
Net Operating Income/(Deficit)									\$117.168	\$126.489	\$9.321	8.0
Deductions from Net Operating Income:												
Capitalized Assets									2.774	0.107	2.667	96.1
Reserves									2.240	2.240	0.000	0.0
B&T Debt Service									25.881	21.316	4.566	17.6
GASB Reserves									0.000	0.000	0.000	-
Total Deductions From Operating Income									\$30.896	\$23.663	\$7.233	23.4
Total Support to Mass Transit									\$86.272	\$102.826	\$16.554	19.2

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

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2016 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER 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	1,714.615	1,721.977	7.361	0.4	0.000	0.000	0.000	-	1,714.615	1,721.977	7.361	0.4
Other Operating Revenue	24.663	28.634	3.972	16.1	0.000	0.000	0.000	-	24.663	28.634	3.972	16.1
Capital & Other Reimbursements	0.000	0.000	0.000	-	21.001	17.520	(3.481)	(16.6)	21.002	17.520	(3.482)	(16.6)
Investment Income	0.389	0.564	0.175	44.9	0.000	0.000	0.000	-	0.389	0.564	0.175	44.9
Total Revenue	\$1,739.667	\$1,751.175	\$11.508	0.7	\$21.001	\$17.520	(\$3.481)	(16.6)	\$1,760.670	\$1,768.695	\$8.026	0.5
Expenses												
<i>Labor:</i>												
Payroll	\$116.991	\$107.867	\$9.124	7.8	\$8.873	\$6.769	\$2.104	23.7	\$125.864	\$114.636	\$11.228	8.9
Overtime	23.400	21.713	1.688	7.2	1.386	1.056	0.330	23.8	24.786	22.769	2.018	8.1
Health and Welfare	25.083	22.862	2.221	8.9	2.183	1.538	0.645	29.5	27.266	24.400	2.866	10.5
OPEB Current Payment	16.324	16.797	(0.474)	(2.9)	0.000	0.000	0.000	-	16.324	16.797	(0.474)	(2.9)
Pensions	38.492	39.253	(0.761)	(2.0)	2.561	1.804	0.757	29.6	41.053	41.057	(0.004)	(0.0)
Other Fringe Benefits	15.280	14.544	0.737	4.8	1.235	0.870	0.365	29.6	16.515	15.414	1.102	6.7
Reimbursable Overhead	(4.763)	(5.483)	0.720	15.1	4.763	5.483	(0.720)	(15.1)	0.000	0.000	0.000	-
Total Labor Expenses	\$230.807	\$217.552	\$13.255	5.7	\$21.001	\$17.520	\$3.481	16.6	\$251.808	\$235.072	\$16.736	6.6
<i>Non-Labor:</i>												
Electric Power	\$4.652	\$5.542	(\$0.890)	(19.1)	\$0.000	\$0.000	\$0.000	-	\$4.652	\$5.542	(\$0.890)	(19.1)
Fuel	1.539	1.006	0.532	34.6	0.000	0.000	0.000	-	1.539	1.006	0.532	34.6
Insurance	13.068	12.837	0.230	1.8	0.000	0.000	0.000	-	13.068	12.837	0.230	1.8
Claims	0.006	0.046	(0.040)	*	0.000	0.000	0.000	-	0.006	0.046	(0.040)	*
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	115.151	104.545	10.605	9.2	0.000	0.000	0.000	-	115.151	104.545	10.605	9.2
Professional Service Contracts	32.808	27.891	4.918	15.0	0.000	0.000	0.000	-	32.808	27.891	4.918	15.0
Materials & Supplies	3.796	3.173	0.622	16.4	0.000	0.000	0.000	-	3.796	3.173	0.622	16.4
Other Business Expenses	26.798	28.703	(1.905)	(7.1)	0.000	0.000	0.000	-	26.798	28.703	(1.905)	(7.1)
Total Non-Labor Expenses	\$197.816	\$183.744	\$14.072	7.1	\$0.000	\$0.000	\$0.000	-	\$197.816	\$183.744	\$14.072	7.1
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.	\$428.623	\$401.296	\$27.327	6.4	\$21.001	\$17.520	\$3.481	16.6	\$449.624	\$418.816	\$30.808	6.9
Depreciation	\$109.429	\$101.776	\$7.653	7.0	\$0.000	\$0.000	\$0.000	-	\$109.429	\$101.776	\$7.653	7.0
OPEB Obligation	61.733	61.731	0.002	0.0	0.000	0.000	0.000	-	\$61.733	61.731	0.002	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.	\$599.784	\$564.802	\$34.982	5.8	\$21.001	\$17.520	\$3.481	16.6	\$620.785	\$582.322	\$38.463	6.2
Less: Depreciation	\$109.429	\$101.776	\$7.653	7.0	\$0.000	\$0.000	\$0.000	-	\$109.429	\$101.776	\$7.653	7.0
Less: OPEB Obligation	61.733	61.731	0.002	0.0	0.000	0.000	0.000	-	61.733	61.731	0.002	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	\$428.623	\$401.296	\$27.327	6.4	\$21.001	\$17.520	\$3.481	16.6	\$449.624	\$418.816	\$30.808	6.9
Net Surplus/(Deficit)	\$1,311.044	\$1,349.880	\$38.835	3.0	\$0.000	\$0.000	\$0.000	-	\$1,311.045	\$1,349.880	\$38.834	3.0

Differences are due to rounding.

*Variance exceeds 100%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2016 MID-YEAR FORECAST
ACCRUAL STATEMENT of OPERATIONS by CATEGORY
NOVEMBER Year-To-Date
(\$ 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)									\$1,311.045	\$1,349.880	\$38.834	3.0
Less: Capitalized Assets									22.851	14.066	\$8.784	38.4
Reserves									24.641	24.641	0.000	0.0
GASB Reserves									0.000	0.000	0.000	-
Adjusted Net Income/(Deficit)									\$1,263.554	\$1,311.173	\$47.619	3.8
Less: Debt Service									592.578	589.994	2.583	0.4
Income Available for Distribution									\$670.976	\$721.178	\$50.202	7.5
Distributable To:												
MTA - Investment Income									0.389	0.564	0.175	44.9
MTA - Distributable Income									385.361	416.234	30.873	8.0
NYCTR - Distributable Income									285.226	304.380	19.154	6.7
Total Distributable Income									\$670.976	\$721.178	\$50.202	7.5
Support to Mass Transit:												
Total Revenues									1,760.670	1,768.695	8.026	0.5
Less: Total Operating Expenses									<u>449.624</u>	<u>418.816</u>	<u>30.808</u>	6.9
Net Operating Income/(Deficit)									\$1,311.045	\$1,349.880	\$38.834	3.0
Deductions from Net Operating Income:												
Capitalized Assets									22.851	14.066	8.784	38.4
Reserves									24.641	24.641	0.000	0.0
B&T Debt Service									261.784	238.084	23.699	9.1
GASB Reserves									0.000	0.000	0.000	-
Total Deductions From Operating Income									\$309.275	\$276.792	\$32.484	10.5
Total Support to Mass Transit									\$1,001.770	\$1,073.088	\$71.318	7.1

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 - 2016 MID-YEAR FORECAST
EXPLANATION OF VARIANCES BETWEEN FORECAST AND ACTUAL ACCRUAL BASIS
(\$ in millions)

Generic Revenue or Expense Category	Favorable/ (Unfavorable) Variance		November 2016	Favorable/ (Unfavorable) Variance		Year-to-Date
	\$	%	Reason for Variance	\$	%	Reason for Variance
Nonreimbursable						
Vehicle Toll Revenue	2.743	1.8%	Higher toll revenue due to a 2.2% higher average toll than forecast	7.361	0.4%	Higher toll revenue due to 0.4% higher traffic than forecast
Other Operating Revenue	1.307	68.4%	Higher Other Operating Revenue primarily due to higher E-ZPass administrative and other toll collection fees	3.972	16.1%	Higher Other Operating Revenue primarily due to higher E-ZPass administrative and other toll collection fees
Investment Income	0.044	117.8%	Minor variance	0.175	44.9%	Minor variance
Payroll	1.472	13.1%	Lower payroll expenses against the YTD forecast allocation primarily due to vacancies	9.124	7.8%	Lower payroll expenses against the YTD forecast allocation primarily due to vacancies
Overtime	0.579	24.0%	See overtime tables	1.688	7.2%	See overtime tables
Health and Welfare	0.162	6.6%	Lower expenses primarily due to vacancies and the timing of expenses against the monthly forecast allocation	2.221	8.9%	Lower expenses primarily due to vacancies and the timing of expenses against the YTD forecast allocation
OPEB Current Payment	(0.037)	-2.5%	Minor variance	(0.474)	-2.9%	Minor variance
Pensions	(0.137)	-4.1%	Higher non-reimbursable expenses due to lower capital reimbursement offsets. Total variance is minor for combined non-reimbursable and reimbursable expenses	(0.761)	-2.0%	Higher non-reimbursable expenses due to lower capital reimbursement offsets. Total variance is minor for combined non-reimbursable and reimbursable expenses
Other Fringe Benefits	0.198	21.1%	Lower expenses primarily due to vacancies	0.737	4.8%	Lower expenses primarily due to vacancies
Electric Power	0.101	26.3%	Lower electricity expenses primarily due to timing against the monthly forecast allocation	(0.890)	-19.1%	Higher electricity expenses primarily due to timing against the YTD forecast allocation
Fuel	0.080	50.2%	Lower fuel expenses primarily due to lower usage and timing against the monthly forecast allocation	0.532	34.6%	Lower fuel expenses primarily due to lower usage and timing against the YTD forecast allocation
Insurance	0.236	19.4%	Lower insurance expenses primarily due to timing against the monthly forecast allocation	0.230	1.8%	Lower insurance expenses primarily due to timing against the YTD forecast allocation
Maintenance and Other Operating Contracts	1.296	13.0%	Lower expenses primarily due to the timing of E-ZPass Customer Service Center expenses (\$0.482M), security and surveillance equipment (\$0.331M) and smaller under-runs across a variety of maintenance areas	10.605	9.2%	Lower expenses primarily due to the timing of E-ZPass Customer Service Center expenses (\$2.687M), security equipment and maintenance (\$2.550M), maintenance of E-ZPass equipment (\$0.796M) and numerous smaller under-runs across a variety of maintenance areas
Professional Service Contracts	1.292	44.2%	Lower expenses primarily due to the timing of Engineering Services (\$0.563M) and lower than forecast Bond Issuance costs (\$0.594M)	4.918	15.0%	Lower expenses primarily due lower than forecast Bond Issuance Costs (\$3.384M) and the timing of Engineering Services (\$0.886M)
Materials & Supplies	0.176	44.5%	Minor variance	0.622	16.4%	Minor variance
Other Business Expense	(0.281)	-12.5%	Higher expenses primarily due to the timing of Credit Card Fees against the monthly forecast allocation	(1.905)	-7.1%	Higher expenses primarily due to higher than YTD forecast Credit Card Fees
Depreciation	1.264	12.5%	Variance primarily due to the timing of accounting entries	7.653	7.0%	Variance primarily due to the timing of accounting entries
Other Post Employment Benefits	0.000	0.0%	No variance	0.002	0.0%	Minor variance
Reimbursable						
Capital and Other Reimbursements	(0.652)	-30.3%	Lower capital reimbursements against the monthly forecast allocation	(3.481)	-16.6%	Lower capital reimbursements against the YTD forecast allocation
Payroll	0.392	41.2%	Lower than planned reimbursable expenses against the monthly forecast allocation	2.104	23.7%	Lower than planned reimbursable expenses against the YTD forecast allocation
Overtime	0.030	17.6%	See overtime tables	0.330	23.8%	Lower than planned reimbursable expenses against the YTD forecast allocation
Health and Welfare	0.117	47.9%	Lower than planned reimbursable expenses against the monthly forecast allocation	0.645	29.5%	Lower than planned reimbursable expenses against the YTD forecast allocation
OPEB Current Payment	0.000	-	No variance	0.000	-	No variance
Pensions	0.137	47.9%	Lower than planned reimbursable expenses against the monthly forecast allocation	0.757	29.6%	Lower than planned reimbursable expenses against the YTD forecast allocation
Other Fringe Benefits	0.066	47.8%	Lower than planned reimbursable expenses against the monthly forecast allocation	0.365	29.6%	Lower than planned reimbursable expenses against the YTD forecast allocation
Reimbursable Overhead	(0.089)	-24.7%	Higher than planned reimbursable expenses against the monthly forecast allocation	(0.720)	-15.1%	Higher than planned reimbursable expenses against the YTD forecast allocation

MTA Bridges and Tunnels
July Financial Plan - 2016 Mid-Year Forecast
Non-Reimbursable/Reimbursable Overtime
(\$ in millions)

	November						November Year-to-Date					
	MidYear Forecast		Actuals		Var. - Fav./(Unfav)		MidYear Forecast		Actuals		Var. - Fav./(Unfav)	
	Hours	\$	Hours	\$	Hours	\$	Hours	\$	Hours	\$	Hours	\$
NON-REIMBURSABLE OVERTIME												
OPERATIONS & MAINTENANCE												
<u>Scheduled Service</u>	7,979	\$0.579	6,546	\$0.475	1,433 18.0%	\$0.104 18.0%	70,496	\$ 5.085	57,093	\$4.118	13,403 19.0%	\$0.967 19.0%
<u>Unscheduled Service</u>	128	\$0.011	13	\$0.001	115 89.8%	\$0.010 90.9%	973	\$ 0.152	465	\$0.071	508 52.2%	\$0.081 53.2%
<u>Programmatic/Routine Maintenance</u>	1,660	\$0.156	3,279	\$0.308	(1,619) -97.5%	(\$0.152) -97.3%	17,951	\$ 1.747	23,342	\$2.271	(5,391) -30.0%	(\$0.524) -30.0%
<u>Unscheduled Maintenance</u>	763	\$0.072	725	\$0.068	39 5.0%	\$0.004 5.2%	8,325	\$ 0.772	9,089	\$0.843	(764) -9.2%	(\$0.071) -9.2%
<u>Vacancy/Absentee Coverage</u>	12,411	\$0.960	16,630	\$1.286	(4,219) -34.0%	(\$0.326) -34.0%	158,465	\$ 11.894	190,784	\$14.319	(32,319) -20.4%	(\$2.425) -20.4%
<u>Weather Emergencies</u>	1,376	\$0.110	1	\$0.000	1,375 99.9%	\$0.110 100.0%	11,037	\$ 0.872	11,331	\$0.895	(294) -2.7%	(\$0.023) -2.6%
<u>Safety/Security/Law Enforcement</u>	3,218	\$0.242	1,703	\$0.128	1,515 47.1%	\$0.114 47.1%	25,671	\$ 1.921	16,054	\$1.201	9,618 37.5%	\$0.720 37.5%
<u>Other</u>	188	\$0.018	108	\$0.010	81 42.8%	\$0.008 43.4%	1,635	\$ 0.155	611	\$0.058	1,024 62.6%	\$0.097 62.7%
<u>*All Other Departments and Accruals</u>		\$0.266		(\$0.442)		\$0.708 **		\$0.802		(\$2.063)		\$2.865 **
Subtotal	27,723	\$2.413	29,004	\$1.834	(1,281) -4.6%	\$0.579 24.0%	294,552	\$23.400	308,767	\$21.713	(14,215) -4.8%	\$1.688 7.2%
REIMBURSABLE OVERTIME	2,612	\$0.172	2,302	\$0.142	310 11.9%	\$0.030 17.6%	21,305	\$1.386	15,923	\$1.056	5,382 25.3%	\$0.330 23.8%
TOTAL OVERTIME	30,335	\$2.585	31,306	\$1.976	(971) -3.2%	\$0.610 23.6%	315,856	\$24.786	324,690	\$22.769	(8,834) -2.8%	\$2.018 8.1%

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
July Financial Plan - 2016 Mid-Year Forecast
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>	1,433 18.0%	\$0.104 18.0%	Lower than planned expenses	13,403 19.0%	\$0.967 19.0%	Lower than planned expenses
<u>Unscheduled Service</u>	115 89.8%	\$0.010 90.9%	Minor variance	508 52.2%	\$0.081 53.2%	Lower than planned expenses
<u>Programmatic/Routine Maintenance</u>	(1,619) -97.5%	(\$0.152) -97.3%	Higher than planned expenses	(5,391) -30.0%	(\$0.524) -30.0%	Higher than planned expenses
<u>Unscheduled Maintenance</u>	39 5.0%	\$0.004 5.2%	Minor variance	(764) -9.2%	(\$0.071) -9.2%	Higher than planned expenses
<u>Vacancy/Absentee Coverage</u>	(4,219) -34.0%	(\$0.326) -34.0%	Higher than planned expenses	(32,319) -20.4%	(\$2.425) -20.4%	Higher than planned expenses
<u>Weather Emergencies</u>	1,375 99.9%	\$0.110 100.0%	Minor variance	(294) -2.7%	(\$0.023) -2.6%	Higher than planned expenses primarily due to Tropical Storm Hermine
<u>Safety/Security/Law Enforcement</u>	1,515 47.1%	\$0.114 47.1%	Lower than planned expenses	9,618 37.5%	\$0.720 37.5%	Lower than planned expenses
<u>Other</u>	81 42.8%	\$0.008 43.4%	Minor variance	1,024 62.6%	\$0.097 62.7%	Lower than planned expenses
<u>*All Other Departments and Accruals</u>		\$0.708 **	Primarily due to adjustments for the 28-day OT payroll lag		\$2.865 **	Primarily due to adjustments for the 28-day OT payroll lag
Subtotal	(1,281) -4.6%	\$0.579 24.0%		(14,215) -4.8%	\$1.688 7.2%	
REIMBURSABLE OVERTIME	310 11.9%	\$0.030 17.6%	Primarily due to the timing of billing for projects eligible for reimbursement from the capital program	5,382 25.3%	\$0.330 23.8%	Primarily due to the timing of billing for projects eligible for reimbursement from the capital program
TOTAL OVERTIME	(971)	\$0.610		(8,834)	\$2.018	

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
2016 Overtime Reporting
Overtime Legend

OVERTIME DECOMPOSITION LEGEND DEFINITIONS

<u>Type</u>	<u>Definition</u>
<i>Scheduled Service</i>	Crew book/Regular Run/Shift hours (above 8 hours) required by train crews, bus/tower/block operators, transportation supervisors/dispatchers, fare sales and collection, Train & Engineers, as well as non-transportation workers whose work is directly related to providing service (includes coverage for holidays).
<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>Program Maintenance</i> work for which overtime is planned (e.g. Railroad Tie Replacement, Sperry Rail Testing, Running Board Replacement Programs). This also includes <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 trains, buses, subway and bus stations, depots, tracks and administrative and other facilities, including derailments, tour length and weekend coverage.
<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, hurricane, 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 MTA fleet facilities, transportation routes, 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 NovemberYear to date ending November 2016**Comparison Current Year vs. Prior Year:**

<u>Prior Year</u>		<u>Current Year</u>		<u>Percentage Change</u>			<u>Prior Year*</u>		<u>Current Year</u>		<u>Percentage Change</u>	
<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>		<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>
3.6	\$25.0	3.8	\$26.5	5.9%	5.7%	Bronx-Whitestone	38.4	\$268.2	42.0	\$294.0	9.4%	9.6%
0.6	1.3	0.6	1.4	3.4%	3.8%	Cross Bay	7.3	16.1	7.6	17.0	4.6%	5.6%
2.0	6.3	2.1	6.7	5.3%	7.1%	Henry Hudson	21.2	65.1	22.6	70.1	6.7%	7.7%
1.5	9.0	1.4	8.7	-3.8%	-3.6%	Hugh L. Carey	16.1	97.5	16.5	100.5	2.5%	3.1%
0.6	1.3	0.6	1.3	1.3%	0.8%	Marine Parkway	7.1	15.5	7.3	16.0	2.3%	2.6%
2.4	15.2	2.0	12.6	-17.2%	-17.2%	Queens Midtown	26.3	167.1	24.9	158.9	-5.4%	-4.9%
2.4	17.9	2.5	18.3	3.2%	2.2%	RFK - Bronx	27.2	199.7	27.4	202.1	0.9%	1.2%
2.7	17.2	2.7	17.2	0.2%	0.1%	RFK - Manhattan	29.9	187.5	30.3	190.5	1.3%	1.6%
3.5	27.2	3.6	27.9	1.7%	2.7%	Throgs Neck	38.7	297.1	39.7	307.9	2.7%	3.6%
5.5	30.6	5.7	36.2	5.0%	18.2%	Verrazano-Narrows	60.4	339.8	63.8	365.1	5.6%	7.4%
24.8	\$151.0	25.1	\$156.8	1.2%	3.8%	Total	272.6	\$1,653.6	282.1	\$1,722.0	3.5%	4.1%
	\$6.088		\$6.246		2.6%	Revenue Per Vehicle		\$6.066		\$6.104		0.6%

Note: Numbers may not add due to rounding.

*Toll increase implemented March 22, 2015

Comparison Actual vs. Mid-Year Forecast:

<u>Mid-Year Forecast</u>		<u>Nov Actual</u>		<u>Percentage Change</u>			<u>Mid-Year Forecast</u>		<u>YTD Actual</u>		<u>Percentage Change</u>	
<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>		<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>	<u>Traffic</u>	<u>Revenue</u>
25.2	154.0	25.1	156.8	-0.4%	1.8%	Total All	280.9	\$1,714.6	282.1	\$1,722.0	0.4%	0.4%
	\$6.114		\$6.246		2.2%	Revenue Per Vehicle		\$6.104		\$6.104		0.0%

MTA BRIDGES AND TUNNELS
JULY FINANCIAL PLAN - 2016 MID-YEAR FORECAST
TOTAL POSITIONS BY FUNCTION AND DEPARTMENT
NON-REIMBURSABLE/REIMBURSABLE and FULL-TIME POSITIONS/FULL-TIME EQUIVALENTS
November 2016

Department	Mid-Year Forecast	Actual	Favorable (Unfavorable) Variance	Explanation of Variances
Administration				
Executive	8	5	3	4 Professional vacancies and 1 Managerial overage
Law ⁽¹⁾	13	12	1	1 Professional vacancy
CFO ⁽²⁾	25	23	2	4 Managerial vacancies and 2 Professional overages
Administration ⁽³⁾	37	40	(3)	1 Managerial and 2 Professional overages
EEO	2	1	1	1 Managerial vacancy
Total Administration	85	81	4	
Operations				
Revenue Management	43	39	4	1 Managerial vacancy, 2 Professional vacancies and 1 BTO vacancy
Operations (Non-Security)	716	485	231	176 BTO vacancies, 54 Managerial vacancies and 1 Professional vacancy
Total Operations	759	524	235	
Maintenance				
Maintenance	197	195	2	1 Managerial and 1 Professional vacancy
Operations - Maintainers	181	176	5	5 Maintainer vacancies
Total Maintenance	378	371	7	
Engineering/Capital				
Engineering & Construction	190	163	27	14 Managerial and 13 Professional vacancies
Safety & Health	10	8	2	1 Managerial and 1 Professional vacancy
Law ⁽¹⁾	24	19	5	2 Managerial and 3 Professional vacancies
CFO-Planning & Budget Capital	29	18	11	3 Managerial and 8 Professional vacancies
Total Engineering/Capital	253	208	45	
Public Safety				
Operations (Security)	232	232	-	
Internal Security - Operations	43	39	4	2 Managerial and 2 Professional vacancies
Total Public Safety	275	271	4	
Total Positions	1,750	1,455	295	
Non-Reimbursable	1,663	1,368	295	
Reimbursable	87	87	-	
Total Full-Time	1,750	1,455	295	

(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 - 2016 MID-YEAR FORECAST
TOTAL POSITIONS BY FUNCTION AND OCCUPATION
FULL-TIME POSITIONS and FULL-TIME EQUIVALENTS
November 2016

	Mid-Year Forecast	Actual	Favorable (Unfavorable) Variance	Explanation of Variances
Administration				
Managers/Supervisors	31	28	3	4 vacancies in CFO, 1 vacancy in EEO, 1 overage in Administration and 1 in Executive
Professional, Technical, Clerical	54	53	1	4 vacancies in CFO, 1 vacancy in Law, 2 overages in CFO and 2 overages in Administration
Operational Hourlies	-	-	-	
Total Administration	85	81	4	
Operations				
Managers/Supervisors	215	160	55	54 vacancies in Operations and 1 in Revenue Management/
Professional, Technical, Clerical	35	32	3	2 vacancies in Revenue Management and 1 vacancy in Operations
Operational Hourlies ⁽¹⁾	509	332	177	176 BTO vacancies in Operations and 1 BTO vacancy in Revenue Management
Total Operations	759	524	235	
Maintenance				
Managers/Supervisors	18	17	1	1 vacancy in Maintenance
Professional, Technical, Clerical	19	18	1	1 vacancy in Maintenance
Operational Hourlies ⁽²⁾	341	336	5	5 Maintainer vacancies in Operations
Total Maintenance	378	371	7	
Engineering/Capital				
Managers/Supervisors	60	40	20	14 vacancies in Engineering, 3 in CFO, 2 in Law, and 1 vacancy in Safety and Health
Professional, Technical, Clerical	193	168	25	13 vacancies in Engineering, 8 in CFO, 3 in Law, and 1 vacancy in Safety and Health
Operational Hourlies	-	-	-	
Total Engineering/Capital	253	208	45	
Public Safety				
Managers/Supervisors	46	44	2	2 vacancies in Internal Security
Professional, Technical, Clerical	33	31	2	2 vacancies in Internal Security
Operational Hourlies ⁽³⁾	196	196	-	
Total Public Safety	275	271	4	
Total Positions				
Managers/Supervisors	370	289	81	
Professional, Technical, Clerical	334	302	32	
Operational Hourlies	1,046	864	182	
Total Positions	1,750	1,455	295	

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

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

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

MTA BRIDGES AND TUNNELS
MID-YEAR FORECAST AND NOVEMBER FORECAST vs. ACTUAL RESULTS (NON-REIMBURSABLE)
NOVEMBER 2016 YEAR-TO-DATE
(\$ in millions)

	November Year-to-Date			Favorable(Unfavorable) Variance			
	Mid-Year Forecast	November Forecast	Actual	Mid-Year Forecast		November Forecast	
	\$	\$	\$	\$	%	\$	%
Total Revenue	1,739.667	1,748.373	1,751.175	11.508	0.7	2.802	0.2
Investment Income	0.389	0.421	0.564	0.175	44.9	0.144	34.1
Total Revenue without Investment Income	1,739.278	1,747.953	1,750.611	11.333	0.7	2.658	0.2
Total Expenses before Non-Cash Liability Adjs	428.623	412.466	401.296	27.327	6.4	11.170	2.7
Depreciation	109.429	109.429	101.776	7.653	7.0	7.653	7.0
Other Post-Employment Benefits	61.733	61.733	61.731	0.002	0.0	0.002	0.0
Environmental Remediation	0.000	0.000	0.000	0.000		0.000	
Total Expenses after Non-Cash Liability Adjs	599.784	583.627	564.802	34.982	5.8	18.825	3.2
Less: Depreciation	109.429	109.429	101.776	7.653	7.0	7.653	7.0
Less: Other Post-Employment Benefits	61.733	61.733	61.731	0.002	0.0	0.002	0.0
Total Expenses	428.623	412.466	401.296	27.327	6.4	11.170	2.7
Net Income/(Deficit)	1,311.044	1,335.907	1,349.880	38.835	3.0	13.973	1.0
Net Income without Investment Income	1,310.655	1,335.486	1,349.315	38.661	2.9	13.829	1.0

Note: Totals may not add due to rounding

MTA BRIDGES AND TUNNELS
EXPLANATION OF VARIANCES BETWEEN NOVEMBER FORECAST AND ACTUAL RESULTS
NON-REIMBURSABLE
NOVEMBER 2016 YEAR-TO-DATE
(\$ in millions)

	Favorable/(Unfavorable)		Variance Explanation
	<u>Variance</u>	<u>Percent</u>	
Total Revenue	\$2.802	0.2	Primarily due to higher than forecast E-ZPass administrative fee income
Total Expenses	\$11.170	2.7	Primarily due to vacancies, lower overtime and the timing of maintenance and other operating contracts

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



Bridges and Tunnels

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Capital Program Project Status Report December 2016

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
STATUS REPORT
DECEMBER 31, 2016

Introduction

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

2016 Overview

In 2016, Bridges and Tunnels made 93 commitments at a value of \$287.3 million against the approved plan calling for 76 commitments with a total value of \$105.5 million (272.3% of the plan). (See Attachment 1, 2016 Commitment Chart). In addition, all 10 commitments totaling \$43M have been made from the 2015 plan as previously reported. In total, \$330.3 million in commitments have been made this year.

The increase of \$181.8 million above the plan was primarily due to unplanned and accelerated commitments from the 2015-2019 Capital Program for the Governor's Initiative of Open Road Tolling (ORT), and against the 2010-2014 Superstorm Sandy Restoration and Mitigation Programs. The following related major projects were awarded:

- D703AW63, Replace Toll Equipment and New Toll Initiatives-\$64.7 million
- ED010228, Restore Hugh L Carey Tunnel, Structure-Construction-\$26.1million
- ED010241, Restore Queens Midtown Tunnel, Structure-Construction-\$24.6 million
- ED010301, Hugh L Carey Tunnel, Mitigation- Perimeter Work Design/Build-\$32.3 million
- ED010304, Queens Midtown Tunnel, Mitigation-Flood Gates Design/Build-\$23.8 million

The table below summarizes the 2016 Commitments versus the approved Plan:

MTA BRIDGES AND TUNNELS				
2016 MILESTONE PERFORMANCE - COMMITMENTS				
Actual 2016 Commitments of \$287.3M were above the Approved Plan by \$181.8M				
(\$ in Millions)				
	2010- 2014 Program	2010- 2014 Sandy Programs	2015- 2019 Program	Total All Programs
2016 Planned Commitments	\$2.2	\$0.2	\$103.1	\$105.5
Commitments not made - Deferred	(\$1.9)	\$0.0	(\$42.3)	(\$44.2)
Decrease in Commitments - Low Bids	(\$0.0)	\$0.0	(\$6.5)	(\$6.5)
Increase in Commitments - High Bids	\$0.1	\$0.0	\$0.5	\$0.6
Increase in Commitments - Projects Added	\$0.8	\$128.2	\$110.8	\$239.8
Decrease in Commitments - Decreased Scope	\$0.0	\$0.0	(\$7.9)	(\$7.9)
Actual Commitments vs. Plan	(\$1.0)	\$128.2	\$54.6	\$181.8
2016 Actual Commitments	\$1.3	\$128.4	\$157.6	\$287.3

In 2016, Bridges and Tunnels realized 10 project completions with a total value of \$158.1 million against a plan calling for 10 project completions with a value of \$146.4 million (108% of the Plan). Major projects completed this year include:

- G5140108, Throgs Neck Integrated Electronic Security-\$20.4 million
- D601TN52, Miscellaneous Structural Rehabilitation (phased)-\$19.1 million
- D604VN87, Substation#1 Rehabilitation -\$16.6 million
- D602HH88, HH88A-Replace Upper and Lower Level Plaza and South bound Approach-\$50.2 million
- D602RK65, RK65R3-Training Facility-\$17.4 million

In 2016, Bridges and Tunnels accomplished \$206.8 million in task level closeouts (110 tasks).

December 2016

Commitments

In December, 18 commitments with a total value of \$70.2 million were awarded from the 2016 plan (*See Attachment 1, 2016 Commitment Chart; Attachment 7 – 2016 Commitment Plan*). The most notable commitments made in December were:

- ED010301,ED010304, ED050303:
 - TUN-MIT-01:Design Build contract for Hugh L. Carey Tunnel, Mitigation-Perimeter Work, Queens Midtown Tunnel, Mitigation-Flood Gates, and Governor's Island Vent Building Mitigation-Raise Seawall-\$64.5M

Completions

There was one project completed in December (D602HH88) for \$50.2 million (*See Attachment 3 - 2016 Completion Chart; Attachment 4 – 2016 Major Project Completions; Attachment 5 - 2016 Project Completion Plan; Attachment 10 – 2015 Completion Plan*).

Closeouts

There were 8 task level closeouts in December for \$9.8 million. (*See Attachment 6 – 2016 Task Level Closeouts*).

Award Date Changes for Remaining Commitments

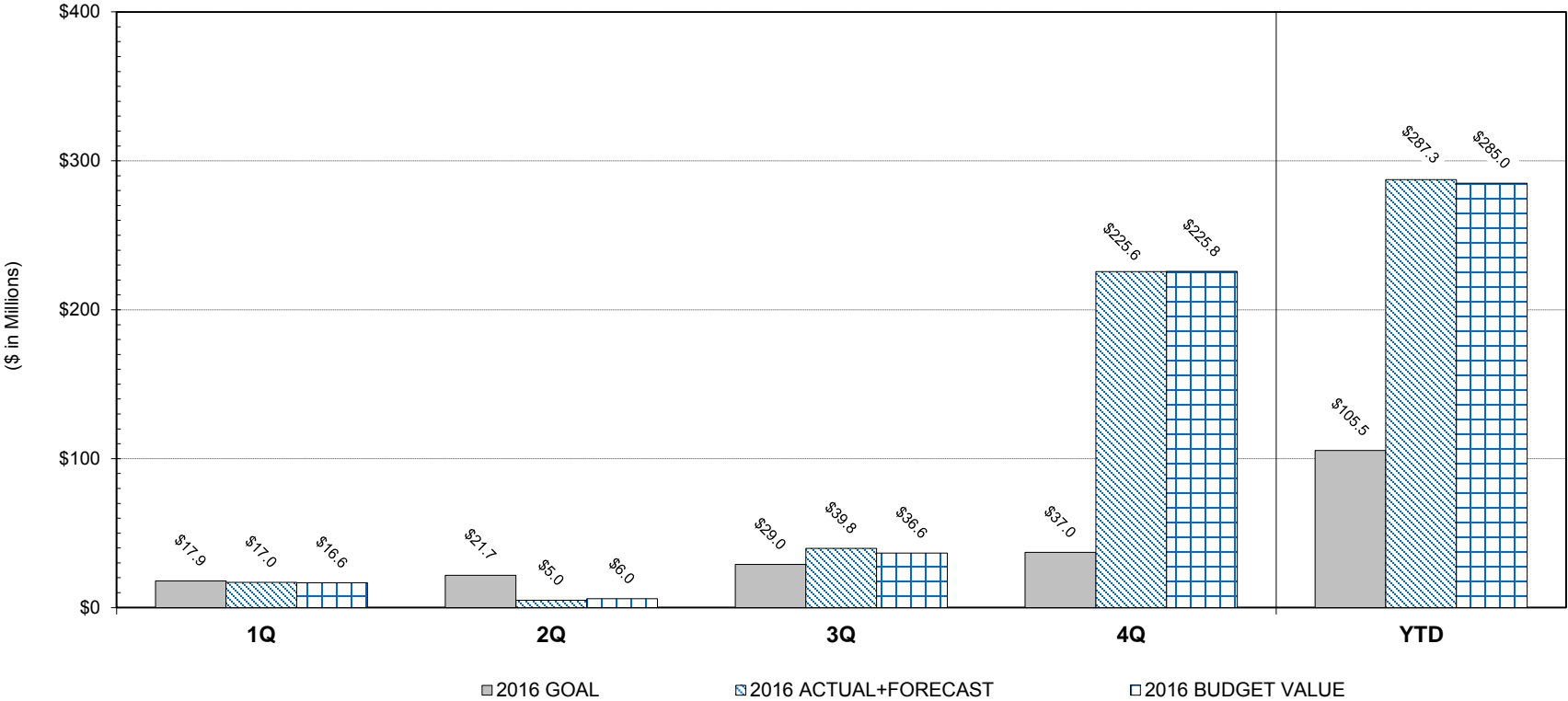
The Design-Build contract under Project D704RK21, Installation of Fire Standpipe & Upgrade of Fire Protection System, planned for award in December is forecast for award in February 2017.

Completion Date Changes for Remaining Projects

There were no completion date changes this month.

MTA Bridges and Tunnels
Commitments as of December 31, 2016

2016 Budget Goal:	\$105.5	
2016 Annual Forecast	\$0.0	
YTD Goal:	\$105.5	
YTD Actual:	\$287.3	(272.3% of YTD Goal)
YTD Budgeted Value:	\$285.0	(270.1% of YTD Goal)
Left to Commit:	\$0.0	

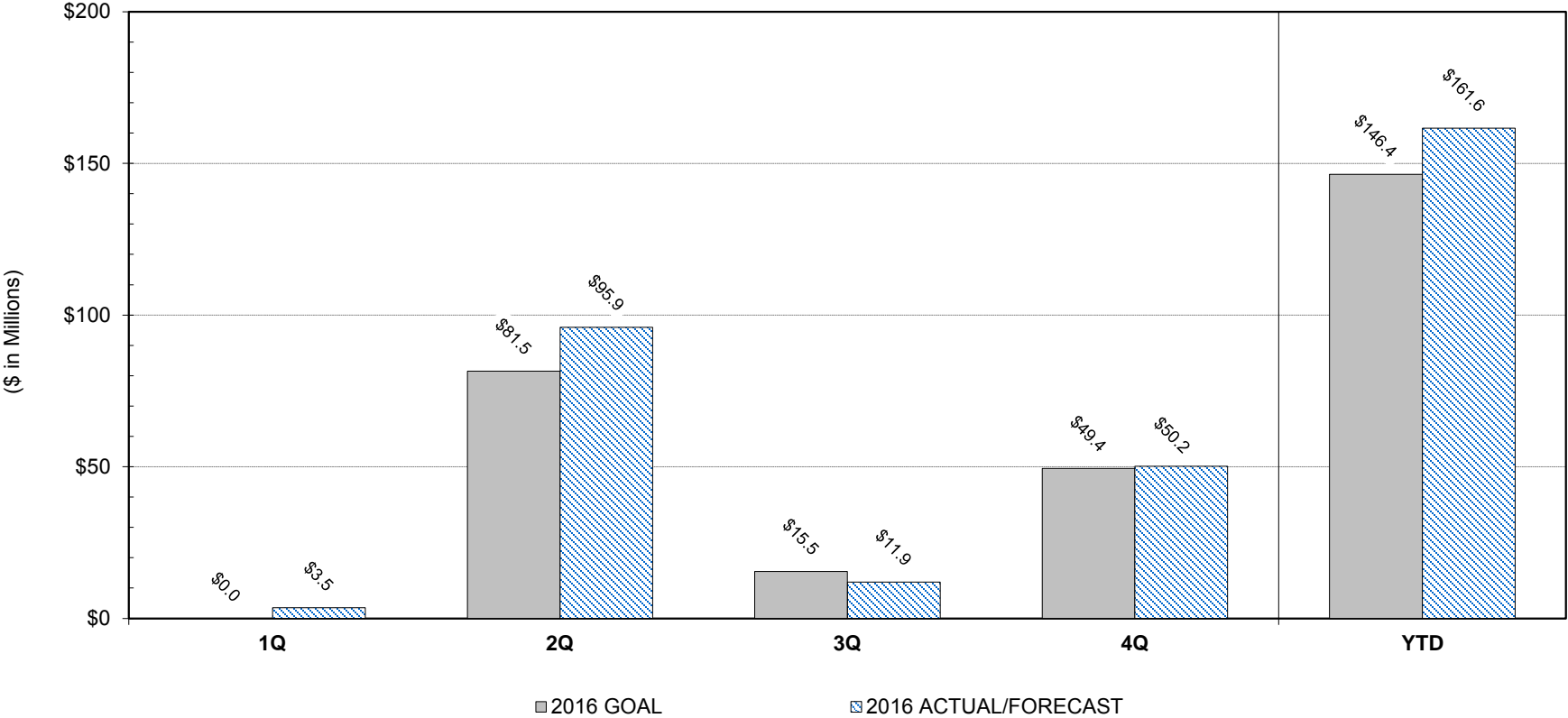


MTA Bridges and Tunnels: Status of Major Commitments as of December 31, 2016

Project		Budget (\$ in Millions)			Award Date			Notes
		2016 Goal	Actual / Forecast*	Budgeted Value	2016 Goal	Advertisement Date	Actual / Forecast	
D702VN84	Reconstruction of VN Approach Ramps - Ph1	\$12.5	\$12.3	\$12.5	Sep-16	Jan-16	Aug-16	A
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System	\$17.0	\$17.0	\$17.0	Dec-16	Mar-16	Feb-17	F

MTA Bridges and Tunnels
Completions as of December 31, 2016

2016 Budget Goal:	\$146.4
2016 Annual Forecast:	\$161.6
YTD Goal:	\$146.4
YTD Actual:	\$161.6 (110.4% of YTD Goal)
Left to Complete:	\$3.5



MTA Bridges and Tunnels: Status of Major Completions as of December 31, 2016

Project		Budget (\$ in Millions)		Completions Status		Completion Date			Notes
		2016 Goal	Actual / Forecast*	Physical % Complete	% Contingency Spent	2016 Goal	Actual / Forecast		
D602MP21	Rehabilitate Rockaway Point Blvd Overpass	\$11.1	\$11.1	97%	8%	May-16	Jun-16	A	1
G5140108	ThrogsNeck Integrated Electronic Security	\$20.4	\$20.4	98%	75%	May-16	May-16	A	
D601TN52	Miscellaneous Structural Rehabilitation	\$22.0	\$19.1	100%	87%	May-16	May-16	A	2
D604VN87	Substation #1 Rehabilitation	\$16.6	\$16.6	99%	0%	Jun-16	Jun-16	A	
D601RK76	Miscellaneous Structural Repair	\$11.2	\$11.2	99%	51%	Sep-16	Aug-16	A	
D602HH88	HH88A: Replace Upper & Lower Level Plza & Southbnd. Appr.	\$49.4	\$50.2	95%	68%	Dec-16	Dec-16	A	3

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

Note 1: May 2016 was a preliminary date. The official contracted completion date is June 2016

Note 2: Phase TN52 and TN52A are complete

Note 3 :Added funds for unforeseen work

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 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
D602MP21	Rehabilitate Rockaway Point Blvd Overpass	Project	May-16	\$11,052,001	\$11,052,001	Jun-16	\$11,052,001		
G5140108	ThrogsNeck Integrated Electronic Security	Project	May-16	\$20,374,391	\$20,374,391	May-16	\$20,374,391		
D601TN52	Miscellaneous Structural Rehabilitation (Phased)	Project	May-16	\$22,043,388	\$22,043,388	May-16	\$19,113,227		
			May-16 Total	\$53,469,780	\$53,469,780				
ED040301	Flood Mitigation-Equip.Relocations-BBT Service Building	Project	Jun-16	\$2,917,066	\$2,917,066	Jun-16	\$2,917,066		
D605BB21	Service Building Rehabilitation	Project	Jun-16	\$8,480,358	\$8,480,358	Jun-16	\$8,480,358		
D604VN87	Substation #1 Rehabilitation	Project	Jun-16	\$16,634,699	\$16,634,699	Jun-16	\$16,634,699		
			Jun-16 Total	\$28,032,123	\$28,032,123				
D603AW48	2nd Generation E-Zpass In-Lane	Study	Aug-16	\$3,533,142	\$3,533,142			Jan-17	\$3,533,142
			Aug-16 Total	\$3,533,142	\$3,533,142				
D601RK76	Miscellaneous Structural Repair	Project	Sep-16	\$11,171,357	\$11,171,357	Aug-16	\$11,171,357		
ED010304	Queens Midtown Tunnel Mitigation-Flood Gates&Other	Construction	Sep-16	\$771,677	\$771,677	Sep-16	\$771,677		
			Sep-16 Total	\$11,943,034	\$11,943,034				
D602HH88	HH88A: Replace Upper & Lower Level Plza & Southbnd. Appr.	Phase A - Project	Dec-16	\$49,437,562	\$49,437,562	Dec-16	\$50,182,781		
			Dec-16 Total	\$49,437,562	\$49,437,562				
			Grand Total	\$146,415,640	\$146,415,640				
	<u>Unplanned Completions</u>								
D602RK65	RK65R2 - Training Facility	Sub-Project RK65R2			\$17,354,522	Jun-16	\$17,354,522		
			Grand Total:	\$146,415,640	\$163,770,162		\$158,052,079	Remaining	\$3,533,142

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

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 TASK LEVEL CLOSEOUTS**

PROJECT	PROJECT DESCRIPTION	TASK	TASK DESCRIPTION	CLOSEOUT WAR	CERTIFICATE	
					DATE	CERTIFICATE AMOUNT
D602RK73	Deck Replacement- RFK MQ Ramp	D02973	PM Dsgn/Buld F/A(MQ RampTBTA-D1483)	D00001483C	Jan-16	\$815,871.91
D405BB43	Rehab Battery Parking Garage	D01493	BB43 II-Const.(BPG-01)	D00000723B	Jan-16	\$30,564,268.91
D405BB43	Rehab Battery Parking Garage	D02952	BB43 IVA -Elevator Const.Adm.	D00001502A	Jan-16	\$260,667.86
ED010240	Restore Queens Midtown Tunnel - Structural	E02990	SBMP-QM40X2-Remove Ceiling Tiles	E00002061A	Jan-16	\$1,741,997.40
ED050203	Queens Midtown Tunnel Environmental Cleanup	E02666	CM PrototypePhl(PSC-08-2849B),WO#27	E00001483A	Feb-16	\$42,332.98
ED040207	Replace MPB Electrical Equipmt at North Abutment	E02155	PM Design/Build RFP F/A(TBTA-E1514)	E00001514B	Feb-16	\$165,393.00
ED010209	Restore VNB TwrBase Elect/Lightg Sys+Ped Access Br	E02035	PM Construction F/A (TBTA-E1751)	E00001751A	Feb-16	\$87,093.40
D706AW21	Program Administration	D03400	2015 Program Adm F/A(TBTA-D1768)	D00001768A	Feb-16	\$356,088.58
D706AW21	Program Administration	D03401	2015 Indirect Program Adm F/A(TBTA-D1769)	D00001769A	Feb-16	\$1,838,493.85
D604BB45	Replace Electrical Switchgear 7 Equipment	D02568	Operations F/A Maintenance (TBTA-D1360)	D00001360A	Mar-16	\$97,237.21
D602BW89	Deck Replacement-Elevated and On Grade Approach	D02602	Operations F/A (TBTA-D1546)	D00001546A	Mar-16	\$168,835.82
ED010240	Restore Queens Midtown Tunnel - Structural	E02990	SBMP-QM40X2-Remove Ceiling Tiles (See Jan.- Funding)	E00002061B	Mar-16	\$0.00
D505QM01	Service & FE Building Rehab	D03189	SBMP-C-Post Garage & Workshop Rehab	D00001614B	Mar-16	\$1,079,122.13
D607HH10	Paint -Curb Stringers	D02622	Paint Construction Admin.(PSC-10-2864)	D00001321A	Apr-16	\$43,780.34
D602HH10	Upper Level Sidewalk/Curb Stringers	D02617	Construction Admin. (PSC-10-2864)	D00001319A	Apr-16	\$2,875,977.72
D602RK73	Deck Replacement-RFK MQ Ramp	D02974	Construction Admin. MQ Ramp (PSC-11-2894)	D00001486A	Apr-16	\$3,613,729.65
D502TN82	Rehabilitation of Orthotropic Deck	D02417	Prototype Subfloorbeam Repair (TN50)	D00001238B	Apr-16	\$138,020.00
G5140104	B&T Triborough Hardening	G01818	B&T Force Account Support	G00001453A	May-16	\$899,503.44
D601TN60	Anchorage Dehumidification	D02739	PM Design F/A(TBTA-D1539)	D00001539A	May-16	\$686,891.06
D601MP16	Miscellaneous Steel Repairs DES	D02650	PM Design F/A(TBTA-D1510)	D00001510B	May-16	\$781,284.26
D601BW97	Concrete Anchorage Repairs	D02605	Construction (Bronx Anchorage)	D00001513B	May-16	\$5,040,681.74
D601BW14	Miscellaneous Structural Rehabilitation DES	D02579	PM Design F/A(TBTA-D1573)	D00001573A	May-16	\$659,783.71
D601HH07	Structural Rehabilitation - Phase I	D02901	Design during cns(CSS) PSC-06-2807A	D00001430A	May-16	\$264,740.31
D601VN35	Steel Repair & Concrete Rehab. & Drainage Systems	D02771	Design(PSC-06-2807A #40)	D00001468A	May-16	\$436,944.33
D506AW28	Scope Development	D02360	ScopeDev-MP21(PSC-06-2807B #9)	D00001191B	May-16	\$304,926.99
D606AW22	Miscellaneous	D03243	VE/CR/RA-QM40/S-VE/RA-QM18-2891E 10	D00001657A	May-16	\$564,992.60
D606AW22	Miscellaneous	D03251	Risk Assess, Est.RK23A-PSC-12-2891E	D00001649A	May-16	\$249,260.82
D606AW28	Scope Development	D02956	ScopeDev-HH07PhII-Skewback	D00001403C	May-16	\$746,804.74
D606AW28	Scope Development	D02995	Inv./ScopeDev-TN Dehum(PSC-06-2807A	D00001425A	May-16	\$136,033.79
D606AW28	Scope Development	D03089	Scope Dev-Staff St.Brdg(PSC06-2807A	D00001473A	May-16	\$157,499.84
D606AW28	Scope Development	D03231	Scope Dev-HH13(PSC-12-2891A,wo14)	D00001662A	May-16	\$297,714.07
D604VN87	Substation #1 Rehabilitation	D02802	PM Dsgn/Bld RFP F/A(TBTA-D1479)	D00001479A	May-16	\$794,702.88
D602RK65	Deck Replacement - Bronx/Manhattan Ramps/TollPlaza	D02694	RK65D-PM Const F/A-Util Reloc&Upgra(TBTA-D1276)	D00001276B	May-16	\$1,478,280.45
D601TN52	Miscellaneous Structural Rehabilitation	D03021	PM Const F/A (TN-52A-TBTA-D1563)	D00001563A	May-16	\$299,430.76
D702VN84	Reconstruction of VN Approach Ramps - Phase1	D03402	BC Development F/A(TBTA-D1782)	D00001782A	May-16	\$0.00
D702VN11	Brooklyn Approach Reconstruction	D03427	BC Development F/A(TBTA-D1781)	D00001781A	May-16	\$0.00
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03350	BC Development F/A(TBTA-D1770)	D00001770A	May-16	\$2,905.52
D602RK65	Deck Replacement - Bronx/Manhattan Ramps/TollPlaza	D02693	RK65D-CM-Util Reloc&Upg-PSC-10-2858	D00001292B	May-16	\$2,732,153.65
ED050201	Restore CBB Service Bldg	E03174	SBMP Cns-Demo of femaleBTO trailer	E00001974A	May-16	\$131,327.04
ED040208	Replace MPB Navigation & Security Lighting Systems	E02165	Const. Admin. PSC-08-2849A Task #35	E00001615A	May-16	\$94,962.54

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 TASK LEVEL CLOSEOUTS**

PROJECT	PROJECT DESCRIPTION	TASK	TASK DESCRIPTION	CLOSEOUT WAR	CERTIFICATE	
					DATE	CERTIFICATE AMOUNT
ED010209	Restore VNB TwrBase Elect/Lightg Sys+Ped Access Br	E02036	Constr.Adm. PSC-08-2849A, Task#34	E00001523C	May-16	\$170,016.17
ED050202	Hugh L. Carey Tunnel Environmental Cleanup	E02198	ConstrPrototypePhi(GFM-495F,WO#63)	E00001452A	May-16	\$844,604.80
ED050203	Queens Midtown Tunnel Environmental Cleanup	E02206	Constr PrototypePhi GFM-495F, WO#72	E00001470A	May-16	\$1,302,000.00
ED060201	Sandy Program Administration	E03218	Grants Management (TBTA-E1993)	E00001993A	May-16	\$1,052,703.01
ED060201	Sandy Program Administration	E03219	E & C Support (TBTA_E1994)	E00001994A	May-16	\$1,256,884.45
D605AW12	Hazardous Materials Abatement	D02437	PM Construction F/A (TBTA-D1267)	D00001267E	May-16	\$1,584,512.82
D606AW22	Miscellaneous	D02465	Project management F/A (TBTA-D1336)	D00001336B	May-16	\$510,393.89
D503AW37	Operation Centers TS Systems	D02387	Capital Material Purchase -Video Wall (TBTA-D1241)	D00001241A	May-16	\$207,249.14
D603AW48	2nd Generation E-Zpass In- Lane	D02839	AET-Phase 1 Capital Material Purchases (TBTA-1287)	D00001287A	May-16	\$85,105.05
D503AW52	Advance Automated Traffic Detection	D02305	Capital Material Purchase(CMP-AW52A-TBTA-D1125)	D00001125A	May-16	\$32,179.60
D403AW80	VMS & Gantry Installation	D02161	Capital Material Purchase VMS Installation (TBTA-D1047)	D00001047B	May-16	\$111,044.59
ED05BB28	BBT Vent Building Abatement	E00315	Design & Test -Cleanup (PSC00-2570)(TBTA-E97(E00000097A	May-16	\$103,284.51
D601BB28	Rehab. Walls, Roadway, Firelines, Ceiling Repair	D02563	Operations -F/A (Maintenance Crews TBTA-D1725)	D00001725A	May-16	\$142,936.50
D502BW89	Elevated & On Grade (Bronx) Approach	D01992	PM Construction F/A (TBTA-D1115)	D00001115A	May-16	\$2,441,510.38
D704RK21	Install Fire Standpipe/ Upgrade Protection System	D03393	BC Development F/A (TBTA-D1784)	D00001784A	May-16	\$26,938.41
D602RK75	Interim Repairs- Toll Plaza Deck	D03185	Construction Phase 1 (GFM-495 WO #35)	D00001596C	May-16	\$6,112,573.35
D602VN03	Toll Plaza- East & West Bound Ramps Improvements	D02962	Utility/ Conduit Installation GFM-495F	D00001412B	May-16	\$171,980.00
D701VN10	Anchorage & Piers Rehabilitation and Sealing	D03389	BC Development F/A (TBTA-D1780)	D00001780A	May-16	\$0.00
D701VN89	Tower Pier Rehab/Construct Mooring Platform	D03386	BC Development F/A(TBTA-D1785)	D00001785A	May-16	\$1,594.96
D604MP03	Programmable Logic Controller & Mechanical Rehabilitation	D02638	PM Design F/A (TBTA-1428)	D00001428A	Jun-16	\$1,166,320.16
D701TN53	Approach Viaduct Seismic Retrofit/Structural Rehabilitation	D03376	BC Development F/A (TBTA-D1779)	D00001779A	Jun-16	\$41,299.12
D602RK75	Interim Repairs-Toll Plaza Deck	D03130	Construction Phase I (GFM-508 WO#1)	D00001559B	Jun-16	\$1,707,097.75
D602TN49	Suspended Span Replacement- Phase A	D03098	Construction-Overlay Installation-Southbound	D00001538A	Jun-16	\$1,958,646.40
D601QM18	Entrance and Exit Plaza Structural Rehabilitation	D03172	Prototype Construction-Manhattan Exit	D00001592A	Jun-16	\$665,415.09
D505QM01	Service & FE Building Rehabilitation	D02922	Borden Avenue Remediation GFM-495 WO#25	D00001477C	Jun-16	\$1,167,472.00
D501TB23	Harlem River Drive Ramp	D03043	Construction-Traffic Signals 127th Street and 2nd Avenue	D00001472B	Jun-16	\$265,239.26
G5140105	B&T BBT Emergency Generator	G01356	Emergency Generators(TBTA-G902)	G00000902A	Jun-16	\$953,510.90
D402TB65	Deck Replacement Manahattan Plaza & Ramps	D01697	Appraisal Services Building 104 (PO5-01-981660	D00000891A	Jul-16	\$8,000.00
G5140104	B&T Triborough Hardening	G01819	I/H Constr Admin (MTACC)	G00001447B	Jul-16	\$237,434.77
D502TB64	Replace Deck-RI Viaduct	D02409	TB64C CM Svices (PSC-05-2749B)	D00001218D	Jul-16	\$292,869.87
D606AW22	Miscellaneous	D03237	VE-BCOR-BB28/BB54 (PSC-12-2891E WO#5)	D00001629B	Aug-16	\$418,623.14
D601RK23	Miscellaneous Rehabilitation-Manhattan Approach Ramps	D03274	MOU-Tree Mitigation (MOU14-67)	D00001701A	Aug-16	\$320,000.00
D601RK23	Miscellaneous Rehabilitation-Manhattan Approach Ramps	D03269	MOU-DPR Relocation (MOU14-66)	D00001700A	Aug-16	\$454,000.00
D607TN85	Steel Repairs-Suspended Span	D02754	Painting-Construction	D00001389B	Aug-16	\$5,046,904.50
D501TN85	Suspended Span Cable Rewrap	D02830	TN85C-Construction	D00001390E	Aug-16	\$18,353,370.70
D601TN52	Miscellaneous Structural Rehabilitation	D02729	Construction (TN85C)	D00001388B	Aug-16	\$4,140,000.00
D601MP06	Substructure and Underwater Scour Protection	D02647	Construction	D00001593B	Aug-16	\$14,019,471.34
D603AW36	Installation of CCTV /Fiber Optic Cable	D03140	Construction-Fiber Installation TN-TN85C	D00001545A	Aug-16	\$952,000.00
D704HH13	Replacement of Facility Lighting Systems	D03360	BC Development F/A (TBTA-D1775)	D00001775A	Aug-16	\$2,450.72

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 TASK LEVEL CLOSEOUTS**

PROJECT	PROJECT DESCRIPTION	TASK	TASK DESCRIPTION	CLOSEOUT WAR	CERTIFICATE	
					DATE	CERTIFICATE AMOUNT
D701HH07	Structural Rehabilitation	D03421	BC Development F/A (TBTA-D1774)	D00001774A	Aug-16	\$55,558.79
D505QM01	Service and FE Building Rehabilitation	D03191	SBMP-Site & Miscellaneous Building Improvements QM01 Ph4	D00001613C	Aug-16	\$1,308,139.44
D601HH89	Skewbacks Retrofit	D03072	PM Design F/A (TBTA-D1579)	D00001579A	Aug-16	\$559,242.71
D506AW28	Scope Development	D02421	Scope Development RK23 PSC-06-2807E#5	D00001240A	Sep-16	\$132,666.38
D606AW22	Miscellaneous	D03235	VE-BCOR-RK23A(PSC-06-2807D WO#23A)	D00001627C	Sep-16	\$119,063.57
D606AW22	Miscellaneous	D03236	Const Rev-QM18 PSC-06-2807D WO#25	D00001632A	Sep-16	\$23,781.79
D606AW22	Miscellaneous	D03143	VE-RK65A-Bx Plz Rehab (PSC-06-2807D)	D00001549C	Sep-16	\$146,930.17
D704RK07	Electrical/Mechanical Rehab of Harlem River Lift Span	D03423	BC Development F/A (TBTA-D1776)	D00001776A	Sep-16	\$18,827.30
D704RK21	Install Fire Standpipe/ Upgrade Protection System	D03394	PM Design F/A & Design/Build Development (TBTA-D1796)	D00001796A	Sep-16	\$190,267.00
D603AW36	Installation of CCTV/Fiber Optic Cable	D03141	Construction Fiber Installation TN- TN82B	D00001544B	Sep-16	\$1,398,439.47
D607TN82	Paint-Bronx and Queens Approach Spans	D02750	Painting-Construction	D00001395A	Sep-16	\$33,593,200.50
D602TN82	Rehabilitate Orthotropic Deck-Phase B	D02744	TN82B-Construction	D00001366B	Sep-16	\$13,417,024.80
D602RK65	Deck Replacement-Bronx/ Manhattan Ramps/ Toll Plaza	D03192	RK65R2-Construction Electrical Service (AW36)	D00001603A	Nov-16	\$801,822.27
D603AW36	Installation of CCTV/ Fiber Optic Cable	D02487	Construction (RFK)	D00001553A	Nov-16	\$4,688,884.40
D601RK19	Seismic and Wind Study	D03076	Scoping Study/Design Brief (PSC-12-2910)	D00001523B	Nov-16	\$4,879,589.87
D602RK65	Deck Replacement-Bronx/ Manhattan Ramps/ Toll Plaza	D03002	RK65R-Maintenance Facility CM	D00001507B	Nov-16	\$2,165,053.19
D606AW28	Scope Development	D03208	Scoping Services HH07A(PSC-12-2916D)	D00001620B	Nov-16	\$298,658.56
D601MP06	Substructure and Underwater Scour Protection	D03167	SBMP-MP06B-Construction South Abutment	D00001622C	Nov-16	\$851,416.08
D601TN52	Miscellaneous Structural Rehabilitation	D02964	Construction-Safety Flag Repairs (GFM495 WO#1)	D00001411B	Nov-16	\$356,913.56
D601TN52	Miscellaneous Structural Rehabilitation	D03022	Construction- (GFM495 WO#59)	D00001589B	Nov-16	\$2,890,908.59
D606AW22	Miscellaneous	D03260	Value Engineering/BCOR-TN60 (PSC-12-2891 Task #18)	D00001677A	Nov-16	\$90,761.71
D606AW22	Miscellaneous	D03265	CR/OS-MP16/MP)3 Phase 2 (PSC-12-2891 WO#21)	D00001689A	Nov-16	\$37,496.91
D603AW48	2nd Generation E-Zpass In-Lane	D03000	AET- Phase II- InstallCanopy Ladder- HHB	D00001438A	Nov-16	\$19,795.00
D607TN82	Paint-Bronx and Queens Approach Spans	D02878	Paint-PM Construction F/A (TBTA-D1372)	D00001372B	Dec-16	\$637,858.91
D602TN82	Rehabilitate Orthotropic Deck-Phase B	D02879	TN82B-PM Construction F/A (TBTA-D1367)	D00001367B	Dec-16	\$837,277.12
D704BW32	Installation of Fire Standpipe Connections	D03417	BC Development F/A (TBTA-D1771)	D00001771A	Dec-16	\$0.00
D701BW07	Fender Protection around Tower Piers (Const)	D03806	BC Development F/A (TBTA-D1835)	D00001835A	Dec-16	\$12,580.95
D603AW48	2nd Generation E-Zpass In-Lane	D03124	PM Design Scope Study F/A (TBTA-D1564)	D00001564A	Dec-16	\$651,912.94
D701RK70	Miscellaneous Structural Rehabilitation	D03426	BC Development F/A (TBTA-D1778)	D00001778A	Dec-16	\$39,047.55
D601TN52	Miscellaneous Structural Rehabilitation	D03026	Construction (TN52A)	D00001711C	Dec-16	\$7,428,021.30
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03352	PM Design - AW65B F/A (TBTA-D1811)	D00001811A	Dec-16	\$153,524.25
Total					110	\$206,782,037.73

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 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
D703AW32	Installation of Rotating Prism Signs	D03412	RPS-PM Constr. F/A	Jan-16	\$350,000	\$350,000	Jan-16	\$350,000		
D704AWX3	Bridge Structural Health Monitoring Initiatives	D03526	BC Development F/A	Jan-16	\$28,122	\$28,122	Jan-16	\$28,122		
D706AW21	Program Administration	D03443	2016 Indirect Program Adm.	Jan-16	\$3,600,000	\$3,600,000	Feb-16	\$3,600,000		
D706AW21	Program Administration	D03444	2016 Program Adm.	Jan-16	\$1,100,000	\$1,100,000	Feb-16	\$1,100,000		
D701BW07	Fender Protection around Tower Piers (Const)	D03806	BC Development F/A	Jan-16	\$20,000	\$20,000	Jan-16	\$12,581		
D704HC30	Install Smoke Detection/Alarm Systems-HCT Vent & Svc. Bldgs.	D03624	BC Development F/A	Jan-16	\$56,243	\$56,243	Jan-16	\$56,243		
D704HC64	Brooklyn Service Building Electrical Rehab.	D03734	BC Development F/A	Jan-16	\$61,868	\$61,868	Jan-16	\$61,868		
D704QM91	Install Smoke Detection/Alarm Systems-QMT Vent & Svc. Bldgs.	D03570	BC Development F/A	Jan-16	\$56,243	\$56,243	Jan-16	\$56,243		
D701TN53	Approach Viaducts Seismic Retrofit & Structural Rehab	D03377	PM Design F/A(TBTA-D1831)	Jan-16	\$2,263,564	\$2,263,564	Jan-16	\$2,263,564		
D701TN87	Anchorage & Tower Protection	D03701	BC Development F/A	Jan-16	\$58,493	\$58,493	Jan-16	\$58,493		
D707VN49	Painting of Suspended Span Upper & Lower Level Steel & Truss	D03826	BC Development F/A	Jan-16	\$56,243	\$56,243	Jan-16	\$56,243		
				Jan-16 Total	\$7,650,776	\$7,650,776				
D706AW22	Miscellaneous	D03451	2015-2019 PM Design F/A	Feb-16	\$100,000	\$100,000	Feb-16	\$100,000		
ED040303	Flood Mitigation-Generator at GIVB	E03721	Const. Adm.	Feb-16	\$221,000	\$221,000	Feb-16	\$233,046		
D701RK04	Queens Anchorage Rehabilitation	D03373	PM Design Study F/A(TBTA-D1832)	Feb-16	\$300,574	\$300,574	Mar-16	\$300,574		
D701RK04	Queens Anchorage Rehabilitation	D03374	Study (PSC-12-2891 WO #59)	Feb-16	\$2,054,626	\$2,054,626	Mar-16	\$2,000,167		
				Feb-16 Total	\$2,676,200	\$2,676,200				
D703AW32	Installation of Rotating Prism Signs	D03413	RPS-Constr. Adm.(PSC-13-2923 wo26)	Mar-16	\$1,044,750	\$1,044,750	Feb-16	\$1,358,422		
D705HC80	Rehabilitation of Ventilation Buildings	D03753	BC Development F/A	Mar-16	\$60,833	\$60,833	Mar-16	\$60,833		
D701HH07	Structural Rehabilitation	D03762	PM Design F/A	Mar-16	\$501,352	\$501,352	Jul-16	\$378,865		
D707HH30	Replacement of HHB Overcoat System	D03785	PM Design F/A	Mar-16	\$158,165	\$158,165	Jul-16	\$178,534		
D604MPXA	Mechanical Systems Rehab	D03332	Ph2 - Operations F/A	Mar-16	\$29,000	\$29,000	Mar-16	\$126,550		
D701QM18	Manhattan/Queens Plaza Structural Rehab	D03533	PM Design F/A Ph. 2	Mar-16	\$1,112,653	\$1,112,653			-	-
D705QM36	Rehabilitation of Ventilation Building	D03543	BC Development F/A	Mar-16	\$58,493	\$58,493	Mar-16	\$58,493		
D701RK20	Main Bridge Cable Inspection and Rehabilitation	D03606	BC Development F/A	Mar-16	\$58,493	\$58,493	Mar-16	\$58,493		
D702VN11	Brooklyn Approach Reconstruction	D03715	PM Design F/A	Mar-16	\$500,000	\$500,000	Aug-16	\$506,579		
D702VN84	Reconstruction of VN Approach Ramps - Ph1	D03403	PM Design F/A	Mar-16	\$4,000,000	\$4,000,000	Mar-16	\$4,000,000		
				Mar-16 Total	\$7,523,739	\$7,523,739				
D705AW66	Operations Command Center Rehab/Replacement	D03488	BC Development F/A (TBTA-D1860)	May-16	\$56,243	\$56,243	May-16	\$56,243		
D701TN53	Approach Viaducts Seismic Retrofit & Structural Rehab	D03378	Design and EIS (PSC-15-2977)	May-16	\$8,000,000	\$8,000,000	Jul-16	\$5,655,456		
D702TN55	Replacement of Bronx and Queens Approach Viaducts (Study)	D03693	BC Development F/A(TBTA-D1861)	May-16	\$28,122	\$28,122	May-16	\$28,122		

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 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
					May-16 Total	\$8,084,365	\$8,084,365				
D701BW07	Fender Protection around Tower Piers (Const)		D03808	10% Design & D/B RFP Development	Jun-16	\$1,500,000	\$1,500,000	Nov-16	\$100,000	Feb-17	
D701BW07	Fender Protection around Tower Piers (Const)		D03807	PM Design F/A	Jun-16	\$100,000	\$100,000				
D704BW32	Installation of Fire Standpipe Connections		D03545	10% Design & RFP Dev.	Jun-16	\$200,000	\$200,000				
D704BW32	Installation of Fire Standpipe Connections		D03544	PM Design F/A	Jun-16	\$100,000	\$100,000	Nov-16	\$100,000	Feb-17	
D704HC07	Rehabilitation of HCT Ventilation Systems		D03598	BC Development F/A	Jun-16	\$58,493	\$58,493	Jun-16	\$58,493		
D701HH89	Skewback Retrofit		D03521	PM Construction F/A	Jun-16	\$2,105,745	\$2,105,745	Jul-16	\$2,105,745		
D703HH88	Reconstruction of Toll Plazas and Southbound Approach		D03792	PM Const. F/A	Jun-16	\$2,313,395	\$2,313,395	Oct-16	\$2,313,395		
D704HH13	Replacement of Facility Lighting System		D03779	PM Const. F/A	Jun-16	\$254,000	\$254,000	Nov-16	\$273,311		
D701RK19	Seismic/Wind Retrofit & Structural Rehab Ph1		D03591	PM Design F/A	Jun-16	\$1,000,000	\$1,000,000	Nov-16	\$227,500		
D701RK70	Miscellaneous Structural Rehabilitation		D03661	PM Design F/A	Jun-16	\$1,000,000	\$1,000,000	Nov-16	\$227,500		
D702RK65	Reconstruction of Manhattan Toll Plaza Structure and Ramps		D03652	BC Development F/A	Jun-16	\$56,243	\$56,243	Jun-16	\$56,243		
D704RK07	Electrical/Mechanical Rehab of HR Lift Span		D03419	I/H Design / Build RFP Development	Jun-16	\$250,000	\$250,000	Jun-16	\$286,417		
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System		D03395	PM Construction F/A	Jun-16	\$1,659,983	\$1,659,983	Jul-16	\$1,659,983		
D705RK58	Rehabilitation of the Robert Moses Bldg and Ancillary Facilities		D03639	PM Design F/A	Jun-16	\$800,000	\$800,000	Dec-16	\$100,000	Sep-17	
D707RK70	Miscellaneous Structural Rehabilitation		D03669	PM Design F/A	Jun-16	\$150,000	\$150,000				
D702VN11	Brooklyn Approach Reconstruction		D03716	Design	Jun-16	\$2,000,000	\$2,000,000				
D704VN30	Elevator Rehabilitation		D03729	BC Development F/A	Jun-16	\$31,633	\$31,633	Jun-16	\$31,633		
					Jun-16 Total	\$13,579,492	\$13,579,492				
D706AW18	Protective Liability Insurance		D03439	2016-APPL	Jul-16	\$2,500,000	\$2,500,000	Jun-16	\$1,406,431		
D701CB18	CB Scour Protect/Repair/Rpl CB/MP Pier Fender Sys		D03575	Conceptuall Design & Env. Permits	Jul-16	\$1,000,000	\$1,000,000	Jul-16	\$609,901	-	
D701CB18	CB Scour Protect/Repair/Rpl CB/MP Pier Fender Sys		D03569	PM Design F/A & D/B RFP Dev.	Jul-16	\$609,901	\$609,901				
					Jul-16 Total	\$4,109,901	\$4,109,901				
D704BW39	Install Electronic Monitoring & Detection Systems		D03558	PM Const.F/A	Aug-16	\$1,000,000	\$1,000,000	Aug-16	\$1,000,000	Mar-17	
D704RK60	Installation of Facility-wide Electronic Monitoring and Detection System		D03647	PM Construction F/A	Aug-16	\$1,000,000	\$1,000,000				
					Aug-16 Total	\$2,000,000	\$2,000,000				
D704HC30	Install Smoke Detection/Alarm Systems-HCT Vent & Svc. Bldgs.		D03705	PM Design F/A & D/B RFP Dev.	Sep-16	\$200,000	\$200,000	Sep-16		Apr-17	
D704HC64	Brooklyn Service Building Electrical Rehab.		D03735	PM Design F/A & D/B RFP Dev.	Sep-16	\$224,973	\$224,973				
D705HC80	Rehabilitation of Ventilation Buildings		D03754	PM Design F/A	Sep-16	\$1,000,000	\$1,000,000				
D701HH07	Structural Rehabilitation		D03767	Design (PSC-16-2986)	Sep-16	\$1,200,000	\$1,200,000	Oct-16	\$1,310,535		
D707HH30	Replacement of HHB Overcoat System		D03786	Design (PSC-16-2986)	Sep-16	\$750,863	\$750,863	Oct-16	\$132,756		
D701QM18	Manhattan/Queens Plaza Structural Rehab		D03534	DesignPh. 2	Sep-16	\$5,046,010	\$5,046,010			-	-

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 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
D704QM91	Install Smoke Detection/Alarm Systems-QMT Vent & Svc. Bldgs.	D03571	PM Design F/A & D/B RFP Dev.	Sep-16	\$200,000	\$200,000			Apr-17	
D705QM36	Rehabilitation of Ventilation Building	D03546	PM Design F/A	Sep-16	\$768,803	\$768,803			2018	
D701RK20	Main Bridge Cable Inspection and Rehabilitation	D03607	PM Design F/A	Sep-16	\$865,929	\$865,929			Mar-17	
D702RK23	Construction of New Harlem River Drive Ramp	D03630	BC Development F/A	Sep-16	\$56,243	\$56,243			2018	
D702VN84	Reconstruction of VN Approach Ramps - Ph1	D03404	Design	Sep-16	\$12,500,000	\$12,500,000	Aug-16	\$12,322,717		
D702VN86	Widening of Belt Parkway - Design	D03763	BC Development F/A	Sep-16	\$56,243	\$56,243	Sep-16	\$56,243		
			Sep-16 Total		\$22,869,064	\$22,869,064				
D701TN87	Anchorage & Tower Protection	D03702	PM Design F/A	Oct-16	\$2,000,000	\$2,000,000			2018	
D707VN49	Painting of Suspended Span Upper & Lower Level Steel & Truss	D03827	In-House Design F/A	Oct-16	\$285,000	\$285,000			Apr-17	
			Oct-16 Total		\$2,285,000	\$2,285,000				
D703HH88	Reconstruction of Toll Plazas and Southbound Approach	D03793	Construction Adm.(PSC-16-2986)	Nov-16	\$6,000,000	\$6,000,000			Jan-17	
D704HH13	Replacement of Facility Lighting System	D03780	Construction Adm.(PSC-16-2986)	Nov-16	\$800,000	\$800,000			Jan-17	
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System	D03396	Constr. QC and Admin. (PSC-15-2973)	Nov-16	\$2,000,000	\$2,000,000			Jan-17	
			Nov-16 Total		\$8,800,000	\$8,800,000				
D603AW35	Replacement of Weather Information Systems	D02480	3rd Pty-Furnish/install	Dec-16	\$1,871,967	\$1,871,967			Jun-17	
D603AW35	Replacement of Weather Information Systems	D03325	PM Cns.-Maintenance F/A	Dec-16	\$316,252	\$316,252	Dec-16	\$316,252		
D603AW35	Replacement of Weather Information Systems	D03326	Capital Materials Purchase	Dec-16	\$25,000	\$25,000			Jun-17	
D706AW28	Scope Development	D03454	PM Design-TD F/A	Dec-16	\$200,000	\$200,000	Dec-16	\$200,000		
D701HH89	Skewback Retrofit	D03522	Constr. Quality Oversight PSC-15-2973 wo4	Dec-16	\$5,184,930	\$5,184,930			Jan-17	
D704HH19	Replacement and Upgrade of Substations	D03814	PM Design F/A	Dec-16	\$362,432	\$362,432			2018	
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System	D03397	Design/Build	Dec-16	\$17,043,254	\$17,043,254			Feb-17	
D704RK21	Installation of Fire Standpipe & Upgrade of Fire Protection System	D03398	Operations F/A	Dec-16	\$243,331	\$243,331			Sep-17	
D704VN30	Elevator Rehabilitation	D03730	PM Design F/A	Dec-16	\$700,399	\$700,399			-	-
			Dec-16 Total		\$25,947,565	\$25,947,565				
			Grand Total		\$105,526,103	\$105,526,103				
Unplanned Commitments										
ED060201	Sandy Program Administration	E04013	2016 E&C Support(TBTA-E2435)			\$400,000	Jan-16	\$400,000		
ED060201	Sandy Program Administration	E04012	2016 Grants Management(TBTA-E2433)			\$612,700	Jan-16	\$612,700		
D706AW15	MTA Independent Engineer	D03436	3/16-3/19 Independent Engineering Consultant			\$2,290,589	May-16	\$2,290,589		
D706AW10	Enterprise Asset Management	D03848	EAM_B&T_Software Acquisition			\$634,578	May-16	\$634,578		
D606AW22	Miscellaneous	D03847	Risk Assess-BW39/RK60,HH89			\$124,685	Jun-16	\$124,685		
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03851	ORT Design QMT PSC-12-2891L,WO#91			\$1,711,403	Aug-16	\$1,711,403		
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03866	ORT Art Design PSC-12-2891E,WO#97			\$1,575,000	Aug-16	\$1,575,000		

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2016 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
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03850	ORT Design BBT PSC-12-2891L, WO# 91			\$1,711,403	Aug-16	\$1,711,403		
D605AW12	Hazardous Materials Abatement	D03860	QMT-ORT Survey PSC-12-2907C/WO#79			\$15,000	Aug-16	\$40,717		
D606AW22	Miscellaneous	D08362	Independent D/B Review-BW39 & RK60			\$5,400	Aug-16	\$5,400		
D605AW12	Hazardous Materials Abatement	D03859	BBT-ORT Survey PSC-12-2907A/WO#77			\$20,739	Aug-16	\$20,739		
D703AW65	Toll Collection System Rehabilitation/ Upgrade	D03855	ORT Civil BBT- BB28/28S			\$775,437	Sep-16	\$738,511		
D703AW65	Toll Collection System Rehabilitation/ Upgrade	D03865	ORT Design Bridges-PSC-12-2891F WO#96			\$3,068,960	Sep-16	\$9,386,038		
D703AW65	Toll Collection System Rehabilitation/ Upgrade	D03867	ORT BIM-PSC-15-2973D WO#6			\$224,610	Sep-16	\$224,610		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03863	ORT -BBT Design PSC-13-2941A			\$308,673	Oct-16	\$308,673		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03864	ORT -QMT Design PSC-13-2941A			\$317,975	Oct-16	\$317,975		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03868	ORT -BBT Kapsch-07-IAG-2782A			\$130,371	Oct-16	\$130,371		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03869	ORT -QMT Kapsch-07-IAG-2782A			\$182,927	Oct-16	\$182,927		
D703AW63	Replace Toll Equipment & New Toll Initiatives	D03888	ORT-Transcore			\$64,711,314	Nov-16	\$64,711,314		
D703AW65	Toll Collection System Rehabilitation/ Upgrade	D03874	ORT- Program Support (PSC-12-2922)			\$6,413,771	Nov-16	\$6,413,771		
D703HH88	Toll Plaza and Southbound Approach Reconstruction	D03884	Demolition of Upper Level Tollbooths(HH88A)			\$1,155,000	Nov-16	\$1,155,000		
D606AW28	Scope Development	D02476	ITS-Scope Development-OCCC			\$551,073	Nov-16	\$551,073		
D606AW28	Scope Development	D03873	Scoping-TD Systems (PSC-15-2980B/ WO #1)			\$40,000	Nov-16	\$40,000		
D606AW28	Scope Development	D03882	Scoping-TD Systems (PSC-15-2980A/ WO #1)			\$40,000	Nov-16	\$40,000		
D703HC63	Open Road Tolling Initiative at HLCT	D03908	ORT-Civil Construction BB28/28B			\$4,633,690	Nov-16	\$4,633,690		
ED010228	Restore Hugh L. Carey Tunnel-Structural	E04337	Construction Tile NYS Branding			\$5,440,167	Nov-16	\$5,440,167		
ED010228	Restore Hugh L. Carey Tunnel-Structural	E04336	Construction			\$26,059,834	Nov-16	\$26,059,834		
D703QM63	Open Road Tolling Initiative at QMT	D03914	ORT-Civil Construction QM40/18			\$9,926,700	Nov-16	\$9,926,700		
ED010240	Restore Queens Midtown Tunnel-Structural	E04339	Construction Tile NYS Branding			\$6,250,650	Nov-16	\$6,250,650		
ED010241	Restore Queens Midtown Tunnel-Structural	E04338	Construction			\$24,570,000	Nov-16	\$24,570,000		
D703AW63	Open Road Tolling Initiative at QMT	D03875	ORT-ART/Aesthetic Oversight/QA			\$105,000	Dec-16	\$105,000		
D703QM63	Open Road Tolling Initiative at QMT	D03917	QM63: Air Monitoring/Testing			\$6,266	Dec-16	\$6,266		
D703QM63	Open Road Tolling Initiative at QMT	D03919	Mamhattan Portal Decluttering-QMT			\$766,500	Dec-16	\$766,500		
D703QM63	Open Road Tolling Initiative at QMT	D03918	QM63: Hazardous Material Abatement			\$39,900	Dec-16	\$39,900		
D705AW66	Operations Command Center Rehabilitation/ Replacement	D03491	AW66:OCCC Facility-Construction Admin			\$735,010	Dec-16	\$735,010		
D705AW66	Operations Command Center Rehabilitation/ Replacement	D03492	AW66:OCCC Facility-Design and CSS			\$768,273	Dec-16	\$768,273		
D703HC63	Open Road Tolling Initiative at HLCT	D03946	ORT-TEB Protection Deign/Build (TUN-MIT-01)			\$371,700	Dec-16	\$371,700		
D703RK63	Open Road Tolling Initiative at RFK Bridge	D03947	RK63:ORT-RFK Design and CSS			\$1,826,828	Dec-16	\$1,826,828		
D703AW65	Toll Collection System Rehabilitation/Upgrades	D03885	ORT--Power Feeds-VNB (VN-MIT-01)			\$129,875	Dec-16	\$129,875		
ED050303	Hugh Carey Tunnel-GIVB Mitigation-Raise Seawalls	E04058	Design/Build			\$8,427,500	Dec-16	\$8,427,500		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04038	Design/Build			\$32,334,800	Dec-16	\$32,334,800		
ED010304	Queens Midtown Tunnel Mitigation-Flood Gates	E04052	Design/Build			\$23,801,500	Dec-16	\$23,801,500		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04042	D-B Stipend #1 Reserve			\$100,000	Dec-16	\$100,000		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04043	D-B Stipend #2 Reserve			\$100,000	Dec-16	\$100,000		
ED010301	Hugh Carey Tunnel Mitigation-Perimeter Work	E04044	D-B Stipend #3 Reserve			\$100,000	Dec-16	\$100,000		
Grand Total					\$105,526,103	\$339,041,904	YTD Total	\$287,340,759	Remaining	\$0
									Grand Total	\$287,340,759

MTA Bridges and Tunnels: Status of 2015 Major Commitments as of November 30, 2016

Project		Budget (\$ in Millions)			Award Date			Notes
		2015 Goal	Actual / Forecast*	Budgeted Value	2015 Goal	Advertisement Date	Actual / Forecast	
D702RK23	Construction of New Harlem River Drive Ramp - MOU (RK23)	\$15.0	\$22.9	\$26.3	Jun-15	N/A	May-16	A 1

Note 1: Additional time is required to negotiate the terms of contract with New York City DOT and their contractor. Start forecast revised to December 2016 for better coordination with the City and contractor.

**MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2015 CAPITAL MILESTONE BACK-UP - AWARDS**

ACEP	Project Description	IMPACT		Original Goal Start Date	Goal Start Date	Goal Value	Budget Value	Actual Start Date	Actual Value	Forecast	
		Task	Task Description							Start Date	Forecast Value
ED040303	Flood Mitigation- Generator at GIVB	E03434	Design during construction	Jun-15	Feb-16	\$58,267.00	\$75,000	May-16	\$58,267		
ED040207	Replace MPB Electrical Equipmt at North Abutment	E03429	CSS	Jun-15	Feb-16	\$53,605.00	\$160,000	Jan-16	\$53,605		
ED040210	Repl CBB Mech&Elect Equip-S. Abutment & Svc Bldg	E03463	CSS - SI	Jun-15	Feb-16	\$21,433.00	\$21,433	Jan-16	\$21,433		
ED040210	Repl CBB Mech&Elect Equip-S. Abutment & Svc Bldg	E03427	CSS	Jun-15	Feb-16	\$85,839.00	\$278,567	Jan-16	\$85,839		
D602RK75	Interim Repairs - Toll Plaza Deck	D02721	Constr. Ph II - Demo Unoccupied Spaces at MPiz	Nov-15	Feb-16	\$14,795,020	\$14,795,020	Apr-16	\$14,795,020		
D602TN49	Suspended Span Replacement - Phase A	D03212	Lab.Testing-Prototype Deck	Sep-15	Feb-16	\$3,526,443	\$3,526,443	Feb-16	\$3,526,443		
D602TN49	Suspended Span Replacement - Phase A	D03330	Prototype Orthotropic Deck	Sep-15	Feb-16	\$1,306,385	\$1,306,385	Feb-16	\$1,422,173		
					Feb-16 Total	\$19,846,992	\$20,162,848				
D604MP03	Programmable Logic Controller & Mechanical Rehab.	D03201	Ph1-D/B Stipend #1 - Mass Electric	Sep-15	Mar-16	\$60,000	\$60,000	Mar-16	\$60,000		
D604MP03	Programmable Logic Controller & Mechanical Rehab.	D03842	Ph 1-D/B Stipend #2 - T. Moriarty and Sons	Sep-15	Mar-16	\$60,000	\$60,000	Mar-16	\$60,000		
					Mar-16 Total	\$120,000	\$120,000				
D702RK23	Construction of New Harlem River Drive Ramp	D03631	MOU - NYC DOT - Ramp HRD	Jun-15	Dec-16	\$26,318,636	\$26,318,636	May-16	\$22,900,000		
					Dec-16 Total	\$26,318,636	\$26,318,636				
					Grand Total	\$46,285,628	\$46,601,484	YTD Total	\$42,982,780		
										Remaining:	\$0

MTA BRIDGES & TUNNELS
CAPITAL PROGRAM
2015 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
D601BW07	Tower and Pier Fender Protection-Phase 1	Study/Project	Sep-15	Jun-16	\$3,308,868	\$3,308,868	Jun-16	\$3,308,868		
				Jun-16 Total	\$3,308,868	\$3,308,868				
				Grand Total	\$3,308,868	\$3,308,868		\$3,308,868		\$0

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



Bridges and Tunnels

Toll Violation Enforcement (Action item)



Staff Summary

Subject	Toll Violation Enforcement
Department	Law
Department Head Name	M. Margaret Terry <i>MMT</i>
Department Head Signature	
Project Manager Name	

Date	January 25, 2017
Vendor Name	N/A
Contract Number	N/A
Contract Manager Name	N/A
Table of Contents Ref. #	N/A

Board Action					
Order	To	Date	Approval	Info	Other
1	B&T Committee	01/23/17			
2	Board	01/25/17			

Internal Approvals			
Order	Approval	Order	Approval
3	President <i>PS</i>		VP Procurement
	General Counsel		VP Operations
2	Executive VP <i>DD</i>		VP Labor Relations
	VP Operations Support		VP & Chief Engineer

Internal Approval (cont.)							
Order	Approval	Order	Approval	Order	Approval	Order	Approval
1	Chief Financial Officer <i>Alison</i>		Chief Security Officer		Chief Maintenance Officer		Other
	Chief Information Officer		Chief Health & Safety Officer		Affirmative Action		Other

PURPOSE: To obtain the Board's approval of a Resolution (i) adopting the Authority's revised toll violation enforcement regulations to increase the violation fee imposed on owners from \$50.00 to \$100.00 for toll violations at the Bronx-Whitestone, Robert F. Kennedy, Throgs Neck and Verrazano-Narrows Bridges and Hugh L. Carey and Queens Midtown Tunnels, while continuing to impose a \$50.00 violation fee for toll violations at the Henry Hudson, Cross Bay Veterans Memorial or Marine Parkway-Gil Hodges Memorial Bridges and adding provisions prescribing the procedural protections for owners seeking to have their tolls and unpaid violation fees dismissed or transferred from vehicle rental and leasing companies to renters and lessees and warning that owners who persistently fail to pay tolls and violation fees may have their vehicle registrations suspended by the New York State Department of Motor Vehicles (DMV); and (ii) authorizing the President of the Authority or his designee to take all such steps that may be necessary and desirable to establish, implement and permanently adopt, pursuant to law, the revised regulation (attached as Attachment 1).

DISCUSSION: On October 28, 2016, the Board authorized the Authority to take the requisite preliminary steps to revise the Authority's toll violation enforcement regulations. The Authority's proposed regulations would increase the violation fee from \$50.00 to \$100.00 per violation for failure to pay tolls at the Bronx-Whitestone, Robert F. Kennedy, Throgs Neck and Verrazano-Narrows Bridges and the Hugh L. Carey and Queens Midtown Tunnels, while continuing to impose the \$50.00 fee per violation upon owners for failure to pay tolls at the Henry Hudson, Cross Bay Veterans Memorial and Marine Parkway-Gil Hodges Memorial Bridges. In addition, the proposed regulations continue to (i) make it clear that owners have an opportunity to dispute their responsibility for toll violations and have them dismissed or transferred before being subject to a \$50.00 or \$100.00 violation fee per violation or, if persistent violators, the suspension of their vehicle registrations by The legal name of MTA Bridges and Tunnels is Triborough Bridge and Tunnel Authority.

DMV; (ii) prescribe the information required in violation notices; the process for disputing toll violations; the grounds for dismissing toll violations; the process for vehicle rental and leasing companies to transfer responsibility for tolls and violation fees to renters and lessees, as well as the required evidence; and (iii) state that owners who persistently fail to pay their tolls and violation fees or have them dismissed or transferred may have their vehicle registrations suspended by DMV.

Notice of the proposed revised regulations was published in the *New York State Register* on November 16, 2016, soliciting public comments. No comments have been received by the Authority.

Finally, the Board is asked to delegate to the President or his designee authority to take all necessary and desirable steps to adopt the revised Part 1021.3 of Title 21 of the New York Codes, Rules and Regulations.

IMPACT ON FUNDING: It is anticipated that increasing the violation fee to \$100.00 per toll violation at the Bronx-Whitestone, Robert F. Kennedy, Throgs Neck and Verrazano-Narrows Bridges and the Hugh L. Carey and Queens Midtown Tunnels and strengthening the Authority's toll violation enforcement procedures will increase toll revenue at Authority Open Road Tolling facilities by deterring toll evasion.

RECOMMENDATION: It is recommended that the Board adopt the revised toll violation enforcement regulations increasing the violation fee from \$50.00 to \$100.00 per toll violation at the Bronx-Whitestone, Robert F. Kennedy, Throgs Neck and Verrazano-Narrows Bridges and the Hugh L. Carey and Queens Midtown Tunnels and strengthening the toll violation enforcement procedures.

RESOLUTION

WHEREAS, the Triborough Bridge and Tunnel Authority (Authority) has been given the statutory right and duty to make rules and regulations for establishment and collection of tolls on its bridges and tunnels; and

WHEREAS, on October 28, 2016, the Board authorized the President of the Authority or his designee to take requisite preliminary steps to revise its toll violation enforcement regulations to increase the violation fee from \$50.00 to \$100.00 per violation for failure to pay tolls at the Bronx-Whitestone, Robert F. Kennedy, Throgs Neck and Verrazano-Narrows Bridges and the Hugh L. Carey and Queens Midtown Tunnels, while continuing to impose the \$50.00 fee per violation upon owners for failure to pay tolls at the Henry Hudson, Cross Bay Veterans Memorial and Marine Parkway-Gil Hodges Memorial Bridges and continue to (i) make it clear that owners have an opportunity to dispute their responsibility for toll violations and have them dismissed or transferred before being subject to a \$50.00 or \$100.00 violation fee per violation or, if persistent violators, the suspension of their vehicle registrations by DMV; (ii) prescribe the information required in violation notices; the process for disputing toll violations; the grounds for dismissing toll violations; the process for vehicle rental and leasing companies to transfer responsibility for tolls and violation fees to renters and lessees, as well as the required evidence; and (iii) state that owners who persistently fail to pay their tolls and violation fees or have them dismissed or transferred may have their vehicle registrations suspended by New York Department of Motor Vehicles (DMV); and

WHEREAS, notice of the proposal for revised regulations was published in the *New York State Register* on November 16, 2016, soliciting public comments and no comments were received by the Authority;

NOW, THEREFORE, IT IS:

RESOLVED, that the prior Part 1021.3 of Title 21 of the New York Codes, Rules and Regulations shall be and hereby is repealed and the new Toll Violation Enforcement regulations as set forth in the attachment to this resolution, shall be and hereby is adopted; and be it further,

RESOLVED, that the President of the Authority or his designee is hereby fully authorized and directed to take such steps as may be necessary or desirable to repeal the prior Part 1021.3 of Title 21 of the New York Codes, Rules and Regulations and establish, implement and adopt the proposed Toll Violation Enforcement regulations, annexed hereto, in the new Part 1021.3 of Title 21 of the New York Codes, Rules and Regulations, pursuant to law.

January 25, 2017
New York, New York

ATTACHMENT 1

Part 1021.3 Toll Violation Enforcement

TBTA TOLL VIOLATION ENFORCEMENT REGULATIONS

Section 1021.3 Toll Violation Enforcement

1. The owner, as defined in Public Authorities Law § 2985(3), of any vehicle crossing a bridge or tunnel without paying the crossing charge prescribed by the Triborough Bridge and Tunnel Authority ("Authority") at the place and time and in the manner established for the collection of such crossing charge commits a violation of toll collection regulations.
 - (a) Payment of crossing charges by E-ZPass shall be made by means of a properly mounted E-ZPass tag of the proper class that is classified as valid at the time of the toll transaction. For each such violation, the owner shall be charged the full undiscounted crossing charge for fare media other than E-ZPass. Nothing in this section shall be construed to limit the liability of an E-ZPass account holder for administrative violation fees established and imposed by the E-ZPass agreement for failure to pay crossing charges by means of a properly mounted E-ZPass Tag of the proper class that is classified as valid at the time of the transaction.
 - (b) Payment of crossing charges by fare media other than E-ZPass shall be made at the place and time and in the manner established for the collection of such crossing charge. Nothing in this section shall be construed to limit the liability of a video account holder for administrative violation fees established and imposed by the applicable video account agreement for failure to pay the crossing charges at the place and time and in the manner established for the collection of such crossing charges.
2. The owner of any vehicle which violates toll collection regulations by crossing a bridge or tunnel without paying the crossing charge prescribed by the Authority at the place and time and in the manner established for the collection of such crossing charge shall be liable to the Authority for an administrative fee, known as the toll violation fee. The fee shall be in the amount of \$50.00, for each such violation arising from crossing the Henry Hudson Bridge, the Cross Bay Veterans Memorial Bridge and the Marine Parkway-Gil Hodges Memorial Bridge; and, \$100.00 for each such violation arising from crossing the Bronx-Whitestone Bridge, the Hugh L. Carey Tunnel, the Queens Midtown Tunnel, the Robert F. Kennedy Bridge, the Throgs Neck Bridge and the Verrazano-Narrows Bridge. The toll violation fee shall be in addition to the applicable crossing charge and any fines and penalties otherwise prescribed by law or by agreement.
3. A Notice of Violation shall be sent by the Authority's authorized agent ("Authorized Agent") to the individual or business alleged to be liable for the toll violation as owner and shall contain:
 - (a) the name and address of the individual or business alleged to be liable for the toll violation as owner;
 - (b) the registration number and state of the vehicle alleged to have been involved in the violation;
 - (c) the location, date and time of each use of the facility that forms the basis of such violation;
 - (d) the amount of the assessed toll and toll violation fee; and
 - (e) an image of the license plate of the vehicle being used or operated on the toll facility, provided that an image of each such license plate in the Notice of Violation shall be provided by the Authorized Agent upon request.

4. The individual or business alleged to be liable for the toll violation as owner may dispute the violation by submitting a Declaration of Dispute to the Authorized Agent at the time and place and in the manner established in the Notice of Violation and such toll violation and associated toll violation fee shall be dismissed if such individual or business provides a certification that:
 - (a) The individual or business was not the registered owner of the vehicle at the time of the toll transaction that forms the basis of such alleged violation and submits to the Authorized Agent: (i) a copy of the plate surrender receipt from the Department of Motor Vehicles; (ii) proof of sale of the vehicle; (iii) a copy of the report to a law enforcement agency that the plate was lost; and/or (iv) a copy of the report to a law enforcement agency that the vehicle was stolen; or
 - (b) The toll was paid by E-ZPass and the toll posted to an E-ZPass Account and submits to the Authorized Agent a copy of the E-ZPass statement showing the toll posting; or
 - (c) The toll was paid in cash at the time and submits to the Authorized Agent a copy of the toll receipt; or
 - (d) The registered owner's vehicle was not present at the facility at the time of the violation(s) or for other good cause shown.
5. If the owner is a vehicle rental or leasing company which seeks to perform a Transfer of Responsibility to the vehicle lessee or renter, the owner shall submit to the Authorized Agent at the time and place and in the manner established in the Notice of Violation a signed lease or rental agreement and certification of the name and address of the lessee or renter of the vehicle at the time of the toll transaction that forms the basis for the violation. A Notice of Violation or toll invoice shall be sent by the Authorized Agent to such lessee or renter within forty-five days of receipt of the signed lease or rental agreement and certification and such lessee or renter shall be deemed to the owner of such vehicle and shall be liable for the payment of tolls and any toll violation fees.
6. The Authorized Agent shall send the owner a written determination of the Declaration of Dispute under subdivision four.
 - (a) The owner may request a review by the Authority of the Authorized Agent's determination of the Declaration of Dispute by submitting a Request for Review to the Authority at the place and time and in the matter established in the Authorized Agent's written determination of the Declaration of Dispute.
 - (b) The Authorized Agent's determination of the Declaration of Dispute under subdivision four shall be final and binding on the owner unless overturned by the Authority upon review.
 - (c) The Authority's determination of the owner's Request for Administrative Review shall be final and binding on the owner unless overturned by a Court of competent jurisdiction of the State of New York, County of New York, under Article 78 of the New York Civil Practice law and Rules or a United States Court located in New York City, under the procedures and laws applicable in that court.
7. The individual or business alleged to be liable for each toll violation as owner shall be liable for each unpaid toll and toll violation fee unless: (i) such unpaid toll and/or toll violation fee has been dismissed under subdivision four or subdivision six; (ii) there has been a Transfer of Responsibility under subdivision five; or (iii) after payment of such toll, the toll violation fee has

been dismissed or reduced under the Fee Waiver Policy adopted by the Authority. Such owners who fail to pay each toll and toll violation fee in response to a Notice of Violation may also have their vehicle registrations suspended under vehicle and traffic law section 510(3)(d) and implementing regulations.



Bridges and Tunnels

Procurements January 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	01/11/2017
Vendor Name	
Contract Number	
Contract Manager Name	
Table of Contents Ref #	

Board Action					
Order	To	Date	Approval	Info	Other
1	President	01/11/17	<i>DS</i>		
2	MTA B&T Committee	01/23/17			
3	MTA Board	01/25/17			

Internal Approvals			
Order	Approval	Order	Approval
	President		VP Operations
	Executive Vice President		VP & Chief Engineer
<i>mmt</i>	SVP & General Counsel		VP & Chief Procurement Officer <i>mmt</i>
	VP Administration		

Internal Approvals (cont.)							
Order	Approval	Order	Approval	Order	Approval	Order	Approval
	Chief Financial Officer		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 Two-Thirds Vote:</u>	<u># of Actions</u>	<u>\$ Amount</u>
Schedule C: Competitive Requests for Proposals	1	\$18.500M
 <u>Schedules Requiring Majority Vote:</u>	 <u># of Actions</u>	 <u>\$ Amount</u>
Schedule F: Personal Service Contracts	2	\$ 10.167M
Schedule I: Modifications to Purchase & Public Works Contracts	1	\$ 24.200M
SUBTOTAL	4	\$ 52.867M

MTA B&T presents the following procurement actions for Ratification:

<u>Schedules Requiring Two-Thirds Vote:</u>	<u># of Actions</u>	<u>\$ Amount</u>
Schedule D: Ratification of Completed Procurement Actions	1	\$ 0.470M
TOTAL	5	\$53.337M

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
JANUARY 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. Tully Construction Co. Inc. | \$18,500,000.00 | <u>Staff Summary Attached</u> |
| Contract No. RK-21 | | |

3yr 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 Fire Standpipe and Upgrade to the Fire Protection System at the Robert F. Kennedy Bridge (RFK) to Tully Construction Co. Inc.

Procurements Requiring Majority Vote:

F: Personal Service Contracts
(Staff Summaries required for items greater than: \$100K Sole Source; \$250K Other Non-Competitive; \$1M Competitive)

- | | | |
|------------------------------------|-----------------------|--------------------------------------|
| 1. EnTech Engineering, P.C. | \$7,199,171.00 | <u>Staff Summary Attached</u> |
| Contract No. PSC-15-2983 | | |

4yrs, 4 months Contract- Competitive RFP

B&T is seeking Board Approval under the All Agency Service Contract Procurement Guidelines to award personal service contract, PSC-15-2983 Construction Administration and Inspection Services, for Project HH-88B, Reconstruction of the Upper and Lower Level Toll Plazas and Southbound Approach at the Henry Hudson Bridge.

- | | | |
|--|-----------------------|--------------------------------------|
| 2.HAKS Engineers, Architects &
Land Surveyors, P.C. | \$2,967,601.87 | <u>Staff Summary Attached</u> |
| Contract No. PSC-16-2992 | | |

3yrs, 6 months Contract- Competitive RFP

B&T is seeking Board Approval under the All Agency Service Contract Procurement Guidelines to award a personal service contract for Design/Build Quality Oversight for Project TUN-MIT-01, Flood Mitigation for the Hugh L. Carey and Queens Midtown Tunnel.

LIST OF COMPETITIVE PROCUREMENTS FOR BOARD APPROVAL
JANUARY 2017

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)


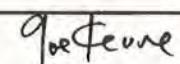
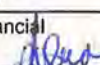
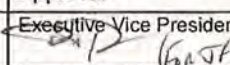
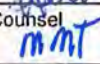

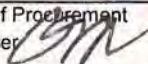
1. DeFoe Corp.	\$24,200,000.00	<u>Staff Summary Attached</u>
Contract No. RK-23A		

3yr Contract- Competitive Bid

B&T is seeking Board Approval under the All Agency General Contract Procurement Guidelines to amend a public works contract, Contract RK-23A, for the necessary civil, structural and electrical infrastructure for Open Road Tolling (ORT) at the Manhattan approach to the Robert F. Kennedy Bridge.

Staff Summary

Page 1 of 2

Item Number Item 1 (Final)					
Dept & Dept Head Name:  Engineering and Construction, Walter Hickey, P.E.					
Division & Division Head Name:  Engineering and Construction, Joe Keane, P.E., V.P.					
Board Reviews					
Order	To	Date	Approval	Info	Other
1	President	1/11/17			
2	MTA B&T Committee	1/14/17			
3	MTA Board	1/24/17			
Internal Approvals					
Order	Approval	Order	Approval		
1	Chief Financial Officer 	4	Executive Vice President 		
2	General Counsel 	5	President 		
3	Chief Procurement Officer 				

SUMMARY INFORMATION	
Vendor Name Tully Construction Co Inc.	Contract Number RK-21
Description: Design/Build Services for the Installation of Fire Standpipe & Upgrade to Fire Protection System at the Robert F. Kennedy Bridge	
Total Amount \$18,500,000	
Contract Term (including Options, if any) 3 years	
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 Fire Standpipe and Upgrade to the Fire Protection System at the Robert F. Kennedy Bridge (RFK) to Tully Construction Co Inc. (Tully) for a period of 3 years at a cost of \$18,500,000.00. In accordance with the MTA Design-Build Best Practice Guidance, in order to enhance competition and defray proposal costs, this solicitation included stipends to be paid to each unsuccessful proposer in the amount of \$35,000 whose proposal met a defined standard. Accordingly, approval is also requested to pay stipends totaling \$70,000.

II. DISCUSSION

In November 2015, the Board authorized B&T to enter into a competitive Request for Proposal (RFP) process for design-build services for the Installation of Fire Standpipe and Upgrade to the Fire Protection System at the Robert F. Kennedy Bridge (RFK). The work requires the design and construction of a new fire standpipe in specified areas of the RFK Bridge including the Bronx Span, Manhattan Harlem River Lift span, Randall's and Ward's Island viaducts, and the Queens Approach Viaduct and upgrades to existing fire protection systems including new bollards and other approved barriers to protect both new and existing fire department connections from vehicular damage.

The service requirements were publicly advertised; three firms submitted qualification information and based on a review of their qualifications, all three firms were deemed qualified to receive the RFP. All three firms submitted proposals: Jett Industries, Inc. (Jett), John P. Picone, Inc. (Picone) and Tully Construction Co., Inc. (Tully). The proposals were evaluated

Staff Summary

Page 1 of 2

Item Number 1 (Final)					
Dept & Dept Head Name: Engineering and Construction, Joe Keane, P.E. <i>Joe Keane</i>					
Division & Division Head Name: Engineering and Construction Walter Hickey, P.E. <i>Walter Hickey 1/3/17</i>					
Board Reviews					
Order	To	Date	Approval	Info	Other
1	President	1/5/17			
2	MTA B&T Committee	1/23/17			
3	MTA Board	1/25/17			
Internal Approvals					
Order	Approval	Order	Approval		
1	Chief Financial Officer <i>[Signature]</i>	4	Chief of Staff		
2	General Counsel <i>[Signature]</i>	5	Executive Vice President		
3	Chief Procurement Officer	6	President <i>[Signature]</i>		

SUMMARY INFORMATION	
Vendor Name EnTech Engineering, PC. (WBE)	Contract Number PSC-15-2983
Construction Administration and Inspection Services for Project HH HH-88B, Reconstruction of the Upper and Lower Level Toll Plazas and Southbound Approach at the Henry Hudson Bridge	
Total Amount \$7,199,171	
Contract Term (including Options, if any) Four (4) years, four (4) 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 Service Contract Procurement Guidelines to award a personal service contract PSC-15-2983 Construction and Administrative Services for Project HH-88B, Reconstruction of the Upper and Lower Level Toll Plazas and Southbound Approach at the Henry Hudson Bridge to EnTech Engineering, PC (EnTech) located at 11 Broadway, New York, NY 10004 for a duration of four (4) years, four (4) months in the amount of \$7,199,171.

II. DISCUSSION

B&T requires the services of a consulting engineering firm to provide the construction administration and inspection services necessary to assist B&T's Engineering and Construction Department in the oversight of construction work to be performed under Project HH-88B/HH-13A, Reconstruction of the Upper and Lower Level Toll Plazas and Southbound Approach at the Henry Hudson Bridge.

The services to be provided are: (i) pre-construction; (ii) construction administration and inspection; and (iii) project closeout. The construction Scope of Work includes but is not limited to: (i) removal and reconstruction of the upper and lower level plazas at the HHB; (ii) demolition and reconstruction of North and South bound approach roadways; (iii) relocation of existing and installation of new electrical/utility feeds; (iv) reconstruction of the on-grade approach; (v) replacement of roadway joints, deck and support bearings; (vi) relocation of lower level interior support columns to the outside edge of the roadway; (vii) replacement of the south abutment and wing wall; (viii) rock excavation and tieback system installation; (ix) removal of contaminated soils and underground fuel storage tanks; (x) replacement and rehabilitation of sewage holding tanks and (xi) abatement of lead and asbestos containing materials.

(rev. 3/22/07)

Staff Summary

Page 2 of 2

The service requirements were publicly advertised, nine firms submitted qualification information. Four firms: EnTech Engineering, PC (EnTech); HAKS Engineers, Architects and Land Surveyors, PC (HAKS); Gibbons, Esposito & Boyce Engineers, PC (GEB) and STV, Inc. (STV) were selected to receive the RFP. All four firms submitted proposals. The proposals were evaluated against established criteria set forth in the RFP, including an understanding of the technical requirements, expertise of the proposed personnel, and cost. The Selection Committee unanimously recommended that B&T enter into negotiations with EnTech, the highest rated firm. The recommendation stressed the strength of EnTech's proposed team. The Resident Engineer, Assistant Resident Engineer and Chief Inspector all demonstrated extensive structural steel experience, which is a critical aspect of the Project. EnTech's team also demonstrated experience and expertise in other critical areas that include: temporary support systems; maintenance and protection of traffic; traffic management and staged bridge demolition and reconstruction.

EnTech submitted a cost proposal in the amount of \$8,699,389. The Engineer's estimate is \$7,197,000. Negotiations resulted in B&T and EnTech agreeing to the negotiated amount totaling \$7,199,171 which is .03% above the Engineer's estimate and is fair and reasonable. EnTech's proposal is deemed most advantageous to B&T. EnTech is considered a responsible consultant.

III. D/M/WBE INFORMATION

The MTA Department of Diversity and Civil Rights has established goals of 15% MBE and 15% WBE for the referenced contract. EnTech is a certified Woman Business Enterprise and EnTech has achieved their M/WBE goals on previous MTA contracts.

IV. IMPACT ON FUNDING

Funding is available in the 2015 – 2019 Capital Program under Project HH-88B (\$6,399,171) and Project HH-13A (\$800,000).

V. ALTERNATIVES

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

(rev. 3/22/07)

Staff Summary

Page 1 of 2

Item Number 2 (Final)					
Dept & Dept Head Name: Engineering & Construction					
Joe Keane, P. E. <i>Joe Keane</i>					
Division & Division Head Name:					
Romolo DeSantis, P. E. <i>Romolo DeSantis</i>					
Board Reviews					
Order	To	Date	Approval	Info	Other
1	President	1/5/17			
2	MTA B&T Committee	1/23/17			
3	MTA Board	1/25/17			
Internal Approvals					
Order	Approval	Order	Approval		
1	Chief Financial Officer <i>[Signature]</i>	4	Executive Vice President		
2	General Counsel <i>[Signature]</i>	5	President <i>[Signature]</i>		
3	Chief Procurement Officer <i>[Signature]</i>				

SUMMARY INFORMATION	
Vendor Name	Contract Number
HAKS Engineers, Architects & Land Surveyors, P.C.	PSC-16-2992
Description	
Design-Build Quality Oversight for Project TUN-MIT-01, Flood Mitigation at the Hugh L. Carey Tunnel and Queens Midtown Tunnel	
Total Amount	
\$2,967,601.87	
Contract Term (including Options, if any)	
Three (3) years, six (6) 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 checked="" type="checkbox"/> Federal <input type="checkbox"/> Other:	

Narrative

I. PURPOSE/RECOMMENDATION

B&T is seeking Board approval under the All Agency Service Contract Procurement Guidelines to award a personal service contract for Design/Build Quality Oversight for Project TUN-MIT-01, Flood Mitigation for the Hugh L. Carey Tunnel and Queens Midtown Tunnel to HAKS Engineers, Architects & Land Surveyors, PC (HAKS) located at 40 Wall Street, New York, NY 10005 in the negotiated amount of \$2,967,601.87 for a duration of three (3) years, six (6) months.

II. DISCUSSION

B&T requires the services of a consulting engineering firm to provide quality assurance oversight and administration services during the Design/Build (D/B) contract for Project TUN-MIT-01, Flood Mitigation at the Hugh L. Carey and Queens Midtown Tunnels. The services that shall be provided include: (i) reviewing D/B compliance with all Contract requirements; (ii) design quality assurance oversight; (iii) reviewing design submittals; (iv) monitoring the progress of the D/B Contract work; (v) construction quality assurance oversight; (vi) acting as the on-site representative for B&T; (vii) evaluating the Design/Builder's payment requests; (viii) preparing and submitting monthly project reports; and (ix) performing project closeout.

The service requirements were publicly advertised and seven (7) firms submitted qualification information. All seven

Staff Summary

firms, HAKS Engineers, Architects, & Land Surveyors PC (HAKS), Mott MacDonald, NY, (MMNY), LiRo Engineers, Inc. (LiRo), STV, Inc. (STV), SYSTRA Engineering, Inc.; Tectonic Engineering & Surveying Consultants P.C. (Tectonic), and WSP/Parsons Brinkerhoff (WSP/PB) were selected to receive the RFP based on a review of their qualifications. Five (5) firms: HAKS, LiRo, MMNY, Tectonic and WSP/PB submitted proposals. The proposals were evaluated against established criteria set forth in the RFP, including an understanding of the technical requirements and expertise, proposed personnel, oral presentations and cost. The Selection Committee unanimously recommended that B&T should enter into negotiations with HAKS. The recommendation stressed HAKS's extensive experience providing QA oversight for a similar design-build flood mitigation project. HAKS also has demonstrated strong experience and knowledge of B&T facilities. HAKS emphasized the importance of Operation and Maintenance manuals (O&M), which is of particular importance to this project given the rapid response required during a storm event. In addition, HAKS' cost proposal represented the best value to B&T.

HAKS submitted a cost proposal in the amount of \$3,095,776. The Engineer's estimate is \$4,433,000. Discussions and negotiations resulted in B&T and HAKS agreeing to the negotiated amount totaling \$2,967,601.87. The cost estimate is 33.1% higher than the negotiated amount and is primarily attributed to higher estimated hourly rates. The negotiated amount of \$2,967,601.87 is considered fair and reasonable.

After investigation by B&T, HAKS was found to be responsible notwithstanding significant adverse information (SAI) pursuant to the All-Agency Responsibility Guidelines and such responsibility finding was approved by the MTA Chairman/CEO in consultation with the MTA General Counsel on January 12th, 2017.

III. D/M/WBE INFORMATION

The MTA Department of Diversity and Civil Rights has established goals of 15% MBE and 15% WBE for the referenced contract. HAKS has achieved their M/WBE goals on previous MTA contracts.

IV. IMPACT ON FUNDING

Funding is available in the 2010-2014 Sandy Capital Program under Projects ED010301 (\$1,483,800.94), ED010304 (\$1,083,174.68), ED050303 (\$385,788.24) and the 2015-2019 Capital Program under Project D703HC63 (\$14,838.01).

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: 1 (Final)

Vendor Name (& Location) DeFoe Corp., Mount Vernon, NY	Contract Number RK-23A	AWO/Modification #9
Description Reconstruction and Rehabilitation of the 125 th Street Manhattan Approach Ramps to the RFK Bridge	Original Amount:	\$68,300,000.70
Contract Term (including Options, if any) December 22, 2014 – December 21, 2017	Prior Modifications:	\$651,660.01
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:	\$68,951,660.71
Solicitation Type <input type="checkbox"/> RFP <input checked="" type="checkbox"/> Bid <input type="checkbox"/> Other:	This Request:	\$24,200,000.00
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:	35.1%
Requesting Dept/Div & Dept/Div Head Name: Engineering & Construction, Joe Keane, P.E.	% of Modifications (including This Request) to Original Amount:	36.4%

Discussion:

B&T is seeking Board Approval under the All Agency General Contract Procurement Guidelines to amend a public works contract, Contract RK-23A, with DeFoe Corp. (DeFoe) for the necessary civil, structural and electrical infrastructure for Open Road Tolling (ORT) at the Manhattan approach to the Robert F. Kennedy Bridge in the negotiated amount of \$24,200,000.00.

The Contract was awarded to DeFoe in December 2014 in the amount of \$68,300,000.70 (inclusive of an incentive totaling \$1,165,440.00) subsequent to a competitive sealed bid process. The Scope of Work required replacing the on-and off-bound ramps from 125th Street in Manhattan to the RFK Bridge and incidental lead abatement and maintenance and protection of traffic.

On October 5, 2016, New York State Governor Cuomo announced the implementation of cashless all-electronic ORT for adoption at all B&T facilities as part of the New York Crossings Project. As a result, B&T is embarking on full implementation of ORT at Authority facilities which requires necessary civil, structural and electrical infrastructure construction work to install ORT gantries prior to the installation of E-ZPass tag readers, cameras, system software and integration that is to be performed by others. Additionally, portions of the deck will be replaced to avoid interfering with ORT functioning and maintain the roadway in a state of good repair, and Toll Booths will be demolished to move to a fully open road environment.

The goals for the ORT implementation are to reduce customer travel time, reduce congestion at B&T's facilities, as well as reduction of vehicular exhaust emissions caused by idling traffic. B&T has determined that the most reliable and expeditious means to accomplish the implementation of ORT at the Manhattan approach to the RFK Facility is to amend Contract RK-23A. Efficiencies realized by amending Contract RK-23A include mobilization cost savings, early commitment for long lead items, enhanced coordination and overall reduction of project schedule and risk. In addition, including this work in an existing contract where the contractor is mobilized at the site minimizes the duration of customer delays due to lane closures, ensures safe passage and restores the facility to a state of good repair and normal operations in an expedited manner.

Existing Toll Booths at Manhattan Plaza must be demolished in order to facilitate an "open road" environment. In addition, interim deck replacement for the Manhattan Toll Plaza must be completed in the same time frame to ensure customer comfort and safety. The original plan was to complete the deck repair work as part of the Manhattan Plaza Interim Deck Restoration under RK-65B.

DeFoe's cost proposal of \$26.4M includes the installation of ORT gantries, replacement of portions of the deck, and a not-to-exceed allowance of \$4,000,000 for toll booth demolition. The Engineer's estimate is \$22.8M.

Negotiations resulted in B&T and DeFoe agreeing to the amount of \$24,200,000.00, which is 6.1% above the Engineer's estimate. During negotiations it was discovered that the Engineer's estimate did not account for applicable wage rate increases and the latest design revisions. It was agreed to include an allowance of \$4,000,000 for toll booth demolition. Therefore, based on the above, the agreed aggregate amount of \$24,200,000.00 is considered to be fair and reasonable. In order to meet the current ORT implementation schedule, B&T authorized DeFoe to proceed in an amount not to exceed \$687,000 to order long lead time items and begin preliminary work.

Funding for the proposed ORT infrastructure and civil work at the Manhattan approach to the RFK in the amount of \$12,500,000.00 is available in the 2015-2019 Capital Program (Project D703/RK63/D03950)., \$11,700,000.00 is available in the 2015-2019 Capital Program (Project D702RK65/D03965). The strategy for funding the ORT initiatives will be through a combination of efficiencies generated from other projects including existing toll plaza work that did not assume open road tolling as the means of toll collection. No critical state of good repair work is affected as a result of these programmatic modifications.



Bridges and Tunnels

Ratification



LIST OF RATIFICATION PROCUREMENTS FOR BOARD APPROVAL
JANUARY 2017

MTA BRIDGES & TUNNELS

Procurements Requiring Two-Thirds Vote:

D: Ratification of Completed Procurement Actions

(Ratifications are to be briefly summarized with Staff Summaries attached only for unusually large or especially significant items)

- | | | |
|---------------------------------------|---------------------|--------------------------------------|
| 1. ANC Sports Enterprises, LLC | \$469,662.00 | <u>Staff Summary Attached</u> |
| Contract No. 16-MNT-2962 | | |

1yr Contract- Non-Competitive Other (Prototype Contract)

B&T is seeking to inform the Board and obtain its ratification for the award of a contract for the purchase and installation of a prototype LED roadway display sign on the Bronx Truss of the Robert F. Kennedy Bridge (RFK) with ANC Sports Enterprises, LLC.

Schedule D: Ratification of Completed Procurement Actions

Item Number: 1 (Final)

Vendor Name (& Location) ANC Sports Enterprises, LLC, Purchase, New York	Contract Number 16-MNT-2962	Renewal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Description Prototype Installation of LED Roadway Display Sign on the Bronx Truss Span of the Robert F. Kennedy Bridge	Total Amount: \$469,662.00	
Contract Term (including Options, if any) September 29, 2016 – September 28, 2017	Funding Source <input type="checkbox"/> Operating <input checked="" type="checkbox"/> Capital <input type="checkbox"/> Federal <input type="checkbox"/> Other:	
Option(s) included in Total Amount? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Requesting Dept/Div & Dept/Div Head Name: Maintenance and Operations/Patrick Parisi	
Procurement Type <input type="checkbox"/> Competitive <input checked="" type="checkbox"/> Non-competitive	Contract Manager: Brian A. Walsh	
Solicitation Type <input type="checkbox"/> RFP <input type="checkbox"/> Bid <input checked="" type="checkbox"/> Other: Prototype Contract		

Discussion:

To inform the Board and obtain its ratification for the award of a contract for the purchase, installation, maintenance and graphic services of a prototype LED roadway display sign on the Bronx Truss of the Robert F. Kennedy Bridge (RFK) to ANC Sports Enterprises, LLC, (ANC) with offices located at 2 Manhattanville Road, Purchase, New York 10577, in the negotiated amount of \$469,662.

In conjunction with the New York Crossings Project, the MTA and B&T are undertaking new initiatives and exploring new technologies to improve and upgrade its facilities, which includes upgrading signage. B&T desired to demonstrate, evaluate and test the applicability of a technologically advanced sign as a pilot project and installed a prototype high resolution LED sign on the Bronx Truss of the RFK Bridge. B&T installed this sign and is monitoring its ability to provide a multitude of data including directional sign information, message sign advisories, enhanced sign visibility and clarity, brightness and dimming; performance and durability regarding vibration, life cycle cost and obsolescence. The purpose of this pilot LED message and display sign is to provide information regarding the potential future applicability of utilizing high resolution LED message and display signs at strategic locations at B&T facilities, in lieu of metal and current variable message signs. The information obtained from this pilot program is enabling B&T to develop performance specifications for its upcoming Request For Proposal to competitively procure technologically advanced signage intended to best meet its current and future needs.

ANC was selected as a leading provider of turnkey technologies for high resolution video display, digital signage for transportation hubs, retail facilities and sports venues. ANC currently provides signage for the Fulton Center transportation hub as well as the World Trade Center. Initially, B&T contemplated leasing the prototype LED sign for the pilot but a cost analysis determined that it was more advantageous for B&T to purchase the sign due to the fixed costs of the engineering and structural retrofitting to mount the sign, providing electrical power and communication to the sign location, graphic design services, the continuous monthly rental cost of the sign and the extended duration that the sign is to be evaluated and in service.

ANC submitted pricing to furnish, install, maintain and provide graphic services in an amount totaling \$469,662. The price to rent the LED display for twelve weeks, through December 31, 2016 was \$429,205 and \$8,100/week additional rental charges thereafter. The estimate totals \$441,803. After review of the costs incurred and potential future rental costs, B&T determined it most advantageous to purchase the prototype LED display sign in the amount of \$469,662, which is 6.3% above the estimate and is considered fair and reasonable.

Funding in the amount for \$469,662 is available in the 2015-2019 Capital Program (Project D704AW80). Funds are being reallocated in the 2015-2019 Capital program to establish Project D704AW81 for the "Installation of Digital Roadway Signage at all Facilities". This action modifies B&T's 2015-2019 Capital Program to reflect this new project.