



Metropolitan Transportation Authority

# Bridges and Tunnels Committee Meeting

July 2016

# **Bridges & Tunnels Committee Meeting**

**2 Broadway, 20th Floor Board Room**

**Monday, 7/25/2016**

**12:00 - 12:30 PM ET**

## **1. Public Comments Period**

## **2. Approval of Minutes - June 2016**

*BT Committee Minutes - June 2016 - Page 3*

## **3. Approval of Committee Work Plan**

*BT Committee Work Plan - Page 8*

## **4. Report on Operations - May 2016**

*BT Report on Operations - May 2016 - Page 15*

## **5. Safety Report - May 2016**

*BT Safety Report - May 2016 - Page 28*

## **6. E-ZPass Performance Report - May 2016**

*BT E-ZPass Performance Report - May 2016 - Page 30*

## **7. Financial Report - May 2016**

*BT Financial Report - May 2016 - Page 36*

## **8. Capital Program Project Status Report - June 2016**

*BT Capital Program Project Status Report - June 2016 - Page 50*

## **9. Procurements**

*BT Procurements - July 2016 - Page 65*

## **Competitive**

*BT Competitive - Page 68*

Date of next meeting: Monday, September 26, 2016 at 12:00 p.m.



# **Bridges and Tunnels**

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## **Minutes of Committee Meeting June 2016**

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

**June 20, 2016**

**11:30 a.m.**

In attendance were the Honorable:

Mitchell H. Pally

Also in Attendance:  
Andrew Albert  
Charles G. Moerdler

Donald Spero, President  
Pashko Camaj, Acting Vice President of Safety and Health Initiatives  
Angelo Cerbone, Assistant Vice President and Controller  
James Fortunato, Executive Vice President and Chief of Operations  
Sharon Gallo-Kotcher, Vice President Administration  
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 Operations  
M. Margaret Terry, Senior Vice President and General Counsel

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

**June 20, 2016**

Minutes of TBTA Committee held June 20, 2016 at 11:30 a.m. A list of those in attendance is attached.

## **Public Speakers**

There was one public speaker. Murray Bodin stated that the world is changing and so is Bridges and Tunnels because it changes, listens and is interested in moving forward.

## **Minutes**

Upon a motion duly made and seconded, the Committee member who was present at the Committee Meeting considered and voted in favor of the minutes of the Committee Meeting held on May 23, 2016, although a Committee Quorum was not present.

## **Committee Work Plan**

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

Mr. Spero also remarked that preliminarily, TBTA had record traffic on June 17, 2016 of approximately 982,000 vehicles, which exceeded the 2003 traffic record.

## **Report on Operations**

With regard to the Report on Operations, Mr. Fortunato stated the following:

In April 2016, there were 25.5 million crossings as compared to 24.8 million crossings in April 2015, which is an increase of 2.5%; rainfall amounts totaled 1.7 inches over 11 days in April 2016 versus rainfall amounts of 1.8 inches over 8 days in April 2015; gas prices averaged \$2.17 per gallon in April 2016, which was \$0.35 lower than April 2015; E-ZPass volume increased in April 2016 by 3.2% as compared to April 2015, while crossings using cash and other payment methods decreased by 1.5%; passenger car travel was up by 2.9% and other vehicle travel decreased by 1.5%. Compared to the same periods last year, preliminary traffic figures for May 2016 are 1.9% higher. Memorial Day weekend traffic (Thursday through Monday) was 5.16% higher (4.2 million vehicles) than the 2015 Memorial Day weekend.

## **Safety Report**

With regard to the Report on Safety for April 2016, Mr. Camaj referred the Committee to the charts on page 30 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 5.68 to 6.33; the total customer injury collision rate increased from 0.94 to 1.03; the number of employee accident reports decreased from 277 to 237 or 14.4%; the rate for employee lost time injuries decreased from 5.6 to 5.3 or 5.4%; and the contractor lost time injury rate decreased from 3.29 to 2.12 or 35.6%. Mr. Camaj mentioned that leading indicator metrics regarding construction safety inspections have continued to increase. Commissioner Pally commented that it is interesting that employee and contractor rates go down yet customer rates go up at the same time and expects it is related to the amount of traffic.

## **E-ZPass Performance Report**

With regard to the E-ZPass Performance Report for April 2016, Mr. Spero stated that the E-ZPass market share was 86.0% or 0.6% higher than the prior April. A total of 21,005 E-ZPass accounts were opened in April 2016, including 9,920 E-ZPass On-the-Go, which is 47% of the accounts opened for the month and more than 1,000 On-the-Go tags were sold in the lanes over three different Saturdays in the last month. Commissioner

Albert commented that the Cross Bay Bridge was the only facility that had fewer E-ZPass customers than the year before and Mr. Spero stated that from a market share perspective it was slightly lower.

### **Financial Report**

Mr. Spero stated that through April 2016, toll revenue was \$582.3 million, which is \$24.5 million or 4.4% higher than plan. Traffic was 4.6% higher against the budget. Preliminary traffic figures for May indicate a 2.2% increase in traffic against plan (approximately 588,000 vehicles), and there is a 1.0% (approximately \$1.6 million) increase in revenue against the budget. Year to date traffic through April was up 6.8% year-over-year (approximately 6.1 million vehicles), and preliminary May traffic was up approximately 1.9%.

Total expenses through April were \$141.5 million, which is \$18.0 million or 11.3% lower than budget. Non-Labor spending was 10.8% lower than plan (\$7.1 million) due to timing of expenses and maintenance and other operating contracts. Labor expenses were approximately \$11.0 million lower (11.6%) as a result of payroll vacancies. Overtime was down 17.7% against plan or \$1.7 million due to the mild winter weather. Total support to mass transit was \$362.3 million, which is \$57.3 million or 18.8% better than plan.

### **Capital Program Status Report**

With regard to the Capital Program Status Report for May 2016, Mr. Keane stated that six commitments were made with a total value of \$26.0 million. Year-to-date, 37 commitments were made with a total value of \$63.0 million, which represents 41% of the planned \$151.8 million 2016 commitments. The most significant commitment was in connection with a Memorandum of Agreement with the New York City Department of Transportation for enabling work for future direct connector ramp construction between the Robert F. Kennedy Bridge and the Harlem River Drive Ramp for \$22.9 million. There were two project completions planned and achieved in May at the Throgs Neck Bridge. One was for a structural repair project and the other was for an Electronic Security System project totaling \$39.5 million. There were 42 task level closeouts in May with a value of \$32.9 million and there have been 59 task level closeouts year-to-date with a value of \$76.8 million.

Commissioner Albert asked when the new ramp from the Robert F. Kennedy Bridge to the Harlem River Drive would be finished. Mr. Keane responded that the work will begin in 2019 and he expects that it will be finished within two to three years – 2021 or 2022.

### **Procurements**

Mr. Masterson stated that there is one (1) procurement totaling \$1.9 million.

#### **Non-Competitive Procurements**

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

#### **Competitive Procurements**

Mr. Masterson stated that there is one (1) competitive procurement totaling \$1.9 million, which is a modification to a personal service contract for the joint venture of WSP Sells and HNTB to add funding for construction support services for RK-75, Interim Rehabilitation of the Manhattan Plaza at the RFK Bridge, and for RK-65A, Bronx Plaza Structure Rehabilitation. Commissioner Pally asked why there is a reference to a seven years and five months contract. Mr. Masterson responded that it has to do with the design and final construction support services not the construction itself.

#### **Modifications to Personal Service Contracts and Miscellaneous Service Contracts Awarded as Contracts for Services**

|                    |  |                |
|--------------------|--|----------------|
| WSP Sells/HNTB JV. | Contract No. PSC-11-2865                 | \$1,932,508.08 |
|                    | B&T is seeking Board approval under the  |                |
|                    | All-Agency Guidelines for Procurement of |                |

Services to amend this Contract with WSP Sells/HNTB JV. to add funding for construction support services for Project RK-75, Interim Rehabilitation of the Manhattan Plaza at the RFK Bridge and funding for additional construction support services for Project RK-65A, Bronx Plaza Structure Rehabilitation.

The Committee member who was present at the Committee Meeting considered and voted in favor of the competitive procurement, by a vote of one (1) in favor, although a Committee Quorum was not present.

#### **Ratifications**

Mr. Masterson stated that there are no ratifications.

Commissioner Moerdler mentioned a recurring Community Board issue regarding whether the southbound bicycle lane on the Henry Hudson Bridge can be expanded by moving the barriers toward the center of the Bridge. He believes that the change would present a historic landmark issue that would need to go through the State for approval and that if the lane were to be expanded it may not be feasible from a traffic standpoint. Mr. Spero agreed that TBTA would look into this matter.

#### **Adjournment**

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

Respectfully submitted,



Julia R. Christ  
Acting Assistant Secretary



# Bridges and Tunnels

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## Committee Work Plan

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# BRIDGES & TUNNELS COMMITTEE WORK PLAN

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## 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

### August 2016

No meeting scheduled.

### September 2016

Customer Environment Survey – 2nd Quarter 2016  
2017 Preliminary Budget  
Diversity Report – 2<sup>nd</sup> Quarter 2016

Operations  
Planning & Budget  
EEO

### October 2016

2017 Preliminary Budget

Planning & Budget

### November 2016

Customer Environment Survey – 3rd Quarter 2016  
2017 Preliminary Budget  
B&T Committee Charter – Review

Operations  
Planning & Budget  
MTA Board

### December 2016

2017 Proposed Committee Work Plan  
2017 Proposed Final Budget  
Diversity Report – 3<sup>rd</sup> Quarter 2016

Committee Chair & Members  
Planning & Budget  
EEO

### 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 – 4<sup>th</sup> Quarter 2016  
Diversity Report – 4<sup>th</sup> 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 – 1<sup>st</sup> Quarter 2017  
Diversity Report – 1<sup>st</sup> Quarter 2017

Operations  
EEO

June 2017

No items scheduled.

July 2017

No items scheduled.

## **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**

### **AUGUST 2016**

No meeting scheduled.

### **SEPTEMBER 2016**

#### Customer Environment Survey – 2nd 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.

#### 2017 Preliminary Budget

Agency will present highlights of the Preliminary Budget to the Committee. Public comment will be accepted on the 2017 Preliminary Budget.

#### Diversity Report – 2<sup>nd</sup> Quarter 2016

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

### **OCTOBER 2016**

#### 2017 Preliminary Budget

Public comment will be accepted on the 2016 Preliminary Budget.

### **NOVEMBER 2016**

#### Customer Environment Survey – 3rd 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.

#### 2017 Preliminary Budget

Public comment will be accepted on the 2016 Preliminary Budget.

#### B&T Committee Charter - Review

Review and assess the adequacy of the Charter annually.

### **DECEMBER 2016**

#### 2017 Proposed Committee Work Plan

The Committee Chair will present a draft Bridges and Tunnels Committee Work Plan for 2017 that will address initiatives to be reported throughout the year.

#### 2017 Proposed Final Budget

The Committee will recommend action to the Board.

#### Diversity Report – 3<sup>rd</sup> Quarter 2016

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

## **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 – 4<sup>th</sup> 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 – 1<sup>st</sup> 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.



# **Bridges and Tunnels**

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## **Report on Operations May 2016**

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## **MTA Bridges and Tunnels May 2016 Traffic Trends**

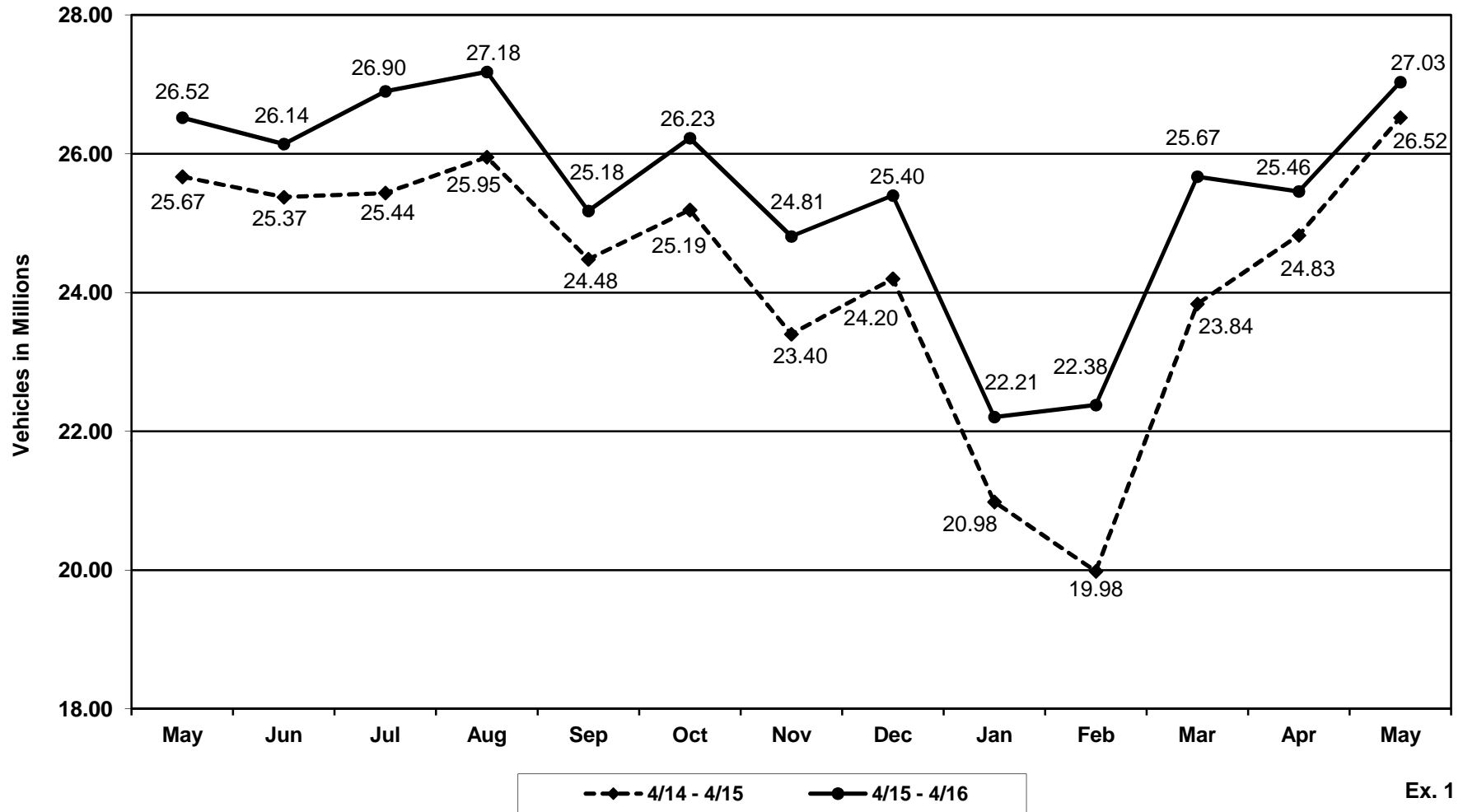
### **Summary**

Traffic was higher on a year-to-year basis, with 27.0 million crossings this month vs. 26.5 million crossings in May 2015 (Exhibit 1).

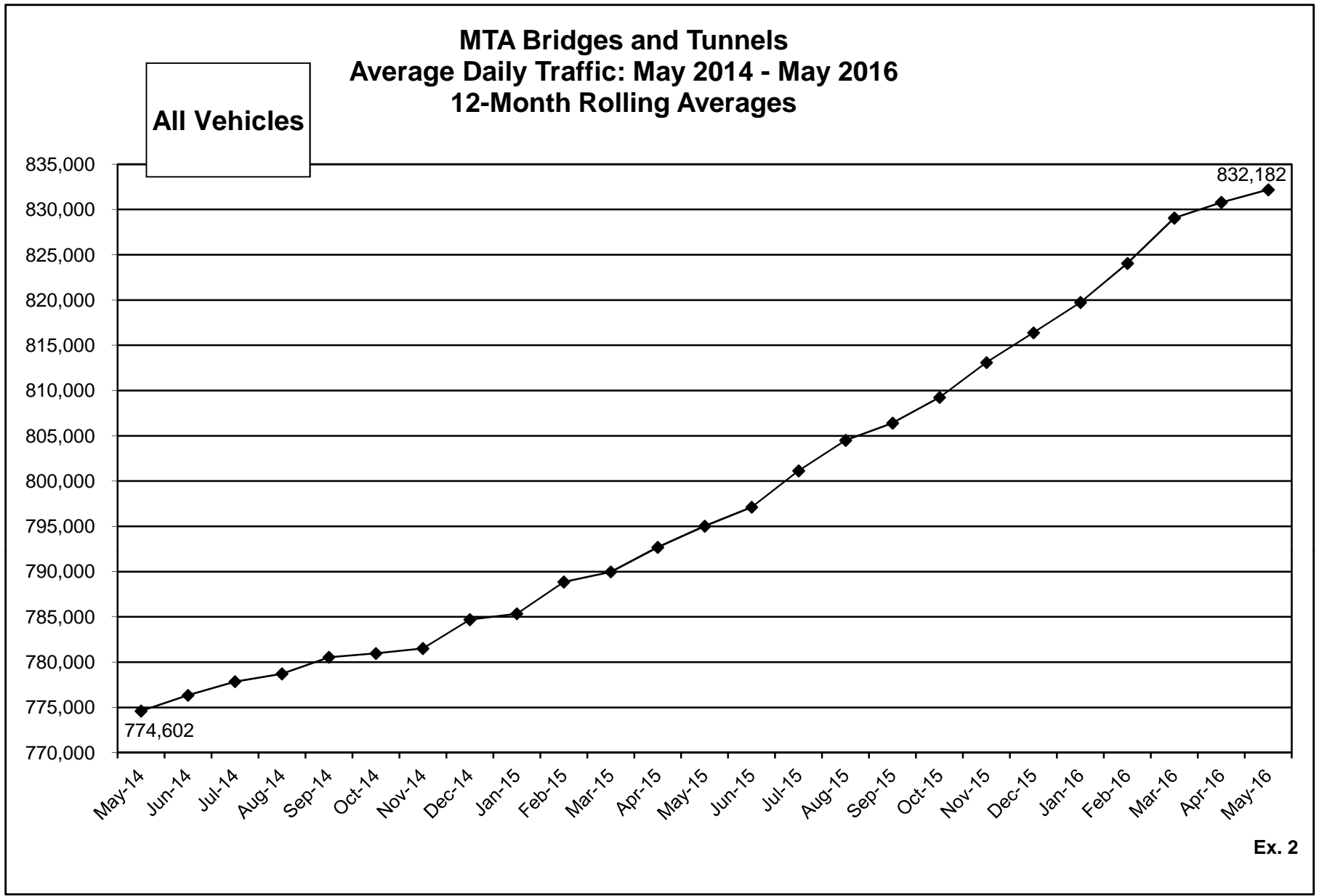
Rainfall this May was 3.9 inches over 11 days compared to 1.6 inches over 6 days in 2015. Gas prices averaged \$2.33 per gallon this May, which was \$0.45 less than last year at this time.

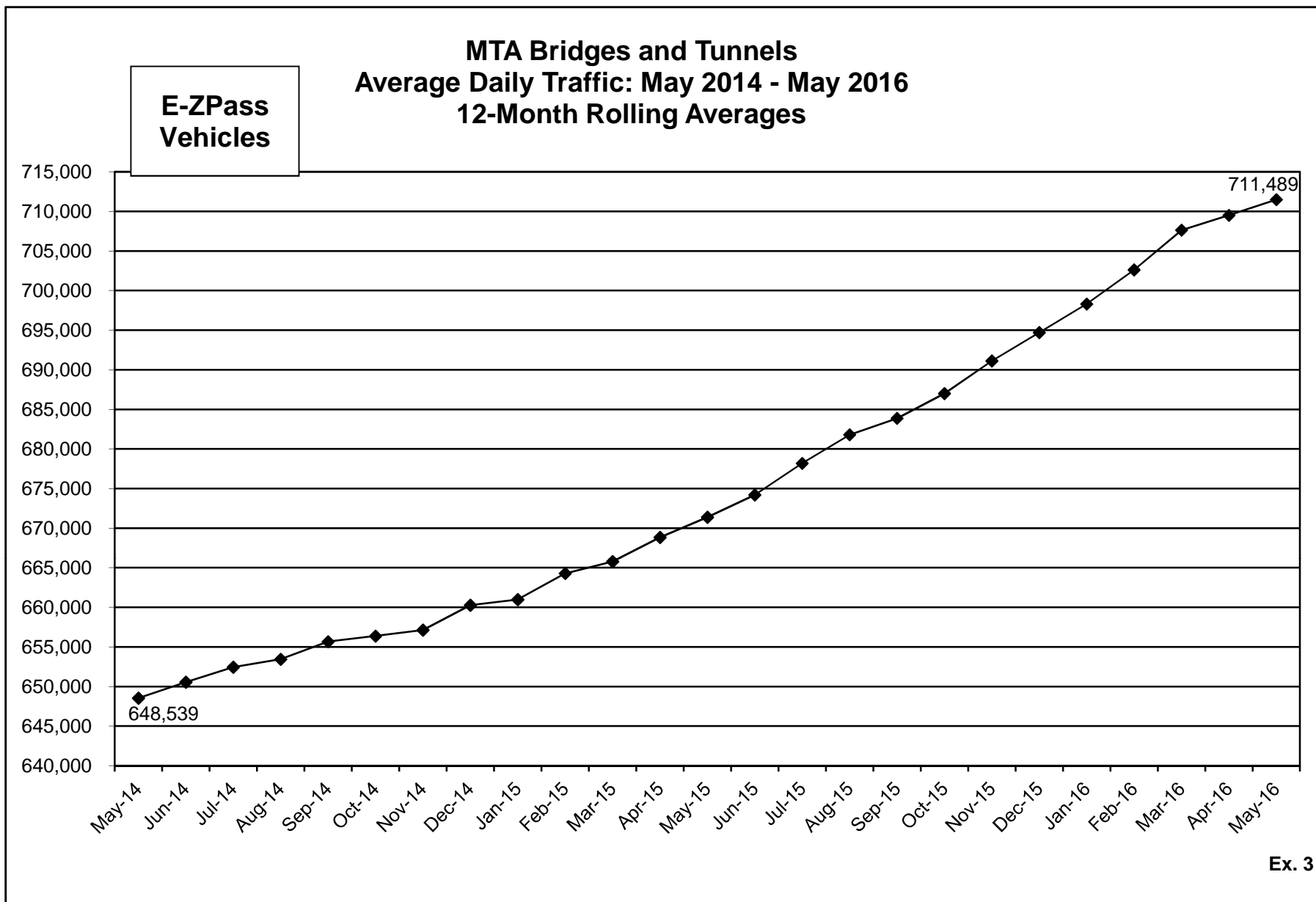
E-ZPass volume increased in May by 3.2% compared to the same month in 2015, while crossings using cash and other payment methods declined 5.3% (Exhibit 7). Passenger car travel was up 2.0% and other vehicle travel was up 1.0% from May of 2015 (Exhibit 8).

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



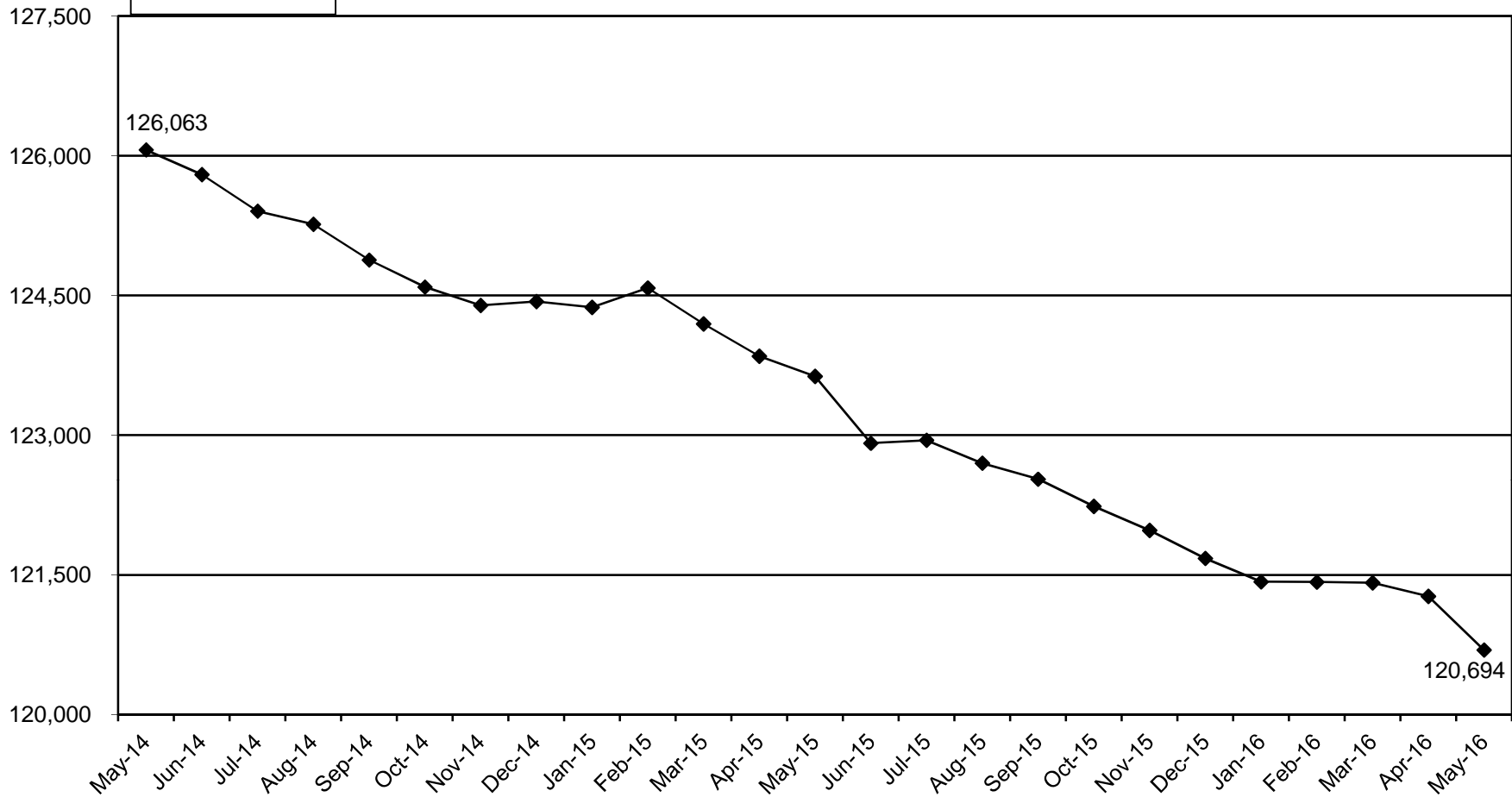
Ex. 1





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

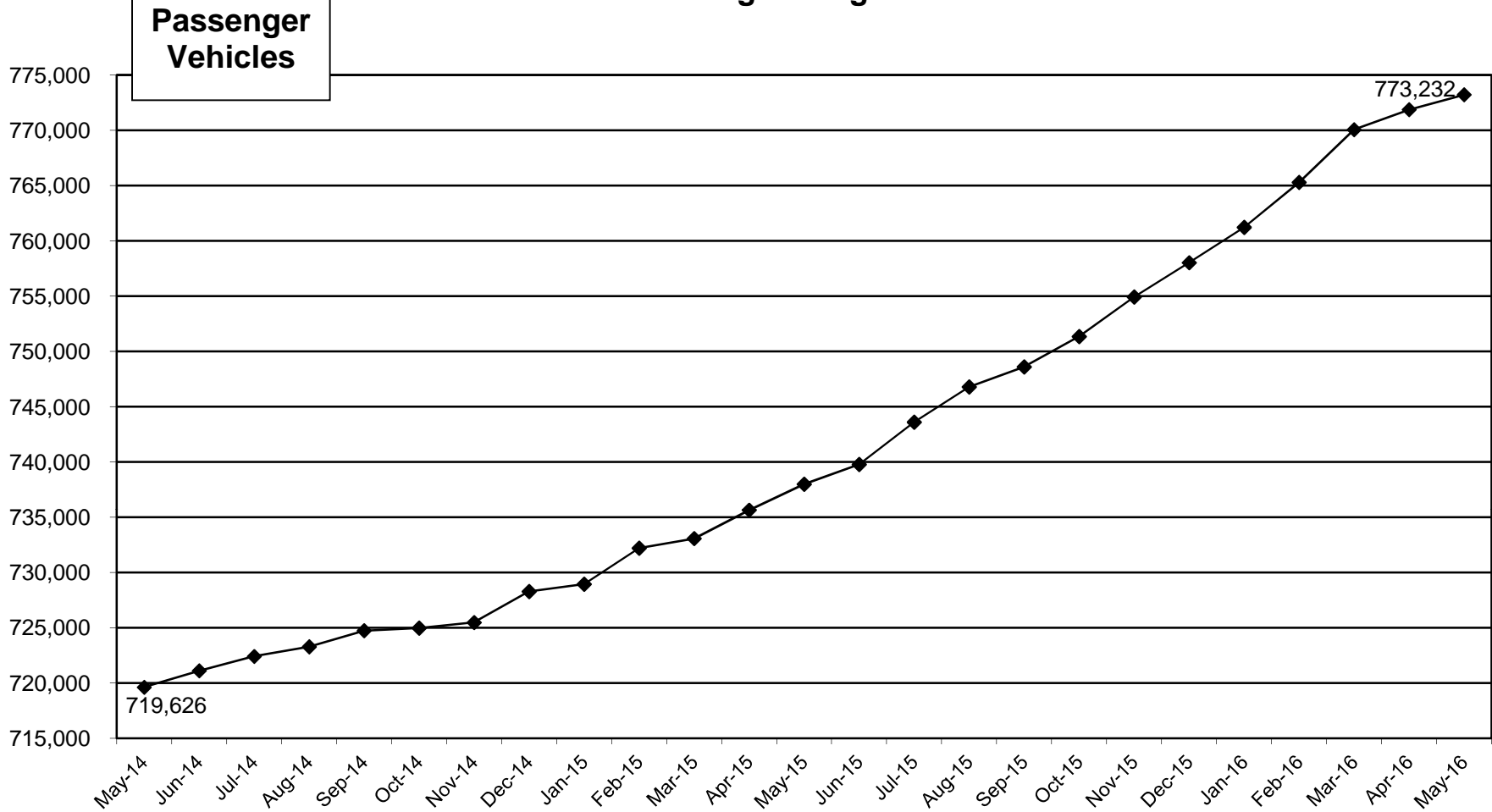
Cash  
Vehicles\*



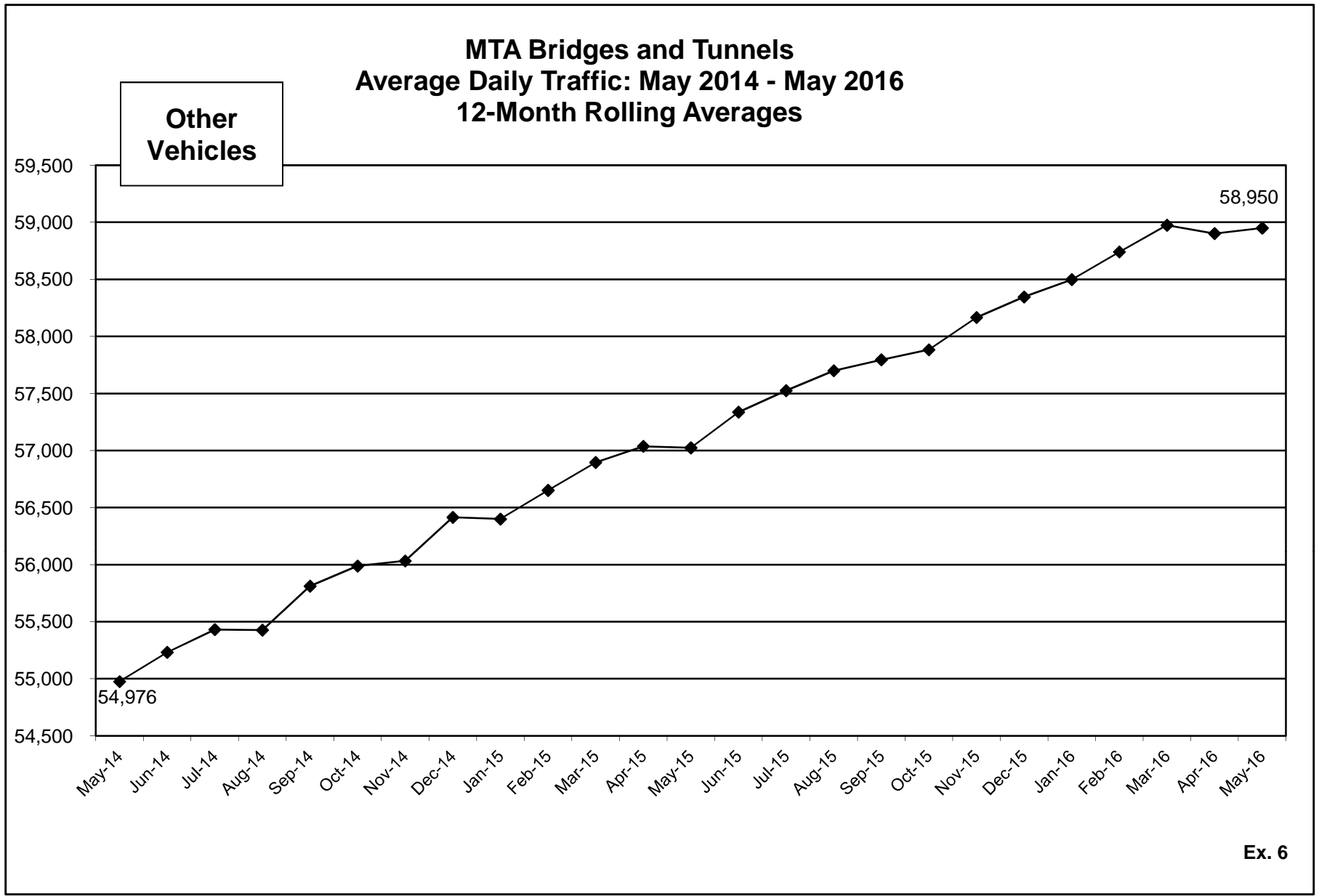
\*Includes token, ticket and Tolls by Mail transactions.

Ex. 4

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



**Ex. 5**



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

| Corridor  | Toll Media          | May <sup>(1)</sup> | 3 Months <sup>(2)</sup><br>(Mar-May) | 6 Months <sup>(3)</sup><br>(Dec-May) | 9 Months <sup>(4)</sup><br>(Sep-May) | 12 Months <sup>(5)</sup><br>(Jun-May) |
|---|---------------------|--------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|
| All Facilities  | Total Vehicles      | 1.9%               | 4.0%                                 | 5.0%                                 | 4.7%                                 | 4.7%                                  |
|   | E-ZPass             | 3.2%               | 5.1%                                 | 6.2%                                 | 6.0%                                 | 6.0%                                  |
|   | Cash <sup>(6)</sup> | -5.3%              | -2.4%                                | -2.2%                                | -2.3%                                | -2.4%                                 |
| RFK Bridge-Bronx Plaza<br>Bronx-Whitestone Bridge<br>Throgs Neck Bridge     | Total Vehicles      | 2.4%               | 5.0%                                 | 6.1%                                 | 6.1%                                 | 6.0%                                  |
|   | E-ZPass             | 3.9%               | 6.3%                                 | 7.7%                                 | 7.7%                                 | 7.6%                                  |
|   | Cash <sup>(6)</sup> | -3.4%              | -0.4%                                | -0.4%                                | -0.4%                                | -0.7%                                 |
| RFK Bridge-Manhattan Plaza<br>Queens Midtown Tunnel<br>Hugh L. Carey Tunnel | Total Vehicles      | -0.9%              | 0.4%                                 | 1.8%                                 | 1.7%                                 | 2.1%                                  |
|   | E-ZPass             | 0.4%               | 1.5%                                 | 3.1%                                 | 3.0%                                 | 3.4%                                  |
|   | Cash <sup>(6)</sup> | -9.6%              | -7.7%                                | -7.3%                                | -7.2%                                | -6.9%                                 |
| Verrazano-Narrows Bridge  | Total Vehicles      | 3.6%               | 5.6%                                 | 5.8%                                 | 5.2%                                 | 4.8%                                  |
|   | E-ZPass             | 5.1%               | 6.9%                                 | 7.1%                                 | 6.5%                                 | 6.1%                                  |
|   | Cash <sup>(6)</sup> | -5.2%              | -2.0%                                | -2.1%                                | -2.6%                                | -3.1%                                 |
| Henry Hudson Bridge   | Total Vehicles      | 5.4%               | 6.9%                                 | 8.1%                                 | 6.8%                                 | 6.5%                                  |
|   | E-ZPass             | 6.1%               | 7.2%                                 | 8.2%                                 | 6.7%                                 | 6.4%                                  |
|   | Tolls By Mail       | -3.9%              | 1.6%                                 | 6.8%                                 | 7.8%                                 | 7.8%                                  |
| Marine Parkway Bridge<br>Cross Bay Bridge                                   | Total Vehicles      | 0.2%               | 3.6%                                 | 4.8%                                 | 5.2%                                 | 5.6%                                  |
|   | E-ZPass             | 1.1%               | 4.5%                                 | 6.0%                                 | 6.5%                                 | 7.0%                                  |
|   | Cash <sup>(6)</sup> | -5.9%              | -2.4%                                | -3.3%                                | -3.3%                                | -2.6%                                 |

(1) May 2016 vs. May 2015.

(2) March 2016 to May 2016 vs. March 2015 to May 2015.

(3) December 2015 to May 2016 vs. December 2014 to May 2015.

(4) September 2015 to May 2016 vs. September 2014 to May 2015.

(5) June 2015 to May 2016 vs. June 2014 to May 2015.

(6) Includes tokens and tickets.

**Ex. 7**

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

| Corridor  | Vehicle Type   | May <sup>(1)</sup> | 3 Months <sup>(2)</sup><br>(Mar-May) | 6 Months <sup>(3)</sup><br>(Dec-May) | 9 Months <sup>(4)</sup><br>(Sep-May) | 12 Months <sup>(5)</sup><br>(Jun-May) |
|---|----------------|--------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|
| All Facilities  | Total Vehicles | 1.9%               | 4.0%                                 | 5.0%                                 | 4.7%                                 | 4.7%                                  |
|   | Passenger      | 2.0%               | 4.2%                                 | 5.1%                                 | 4.9%                                 | 4.8%                                  |
|   | Other          | 1.0%               | 1.4%                                 | 2.8%                                 | 3.0%                                 | 3.4%                                  |
| RFK Bridge-Bronx Plaza<br>Bronx-Whitestone Bridge<br>Throgs Neck Bridge     | Total Vehicles | 2.4%               | 5.0%                                 | 6.1%                                 | 6.1%                                 | 6.0%                                  |
|   | Passenger      | 2.5%               | 5.2%                                 | 6.4%                                 | 6.3%                                 | 6.1%                                  |
|   | Other          | 1.8%               | 2.5%                                 | 4.0%                                 | 4.4%                                 | 5.0%                                  |
| RFK Bridge-Manhattan Plaza<br>Queens Midtown Tunnel<br>Hugh L. Carey Tunnel | Total Vehicles | -0.9%              | 0.4%                                 | 1.8%                                 | 1.7%                                 | 2.1%                                  |
|   | Passenger      | -0.9%              | 0.5%                                 | 1.9%                                 | 1.9%                                 | 2.2%                                  |
|   | Other          | -1.0%              | -1.0%                                | 0.2%                                 | -0.1%                                | 0.4%                                  |
| Verrazano-Narrows Bridge  | Total Vehicles | 3.6%               | 5.6%                                 | 5.8%                                 | 5.2%                                 | 4.8%                                  |
|   | Passenger      | 3.7%               | 5.9%                                 | 6.0%                                 | 5.4%                                 | 4.9%                                  |
|   | Other          | 1.2%               | 1.5%                                 | 2.5%                                 | 2.6%                                 | 2.9%                                  |
| Henry Hudson Bridge   | Total Vehicles | 5.4%               | 6.9%                                 | 8.1%                                 | 6.8%                                 | 6.5%                                  |
|   | Passenger      | 5.5%               | 6.8%                                 | 8.0%                                 | 6.7%                                 | 6.4%                                  |
|   | Other          | 5.1%               | 11.0%                                | 13.8%                                | 15.3%                                | 18.1%                                 |
| Marine Parkway Bridge<br>Cross Bay Bridge                                   | Total Vehicles | 0.2%               | 3.6%                                 | 4.8%                                 | 5.2%                                 | 5.6%                                  |
|   | Passenger      | 0.2%               | 3.9%                                 | 4.9%                                 | 5.4%                                 | 5.9%                                  |
|   | Other          | -0.1%              | -0.2%                                | 3.1%                                 | 2.0%                                 | 0.9%                                  |

(1) May 2016 vs. May 2015.

(2) March 2016 to May 2016 vs. March 2015 to May 2015.

(3) December 2015 to May 2016 vs. December 2014 to May 2015.

(4) September 2015 to May 2016 vs. September 2014 to May 2015.

(5) June 2015 to May 2016 vs. June 2014 to May 2015.

**Ex. 8**

## Supplemental Data Page for the Report on Operations

| Traffic & Average Gas Price <sup>1</sup> |                   |               | Weather <sup>2</sup>           |                    |                        |                               |
|--|-------------------|---------------|--------------------------------|--------------------|------------------------|-------------------------------|
| <u>Month</u>                             | <u>Traffic</u>    | <u>Gas</u>    | <u>Average<br/>Temperature</u> | <u>Rain Inches</u> | <u>Snow<br/>Inches</u> | <u>Precipitation<br/>Days</u> |
| May-14                                   | 25,668,919        | \$3.84        | 64                             | 4.7                | -                      | 13                            |
| Jun-14                                   | 25,374,933        | \$3.85        | 73                             | 3.7                | -                      | 7                             |
| Jul-14                                   | 25,435,425        | \$3.84        | 77                             | 4.0                | -                      | 9                             |
| Aug-14                                   | 25,951,945        | \$3.67        | 76                             | 3.5                | -                      | 8                             |
| Sep-14                                   | 24,481,160        | \$3.56        | 71                             | 1.2                | -                      | 6                             |
| Oct-14                                   | 25,189,827        | \$3.36        | 61                             | 3.9                | -                      | 9                             |
| 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 <sup>3</sup>                      | 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                            |
| <b>Mar-16</b>                            | <b>25,670,589</b> | <b>\$1.93</b> | <b>49</b>                      | <b>1.3</b>         | <b>1.8</b>             | <b>11</b>                     |
| <b>Apr-16</b>                            | <b>25,458,046</b> | <b>\$2.17</b> | <b>53</b>                      | <b>1.7</b>         | <b>-</b>               | <b>11</b>                     |
| <b>May-16</b>                            | <b>27,032,901</b> | <b>\$2.33</b> | <b>64</b>                      | <b>3.9</b>         | <b>-</b>               | <b>11</b>                     |

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<br/>Temperature</u> | <u>Rain Inches</u> | <u>Snow<br/>Inches</u> | <u>Precipitation<br/>Days</u> |
| <b>2015 vs. 2014</b>            |                |            |                                |                    |                        |                               |
| May                             | 851,703        | (\$1.06)   | 3                              | (3.1)              | -                      | (7)                           |
| June                            | 765,726        | (\$0.99)   | (2)                            | 1.1                | -                      | 5                             |
| July                            | 1,465,508      | (\$0.99)   | 2                              | (0.5)              | -                      | (1)                           |
| August                          | 1,228,012      | (\$0.99)   | 3                              | (1.6)              | -                      | (4)                           |
| September                       | 695,621        | (\$1.12)   | 3                              | 1.3                | -                      | 0                             |
| October                         | 1,035,340      | (\$1.07)   | (2)                            | (0.5)              | -                      | (2)                           |
| November                        | 1,408,267      | (\$0.78)   | 3                              | (2.2)              | (0)                    | (3)                           |
| December                        | 1,199,721      | (\$0.60)   | 10                             | (1.8)              | (1)                    | 1                             |
| <b>2016 vs. 2015</b>            |                |            |                                |                    |                        |                               |
| January                         | 1,223,571      | (\$0.25)   | 6                              | (0.6)              | 13                     | (4)                           |
| February                        | 2,395,766      | (\$0.43)   | 15                             | 2.4                | (10)                   | 5                             |
| March                           | 1,833,944      | (\$0.55)   | 11                             | (3.2)              | (16)                   | (3)                           |
| April                           | 632,989        | (\$0.35)   | (1)                            | (0.1)              | -                      | 3                             |
| May                             | 512,279        | (\$0.45)   | (3)                            | 2.3                | -                      | 5                             |

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**

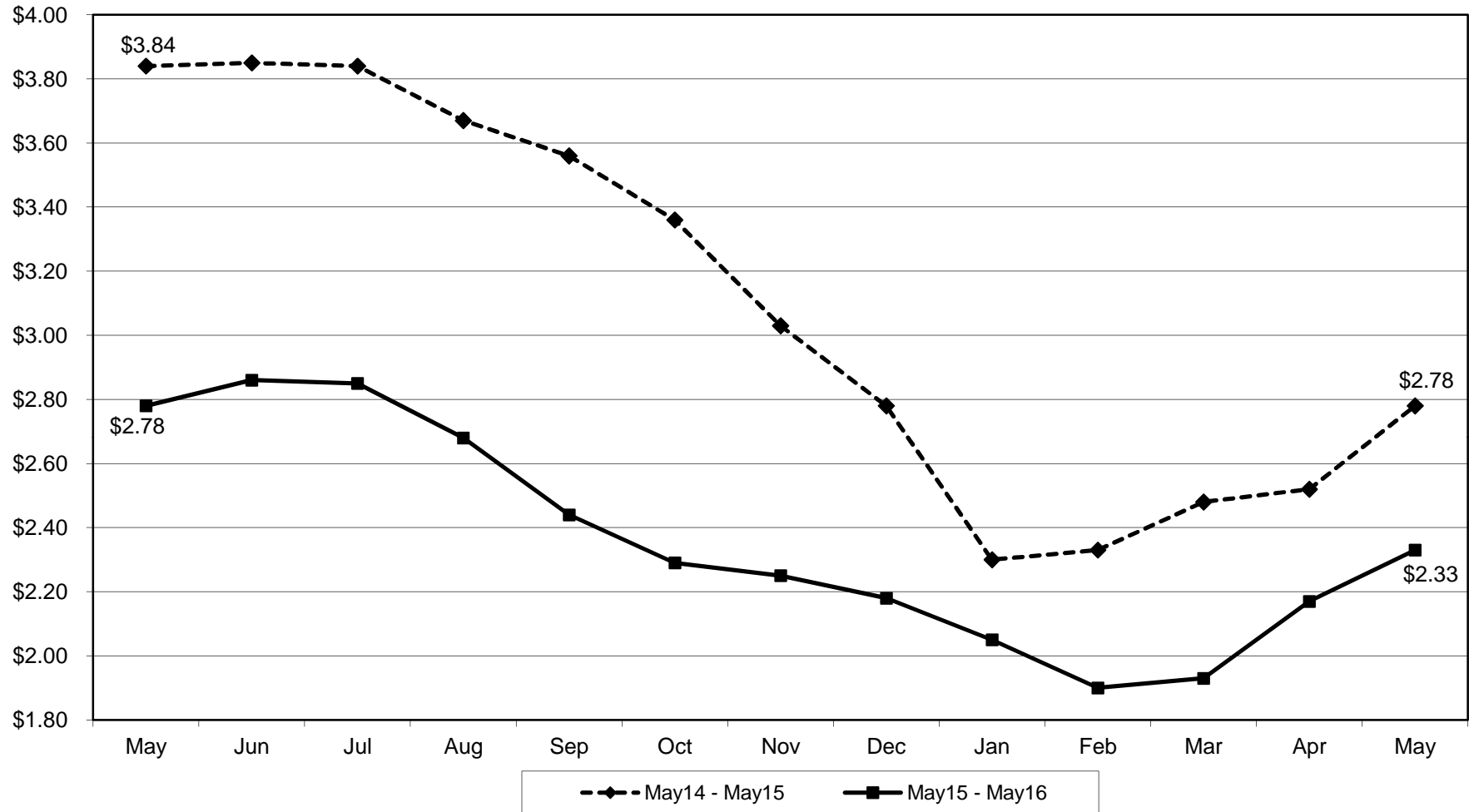
| <u>Month</u>  | <u>All Vehicles<sup>1</sup></u> | <u>E-ZPass</u> | <u>Cash<sup>2</sup></u> | <u>Passenger</u> | <u>Other</u>  |
|---------------|---------------------------------|----------------|-------------------------|------------------|---------------|
| May-14        | 774,602                         | 648,539        | 126,063                 | 719,626          | 54,976        |
| Jun-14        | 776,344                         | 650,545        | 125,799                 | 721,112          | 55,232        |
| Jul-14        | 777,848                         | 652,443        | 125,405                 | 722,417          | 55,432        |
| Aug-14        | 778,712                         | 653,447        | 125,265                 | 723,285          | 55,427        |
| Sep-14        | 780,551                         | 655,669        | 124,882                 | 724,739          | 55,812        |
| Oct-14        | 780,969                         | 656,378        | 124,591                 | 724,981          | 55,989        |
| 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        |
| <b>Mar-16</b> | <b>829,053</b>                  | <b>707,637</b> | <b>121,416</b>          | <b>770,078</b>   | <b>58,975</b> |
| <b>Apr-16</b> | <b>830,782</b>                  | <b>709,512</b> | <b>121,271</b>          | <b>771,881</b>   | <b>58,902</b> |
| <b>May-16</b> | <b>832,182</b>                  | <b>711,489</b> | <b>120,694</b>          | <b>773,232</b>   | <b>58,950</b> |

*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 May 2014 - May 2016





# Bridges and Tunnels

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## **Safety Report** **May 2016**



## Safety Report

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

| Performance Indicator   |                      |                      |          |
|---|----------------------|----------------------|----------|
| Performance Indicator   | 12-Month Average     |                      |          |
|   | June 2014 - May 2015 | June 2015 - May 2016 | % Change |
| Customer Collisions Rate for Bridge Customers per Million Vehicles        | 5.63                 | 6.61                 | 17.4%    |
| Customer Injury Collisions Rate for Bridge Customers per Million Vehicles | 0.94                 | 1.03                 | 9.6%     |
| Employee Accident Reports   | 266                  | 241                  | -9.4%    |
| Employee Lost Time Injuries Rate per 200,000 worker hours                 | 5.1                  | 5.6                  | 9.8%     |
| Construction Injuries per 200,000 worker hours                            | 3.37                 | 2.21                 | -34.4%   |

| Leading Indicators                        |      |          |      |              |
|---|------|----------|------|--------------|
| Roadway Safety                            | 2015 |          | 2016 |              |
|   | May  | Year End | May  | Year to Date |
| Workforce Development (# of Participants) | 165  | 1687     | 150  | 364          |
| Fleet Preventative Maintenance Insp.      | 83   | 1186     | 120  | 505          |
| Safety Taskforce Inspections              | 0    | 12       | 1    | 3            |
| Construction Safety                       | May  | Year End | May  | Year to Date |
|   | 249  | 3419     | 369  | 1656         |
| Fire Safety                               | May  | Year End | May  | Year to Date |
|   | 1    | 13       | 1    | 4            |
| FDNY Liaison Visits                       | 12   | 23       | 2    | 8            |

### 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**

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## **E-ZPass Performance Report May 2016**



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

| <b>E-ZPass Performance at All B&amp;T Facilities</b> |            |              |            |
|--|------------|--------------|------------|
|  | May 2016   | Year to Date | May 2015   |
| Total E-ZPass Traffic <sup>1</sup>                   | 23,221,011 | 105,709,632  | 22,497,463 |
| E-ZPass Market Share: Total                          | 85.9%      | 86.1%        | 84.8%      |
| Cars   | 85.4%      | 85.6%        | 84.3%      |
| Trucks   | 92.9%      | 93.4%        | 92.1%      |

| <b>Weekday E-ZPass Performance by Facility<sup>2</sup></b> |   |                      |                      |
|--|---|----------------------|----------------------|
| Facility   | May Average E-Zpass<br>Weekday Traffic and Market Share |                      |                      |
|  | 2016<br>Average Traffic                                 | 2016<br>Market Share | 2015<br>Market Share |
| Bronx-Whitestone Bridge                                    | 106,337   | 82.6%                | 82.3%                |
| Cross Bay Veterans Memorial Bridge                         | 21,401  | 87.5%                | 87.4%                |
| Henry Hudson Bridge  | 70,545  | 94.7%                | 94.4%                |
| Hugh L. Carey Tunnel                                       | 52,371  | 91.7%                | 91.0%                |
| Marine Parkway-Gil Hodges Memorial Bridge                  | 21,134  | 90.5%                | 89.6%                |
| Queens Midtown Tunnel                                      | 77,406  | 91.2%                | 90.3%                |
| Robert F. Kennedy Bridge - Bronx Plaza                     | 68,688  | 80.6%                | 79.4%                |
| Robert F. Kennedy Bridge - Manhattan Plaza                 | 85,963  | 87.7%                | 87.2%                |
| Throgs Neck Bridge   | 105,588   | 86.5%                | 85.5%                |
| Verrazano-Narrows Bridge <sup>1</sup>                      | <u>177,165</u>  | <u>88.7%</u>         | <u>87.9%</u>         |
| All Facilities <sup>1</sup>                                | 786,598   | 87.6%                | 86.9%                |

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**  
**May 2016**  
Preliminary data subject to final audit

| <b>Weekday Peak Hour E-ZPass Performance by Facility<sup>3</sup></b> |                          |                 |                 |                 |
|--|--------------------------|-----------------|-----------------|-----------------|
| Facility   | May E-ZPass Market Share |                 |                 |                 |
|  | 2016<br>AM Peak          | 2015<br>AM Peak | 2016<br>PM Peak | 2015<br>PM Peak |
| Bronx-Whitestone Bridge  | 87.8%                    | 87.3%           | 83.9%           | 83.5%           |
| Cross Bay Veterans Memorial Bridge                                   | 91.6%                    | 91.1%           | 88.0%           | 87.8%           |
| Henry Hudson Bridge  | 96.4%                    | 92.2%           | 95.0%           | 90.0%           |
| Hugh L. Carey Tunnel   | 94.9%                    | 94.0%           | 91.4%           | 91.1%           |
| Marine Parkway-Gil Hodges Memorial Bridge                            | 93.2%                    | 92.5%           | 90.5%           | 89.8%           |
| Queens Midtown Tunnel  | 93.4%                    | 91.1%           | 91.5%           | 90.6%           |
| Robert F. Kennedy Bridge - Bronx Plaza                               | 85.8%                    | 84.7%           | 81.7%           | 80.3%           |
| Robert F. Kennedy Bridge - Manhattan Plaza                           | 90.3%                    | 90.0%           | 88.6%           | 87.9%           |
| Throgs Neck Bridge   | 90.9%                    | 90.3%           | 86.9%           | 86.6%           |
| Verrazano-Narrows Bridge <sup>4</sup>                                | N/A                      | N/A             | 91.3%           | 90.7%           |
| All Facilities   | 91.0%                    | 89.8%           | 88.6%           | 87.6%           |

| <b>Weekend E-ZPass Performance by Facility</b> |  |                      |                      |
|--|--|----------------------|----------------------|
| Facility                                       | May Average E-ZPass Weekend Traffic and Market Share |                      |                      |
|  | 2016<br>Avg. Traffic                                 | 2016<br>Market Share | 2015<br>Market Share |
| Bronx-Whitestone Bridge                        | 97,460   | 75.7%                | 75.2%                |
| Cross Bay Veterans Memorial Bridge             | 17,224   | 81.5%                | 81.5%                |
| Henry Hudson Bridge                            | 60,421   | 92.3%                | 91.4%                |
| Hugh L. Carey Tunnel                           | 37,751   | 87.5%                | 86.1%                |
| Marine Parkway-Gil Hodges Memorial Bridge      | 17,367   | 86.1%                | 85.5%                |
| Queens Midtown Tunnel                          | 56,715   | 86.8%                | 85.4%                |
| Robert F. Kennedy Bridge - Bronx Plaza         | 60,783   | 73.5%                | 72.1%                |
| Robert F. Kennedy Bridge - Manhattan Plaza     | 72,600   | 83.0%                | 81.9%                |
| Throgs Neck Bridge                             | 101,911  | 80.8%                | 80.0%                |
| Verrazano-Narrows Bridge <sup>1</sup>          | <u>154,381</u>                                       | 82.9%                | 81.4%                |
| All Facilities <sup>1</sup>                    | 676,613  | 81.8%                | 80.8%                |

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  
May 2016**

Preliminary data subject to final audit

**E-ZPass Interoperability Statistics**

| <b>B&amp;T E-ZPass Transactions From Other Agencies <sup>5</sup></b> |   |   |   |
|--|---|---|---|
| Customer's E-ZPass Agency  | May 2016<br>Total B&T E-ZPass<br>Transactions | May 2016<br>Percentage of B&T<br>Total Transactions | May 2015<br>Percentage of B&T<br>Total Transactions |
| New York State Thruway Authority <sup>6</sup>                        | 1,995,592                                     | 8.31%   | 8.06%   |
| Port Authority of NY and NJ  | 1,257,169                                     | 5.23%   | 5.18%   |
| New Jersey Toll Agencies <sup>7</sup>                                | 1,236,546                                     | 5.15%   | 5.42%   |
| Massachusetts Turnpike Authority <sup>8</sup>                        | 150,792                                       | 0.63%   | 0.65%   |
| Pennsylvania Turnpike Commission                                     | 110,356                                       | 0.46%   | 0.43%   |
| Maryland Transportation Authority                                    | 45,276  | 0.19%   | 0.17%   |
| Virginia Department of Transportation <sup>9</sup>                   | 38,898  | 0.16%   | 0.15%   |
| New Hampshire Department of Transportation                           | 18,132  | 0.08%   | 0.08%   |
| Delaware Department of Transportation                                | 18,509  | 0.08%   | 0.07%   |
| Other <sup>10</sup>  | <u>54,952</u>                                 | <u>0.23%</u>  | <u>0.22%</u>  |
| Total  | 4,926,222                                     | 20.51%  | 20.42%  |

| <b>Other Agency B&amp;T E-ZPass Transactions</b>   |                |                  |                |
|--|----------------|------------------|----------------|
| Agency Used By B&T Customers                       | May 2016       | YTD 2016         | May 2015       |
| New York State Thruway Authority <sup>6</sup>      | 3,031,323      | 13,090,558       | 2,963,659      |
| Port Authority of NY and NJ                        | 3,724,375      | 16,839,202       | 3,537,745      |
| New Jersey Toll Agencies <sup>7</sup>              | 6,456,536      | 28,416,280       | 6,157,847      |
| New York State Bridge Authority                    | 302,173        | 1,281,041        | 285,073        |
| Massachusetts Turnpike Authority <sup>8</sup>      | 666,372        | 2,811,301        | 651,087        |
| Pennsylvania Turnpike Commission                   | 360,717        | 1,519,573        | 286,866        |
| Maryland Transportation Authority                  | 425,197        | 1,802,450        | 419,928        |
| Virginia Department of Transportation <sup>9</sup> | 218,039        | 966,195          | 212,187        |
| New Hampshire Department of Transportation         | 120,381        | 500,313          | 112,960        |
| Delaware Department of Transportation              | 314,880        | 1,244,626        | 302,042        |
| Other <sup>10</sup>                                | <u>452,105</u> | <u>1,811,341</u> | <u>401,268</u> |
| Total  | 16,072,098     | 70,282,880       | 15,330,662     |

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**  
**May 2016**  
Preliminary data subject to final audit

**E-ZPass Customer Service Statistics**

| <b>MTA Bridges and Tunnels Customers</b>    |               |               |               |  |
|---|---------------|---------------|---------------|--|
|   | May 2016      | YTD 2016      | YTD 2015      |  |
| Accounts Opened:                            |               |               |               |  |
| Internet                                    | 9,165         | 37,126        | 35,340        |  |
| Walk-In                                     | 2,732         | 12,680        | 12,227        |  |
| Mail  | 236           | 1,386         | 1,278         |  |
| On-The-Go                                   | <u>11,418</u> | <u>45,718</u> | <u>43,582</u> |  |
| Total Accounts Opened                       | 23,551        | 96,910        | 92,427        |  |
| Total Active Accounts                       |               | 2,980,578     | 2,805,141     |  |
| Number of E-ZPass Tags Issued <sup>11</sup> | 53,112        | 234,596       | 242,017       |  |
| Total Active Tags <sup>12</sup>             |               | 4,740,061     | 4,475,965     |  |
| Total Reload Cards Distributed              | 1,694         | 159,842       | 125,944       |  |
| Reload Card % of Cash Replenishments        | 17.5%         | 17.0%         | 15.1%         |  |

| <b>Customer Service Indicators</b>               |                |                  |                  |  |
|--|----------------|------------------|------------------|--|
|  | May 2016       | YTD 2016         | YTD 2015         |  |
| Phone Calls Answered by Customer Service Center: |                |                  |                  |  |
| Customer Service Representatives                 | 277,822        | 1,311,824        | 1,192,324        |  |
| Automated System                                 | <u>608,524</u> | <u>2,865,252</u> | <u>2,506,341</u> |  |
| Total Phone Calls Answered                       | 886,346        | 4,177,076        | 3,698,665        |  |
| Average Phone Call Waiting Time (in min.):       |                |                  |                  |  |
| General Call Unit                                | 0.10           | 0.14             | 0.24             |  |
| Commercial Call Unit                             | 0.25           | 0.32             | 0.54             |  |
| Avg. Monthly B&T E-ZPass Trips Per Account       | 6.17           | 5.66             | 5.64             |  |
| Average Number of Active Tags Per Account        | 1.59           | 1.59             | 1.60             |  |

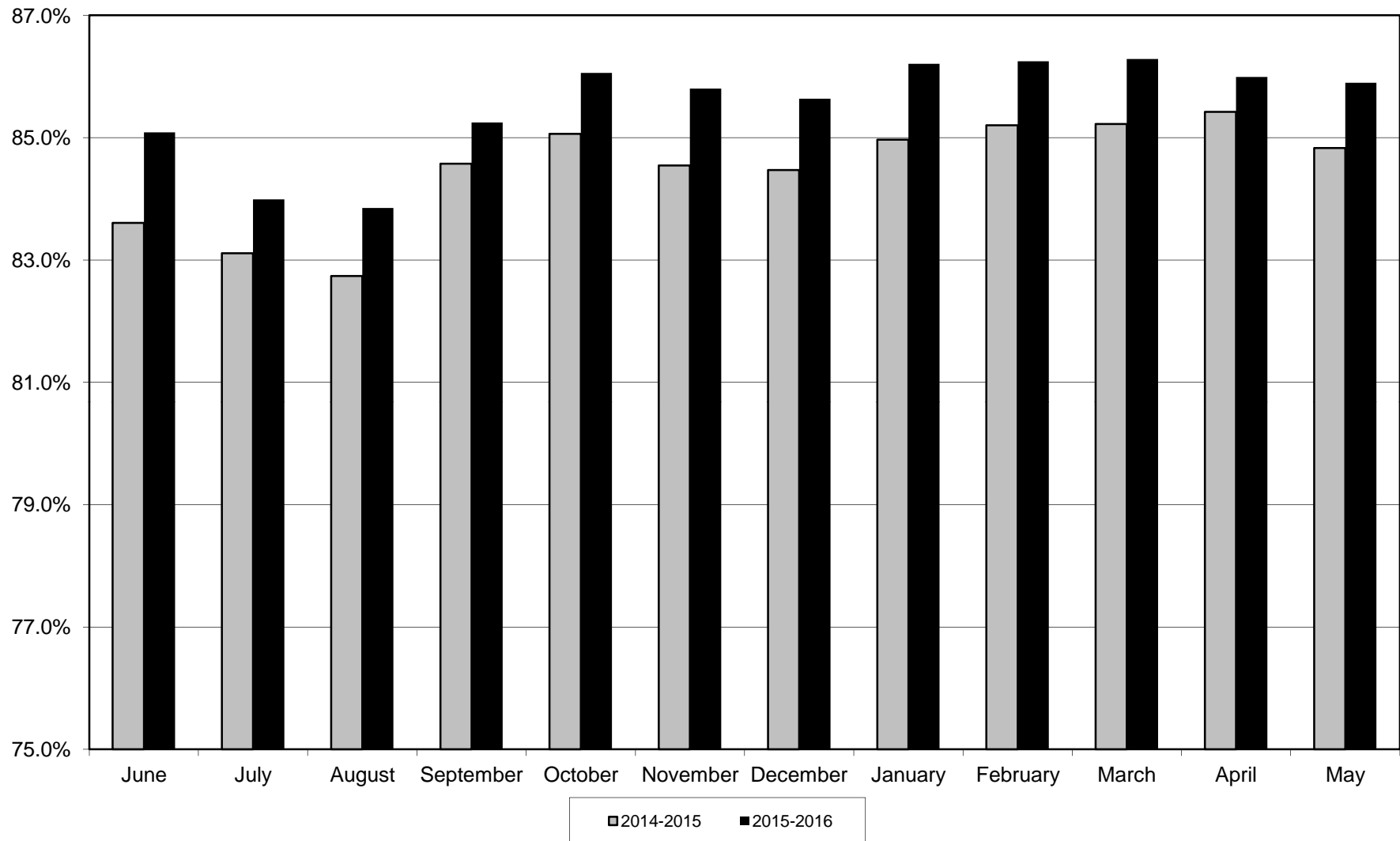
| <b>E-ZPass Tag Replacement Program</b> |          |          |           |  |
|--|----------|----------|-----------|--|
|  | May 2016 | YTD 2016 | 2011-2016 |  |
| Number of Replacement Tags Mailed      | 4,981    | 65,552   | 1,901,684 |  |
| Number of Tags Returned <sup>13</sup>  | 5,769    | 71,286   | 1,870,053 |  |
| Number of Tags Pending Return          | N/A      | N/A      | 31,631    |  |

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  
June 2014 through May 2016**





# Bridges and Tunnels

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## Financial Report May 2016

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**MTA BRIDGES & TUNNELS****STATEMENT OF NET POSITION****As of May 31, 2016**

(in thousands)

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

|                               |           |
|-------------------------------|-----------|
| Cash-Unrestricted             | 19,210    |
| Investments:                  |           |
| Unrestricted                  | 100,454   |
| Restricted                    | 859,710   |
| Accrued interest receivable   | 997       |
| Accounts receivable           | 28,352    |
| Tolls due from other agencies | 31,672    |
| Prepaid expenses              | 3,953     |
|                               | <hr/>     |
| Total current assets          | 1,044,349 |

**NONCURRENT ASSETS:**

|   |           |
|---|-----------|
| Investments:                            |           |
| Restricted                              | 107,506   |
| Insurance recovery receivable           | 126,325   |
| Facilities, less acc.dep of \$1,292,984 | 4,785,359 |
| Capital lease 2 Broadway net acc. dep.  | 40,600    |
| Derivative Hedge Assets                 | 3,580     |
| Security Deposits                       | 11,600    |
|   | <hr/>     |
| Total noncurrent assets                 | 5,074,969 |

**TOTAL ASSETS:** 

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6,119,318**DEFERRED OUTFLOWS OF RESOURCES:**

|   |         |
|---|---------|
| Deferred outflows of resources related to Pension             | 67,128  |
| Accumulated decreases in fair value of derivative instruments | 160,954 |
| Defeasance costs  | 155,169 |
|   | <hr/>   |

**TOTAL DEFERRED OUTFLOWS OF RESOURCES:** 

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383,250**TOTAL ASSETS AND DEFERRED OUTFLOWS  
OF RESOURCES**

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6,502,568

**MTA BRIDGES & TUNNELS****STATEMENT OF NET POSITION****As of May 31, 2016**

(in thousands)

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

|  |                |
|--|----------------|
| Current portion-long term debt                             | 212,379        |
| Interest Payable   | 29,882         |
| Accounts Payable   | 63,370         |
| Payable to MTA-CAP   | 59,714         |
| Due to MTA-Operating Expenses                              | 5,642          |
| Due to NYCTA-Operating Expenses                            | 880            |
| Accrued salaries   | 14,929         |
| Accrued Vac & Sick Benefits                                | 18,373         |
| Current portion of estimated liability arising from injury | 13,592         |
| Current portion of capital lease obligation                | 6,117          |
| Pollution remediation projects                             | 1,829          |
| Due to New York City Transit Authority                     | 43,144         |
| Due to Metropolitan Transportation Authority               | 57,168         |
| Unredeemed Tolls   | 151,831        |
| Tolls due to other agencies                                | 53,283         |
| E-ZPass Airport Toll Liability                             | <u>5,852</u>   |
| Total current liabilities                                  | <u>737,986</u> |

**NONCURRENT LIABILITIES:**

|  |                   |
|--|-------------------|
| Long term debt                               | 9,021,022         |
| Post Employment Benefits Other than Pensions | 601,844           |
| Estimated liability arising from injury      | 27,271            |
| Capital lease obligations                    | 139,782           |
| Derivative Hedge Liabilities                 | 165,166           |
| Net Pension Liability                        | 243,901           |
| Security deposits-Contra                     | <u>11,600</u>     |
| Total noncurrent liabilities                 | <u>10,210,586</u> |

**DEFERRED INFLOW OF RESOURCES**

|   |        |
|---|--------|
| Deferred Inflow of resources related to Pension | 48,006 |
|---|--------|

**TOTAL LIABILITIES AND DEFERRED INFLOWS OF  
RESOURCES**

10,996,578

**NET POSITION**-4,494,010 \***TOTAL LIABILITIES, DEFERRED INFLOWS OF  
RESOURCES & NET POSITION**6,502,568

\*The negative Net Position of \$4,493,844 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**  
**FEBRUARY FINANCIAL PLAN - 2016 ADOPTED BUDGET**  
**ACCRUAL STATEMENT of OPERATIONS by CATEGORY**  
**May 2016**  
(\$ in millions)

|   | Nonreimbursable            |        |          |         | Reimbursable               |        |          |         | Total                      |                  |                 |             |
|---|----------------------------|--------|----------|---------|----------------------------|--------|----------|---------|----------------------------|------------------|-----------------|-------------|
|   | Favorable<br>(Unfavorable) |        |          |         | Favorable<br>(Unfavorable) |        |          |         | Favorable<br>(Unfavorable) |                  |                 |             |
|   | Adopted<br>Budget          | Actual | Variance | Percent | Adopted<br>Budget          | Actual | Variance | Percent | Adopted<br>Budget          | Actual           | Variance        | Percent     |
| <b>Net Income/(Deficit)</b>                   |                            |        |          |         |                            |        |          |         | <b>\$126.661</b>           | <b>\$134.295</b> | <b>\$7.634</b>  | <b>6.0</b>  |
| Less: Capitalized Assets                      |                            |        |          |         |                            |        |          |         | 1.494                      | 1.728            | (0.234)         | (15.7)      |
| Reserves                                      |                            |        |          |         |                            |        |          |         | 2.240                      | 2.240            | 0.000           | 0.0         |
| GASB Reserves                                 |                            |        |          |         |                            |        |          |         | 0.000                      | 0.000            | 0.000           | -           |
| <b>Adjusted Net Income/(Deficit)</b>          |                            |        |          |         |                            |        |          |         | <b>\$122.927</b>           | <b>\$130.327</b> | <b>\$7.400</b>  | <b>6.0</b>  |
| Less: Debt Service                            |                            |        |          |         |                            |        |          |         | 54.072                     | 53.654           | 0.418           | 0.8         |
| <b>Income Available for Distribution</b>      |                            |        |          |         |                            |        |          |         | <b>\$68.855</b>            | <b>\$76.674</b>  | <b>\$7.819</b>  | <b>11.4</b> |
| Distributable To:                             |                            |        |          |         |                            |        |          |         |                            |                  |                 |             |
| MTA - Investment Income                       |                            |        |          |         |                            |        |          |         | 0.036                      | 0.035            | (0.000)         | (1.2)       |
| MTA - Distributable Income                    |                            |        |          |         |                            |        |          |         | 34.436                     | 43.270           | 8.834           | 25.7        |
| NYCTR - Distributable Income                  |                            |        |          |         |                            |        |          |         | 25.144                     | 33.369           | 8.225           | 32.7        |
| <b>Total Distributable Income</b>             |                            |        |          |         |                            |        |          |         | <b>\$59.615</b>            | <b>\$76.674</b>  | <b>\$17.058</b> | <b>28.6</b> |
| <b><u>Support to Mass Transit:</u></b>        |                            |        |          |         |                            |        |          |         |                            |                  |                 |             |
| Total Revenues                                |                            |        |          |         |                            |        |          |         | 165.628                    | 167.529          | 1.901           | 1.1         |
| Less: Total Operating Expenses                |                            |        |          |         |                            |        |          |         | <u>38.967</u>              | <u>33.234</u>    | <u>5.733</u>    | 14.7        |
| <b>Net Operating Income/(Deficit)</b>         |                            |        |          |         |                            |        |          |         | <b>\$126.661</b>           | <b>\$134.295</b> | <b>\$7.634</b>  | <b>6.0</b>  |
| Deductions from Net Operating Income:         |                            |        |          |         |                            |        |          |         |                            |                  |                 |             |
| Capitalized Assets                            |                            |        |          |         |                            |        |          |         | 1.494                      | 1.728            | (0.234)         | (15.7)      |
| Reserves                                      |                            |        |          |         |                            |        |          |         | 2.240                      | 2.240            | 0.000           | 0.0         |
| B&T Debt Service                              |                            |        |          |         |                            |        |          |         | 23.456                     | 21.862           | 1.595           | 6.8         |
| GASB Reserves                                 |                            |        |          |         |                            |        |          |         | 0.000                      | 0.000            | 0.000           | -           |
| <b>Total Deductions From Operating Income</b> |                            |        |          |         |                            |        |          |         | <b>\$27.190</b>            | <b>\$25.829</b>  | <b>\$1.361</b>  | <b>5.0</b>  |
| <b>Total Support to Mass Transit</b>          |                            |        |          |         |                            |        |          |         | <b>\$99.471</b>            | <b>\$108.466</b> | <b>\$8.995</b>  | <b>9.0</b>  |

**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**  
**FEBRUARY FINANCIAL PLAN - 2016 ADOPTED BUDGET**  
**ACCRUAL STATEMENT of OPERATIONS by CATEGORY**  
**May Year-To-Date**  
(\$ in millions)

|   | Nonreimbursable            |        |          |         | Reimbursable               |        |          |         | Total                      |                  |                 |             |
|---|----------------------------|--------|----------|---------|----------------------------|--------|----------|---------|----------------------------|------------------|-----------------|-------------|
|   | Favorable<br>(Unfavorable) |        |          |         | Favorable<br>(Unfavorable) |        |          |         | Favorable<br>(Unfavorable) |                  |                 |             |
|   | Adopted<br>Budget          | Actual | Variance | Percent | Adopted<br>Budget          | Actual | Variance | Percent | Adopted<br>Budget          | Actual           | Variance        | Percent     |
| <b>Net Income/(Deficit)</b>                   |                            |        |          |         |                            |        |          |         | <b>\$540.475</b>           | <b>\$592.473</b> | <b>\$51.998</b> | <b>9.6</b>  |
| Less: Capitalized Assets                      |                            |        |          |         |                            |        |          |         | 7.470                      | 3.997            | \$3.473         | 46.5        |
| Reserves                                      |                            |        |          |         |                            |        |          |         | 11.200                     | 11.200           | 0.000           | 0.0         |
| GASB Reserves                                 |                            |        |          |         |                            |        |          |         | 0.000                      | 0.000            | 0.000           | -           |
| <b>Adjusted Net Income/(Deficit)</b>          |                            |        |          |         |                            |        |          |         | <b>\$521.805</b>           | <b>\$577.276</b> | <b>\$55.471</b> | <b>10.6</b> |
| Less: Debt Service                            |                            |        |          |         |                            |        |          |         | 270.360                    | 265.399          | 4.961           | 1.8         |
| <b>Income Available for Distribution</b>      |                            |        |          |         |                            |        |          |         | <b>\$251.445</b>           | <b>\$311.877</b> | <b>\$60.432</b> | <b>24.0</b> |
| Distributable To:                             |                            |        |          |         |                            |        |          |         |                            |                  |                 |             |
| MTA - Investment Income                       |                            |        |          |         |                            |        |          |         | 0.178                      | 0.166            | (0.012)         | (6.6)       |
| MTA - Distributable Income                    |                            |        |          |         |                            |        |          |         | 148.865                    | 181.592          | 32.727          | 22.0        |
| NYCTR - Distributable Income                  |                            |        |          |         |                            |        |          |         | 102.402                    | 130.119          | 27.717          | 27.1        |
| <b>Total Distributable Income</b>             |                            |        |          |         |                            |        |          |         | <b>\$251.445</b>           | <b>\$311.877</b> | <b>\$60.432</b> | <b>24.0</b> |
| <b>Support to Mass Transit:</b>               |                            |        |          |         |                            |        |          |         |                            |                  |                 |             |
| Total Revenues                                |                            |        |          |         |                            |        |          |         | 739.009                    | 767.247          | 28.238          | 3.8         |
| Less: Total Operating Expenses                |                            |        |          |         |                            |        |          |         | <u>198.534</u>             | <u>174.773</u>   | <u>23.760</u>   | 12.0        |
| <b>Net Operating Income/(Deficit)</b>         |                            |        |          |         |                            |        |          |         | <b>\$540.475</b>           | <b>\$592.473</b> | <b>\$51.998</b> | <b>9.6</b>  |
| Deductions from Net Operating Income:         |                            |        |          |         |                            |        |          |         |                            |                  |                 |             |
| Capitalized Assets                            |                            |        |          |         |                            |        |          |         | 7.470                      | 3.997            | 3.473           | 46.5        |
| Reserves                                      |                            |        |          |         |                            |        |          |         | 11.200                     | 11.200           | 0.000           | 0.0         |
| B&T Debt Service                              |                            |        |          |         |                            |        |          |         | 117.282                    | 106.497          | 10.785          | 9.2         |
| GASB Reserves                                 |                            |        |          |         |                            |        |          |         | 0.000                      | 0.000            | 0.000           | -           |
| <b>Total Deductions From Operating Income</b> |                            |        |          |         |                            |        |          |         | <b>\$135.952</b>           | <b>\$121.694</b> | <b>\$14.258</b> | <b>10.5</b> |
| <b>Total Support to Mass Transit</b>          |                            |        |          |         |                            |        |          |         | <b>\$404.523</b>           | <b>\$470.779</b> | <b>\$66.256</b> | <b>16.4</b> |

**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**  
**FEBRUARY FINANCIAL PLAN - 2016 ADOPTED BUDGET**  
**EXPLANATION OF VARIANCES BETWEEN BUDGET AND ACTUAL ACCRUAL BASIS**  
(\$ in millions)

| Generic Revenue<br>or Expense Category    | Favorable/<br>(Unfavorable)<br>Variance |        | May 2016  | Favorable/<br>(Unfavorable)<br>Variance |        | Year-to-Date   |
|---|---|--------|---|---|--------|--|
|   | \$                                      | %      | Reason<br>for Variance  | Reason<br>for Variance                  |        |  |
|   |   |        |   | \$                                      | %      |  |
| Nonreimbursable                           |   |        |   |   |        |  |
| Vehicle Toll Revenue                      | 1.729                                   | 1.1%   | Higher toll revenue due to 2.2% higher traffic  | 26.220                                  | 3.6%   | Higher toll revenue due to traffic volume that was 4.1% above budgeted expectations  |
| Other Operating Revenue                   | 0.530                                   | 27.5%  | Higher Other Operating Revenue primarily due to higher E-ZPass and other toll collection fees   | 3.571                                   | 37.1%  | Higher Other Operating Revenue primarily due to higher E-ZPass and other toll collection fees  |
| Investment Income                         | (0.000)                                 | -1.2%  | Minor variance  | (0.012)                                 | -6.6%  | Minor variance   |
| Payroll                                   | 1.320                                   | 11.6%  | Lower payroll expenses against the YTD budget allocation primarily due to vacancies   | 6.746                                   | 12.1%  | Lower payroll expenses against the YTD budget allocation primarily due to vacancies  |
| Overtime                                  | 0.331                                   | 15.4%  | See overtime tables   | 1.817                                   | 16.1%  | See overtime tables  |
| Health and Welfare                        | 0.442                                   | 17.4%  | Lower expenses primarily due to vacancies and the timing of expenses against the monthly budget allocation  | 2.432                                   | 19.1%  | Lower expenses primarily due to vacancies and the timing of expenses against the YTD budget allocation   |
| OPEB Current Payment                      | (0.122)                                 | -8.1%  | Minor variance  | 0.022                                   | 0.3%   | Minor variance   |
| Pensions                                  | (0.074)                                 | -2.4%  | Higher non-reimbursable expenses due to lower than allocated capital reimbursement offsets. Total non-reimbursable and reimbursable variance is minor | (0.348)                                 | -2.3%  | Higher non-reimbursable expenses due to lower than allocated capital reimbursement offsets. Total non-reimbursable and reimbursable variance is minor  |
| Other Fringe Benefits                     | 0.139                                   | 14.2%  | Lower expenses primarily due to vacancies   | 0.772                                   | 10.2%  | Lower expenses primarily due to vacancies  |
| Electric Power                            | 0.145                                   | 0.7%   | Lower electricity expenses primarily due to timing against the monthly budget allocation  | (0.022)                                 | -1.0%  | Higher electricity expenses primarily due to timing of payments against the YTD budget allocation  |
| Fuel                                      | 0.146                                   | 60.5%  | Lower fuel expenses primarily due to timing against the monthly budget allocation   | 0.703                                   | 54.9%  | Lower fuel expenses primarily due to timing against the YTD budget allocation  |
| Insurance                                 | 0.110                                   | 8.8%   | Lower insurance expenses primarily due to timing against the monthly budget allocation  | 0.344                                   | 5.7%   | Lower insurance expenses primarily due to timing against the YTD budget allocation   |
| Maintenance and Other Operating Contracts | 0.724                                   | 9.2%   | Lower expenses primarily due to the timing of expenses across several miscellaneous maintenance contracts against the monthly budget allocation.      | 7.580                                   | 18.6%  | Lower expenses primarily due to the timing of Major Maintenance & Bridge Painting (\$1.689M), several miscellaneous maintenance contracts (\$2.369M) and EZ Pass Tags (\$0.945M), Auto & Other Vehicle purchases (\$0.389M) and Security Services (\$0.410M) against the YTD budget allocation |
| Professional Service Contracts            | 1.073                                   | 33.3%  | Lower expenses due to timing of Bond Issuance costs (\$0.980M) and Engineer Services (\$0.288M) against the monthly budget allocation                 | 1.999                                   | 12.3%  | Lower expenses primarily due to the timing of miscellaneous outside service contracts (\$1.148M), Engineer Services (\$0.733M) and Planning Studies Consultants (\$0.548M) against the YTD budget allocation   |
| Materials & Supplies                      | 0.220                                   | 64.9%  | Lower expenses across a variety of small equipment and supply categories, due to timing, against the monthly adopted budget allocation                | 0.280                                   | 16.8%  | Lower expenses across a variety of small equipment and supply categories, due to timing, against the YTD adopted budget allocation   |
| Other Business Expense                    | 0.844                                   | 34.1%  | Lower expenses primarily due to the timing of Credit Card Fees against the monthly adopted budget allocation  | (0.566)                                 | -4.5%  | Higher expenses primarily due to the timing of Credit Card Fees against the YTD adopted budget allocation  |
| Depreciation                              | 0.333                                   | 3.3%   | Variance primarily due to the timing of account entries   | 10.554                                  | 21.3%  | Variance primarily due to the timing of account entries  |
| Other Post Employment Benefits            | 0.593                                   | 9.6%   | Lower expenses due to revised actuarial assessment  | 7.928                                   | 25.8%  | Lower expenses due to revised actuarial assessment   |
| Reimbursable                              |   |        |   |   |        |  |
| Capital and Other Reimbursements          | (0.357)                                 | -18.5% | Lower capital reimbursements against the monthly budget allocation  | (1.541)                                 | -16.0% | Lower capital reimbursements against the YTD budget allocation   |
| Payroll                                   | 0.201                                   | 24.5%  | Lower than planned reimbursable expenses against the monthly budget allocation  | 0.917                                   | 22.4%  | Lower than planned reimbursable expenses against the YTD budget allocation   |
| Overtime                                  | 0.069                                   | 53.1%  | Lower than planned reimbursable expenses against the monthly budget allocation  | 0.298                                   | 45.8%  | Lower than planned reimbursable expenses against the YTD budget allocation   |
| Health and Welfare                        | 0.062                                   | 30.8%  | Lower than planned reimbursable expenses against the YTD budget allocation  | 0.289                                   | 28.6%  | Lower than planned reimbursable expenses against the YTD budget allocation   |
| OPEB Current Payment                      | 0.000                                   | -      | No variance   | 0.000                                   | -      | No variance  |
| Pensions                                  | 0.072                                   | 30.5%  | Minor variance  | 0.340                                   | 28.7%  | Lower than planned reimbursable expenses against the YTD budget allocation   |
| Other Fringe Benefits                     | 0.035                                   | 31.0%  | Minor variance  | 0.164                                   | 28.7%  | Lower than planned reimbursable expenses against the YTD budget allocation   |
| Reimbursable Overhead                     | (0.082)                                 | -19.2% | Higher than planned reimbursable expenses against the monthly budget allocation   | (0.467)                                 | -21.9% | Higher than planned reimbursable expenses against the YTD budget allocation  |

**MTA Bridges and Tunnels**  
**February Financial Plan - 2016 Adopted Budget**  
**Non-Reimbursable/Reimbursable Overtime**  
(\$ in millions)

|  | May            |                |               |                |                     |                | May Year-to-Date |                 |                |                |                     |                |
|--|----------------|----------------|---------------|----------------|---------------------|----------------|------------------|-----------------|----------------|----------------|---------------------|----------------|
|  | Adopted Budget |                | Actuals       |                | Var. - Fav./(Unfav) |                | Adopted Budget   |                 | Actuals        |                | Var. - Fav./(Unfav) |                |
|  | Hours          | \$             | Hours         | \$             | Hours               | \$             | Hours            | \$              | Hours          | \$             | Hours               | \$             |
| <b>NON-REIMBURSABLE OVERTIME</b>           |                |                |               |                |                     |                |                  |                 |                |                |                     |                |
| <b>OPERATIONS &amp; MAINTENANCE</b>        |                |                |               |                |                     |                |                  |                 |                |                |                     |                |
| <u>Scheduled Service</u>                   | 5,776          | \$0.409        | 6,044         | \$0.428        | (268)               | (\$0.019)      | 23,153           | \$1.648         | 22,721         | \$1.617        | 432                 | \$0.031        |
|  |                |                |               |                | -4.6%               | -4.6%          |                  |                 |                |                | 1.9%                | 1.9%           |
| <u>Unscheduled Service</u>                 | 165            | \$0.014        | 48            | \$0.004        | 118                 | \$0.010        | 785              | \$0.065         | 195            | \$0.016        | 591                 | \$0.049        |
|  |                |                |               |                | 71.2%               | 71.4%          |                  |                 |                |                | 75.2%               | 75.4%          |
| <u>Programmatic/Routine Maintenance</u>    | 995            | \$0.091        | 1,251         | \$0.114        | (256)               | (\$0.023)      | 4,967            | \$0.455         | 7,818          | \$0.716        | (2,851)             | (\$0.261)      |
|  |                |                |               |                | -25.7%              | -25.3%         |                  |                 |                |                | -57.4%              | -57.4%         |
| <u>Unscheduled Maintenance</u>             | 1,213          | \$0.111        | 852           | \$0.078        | 362                 | \$0.033        | 6,044            | \$0.552         | 3,742          | \$0.342        | 2,303               | \$0.210        |
|  |                |                |               |                | 29.8%               | 29.7%          |                  |                 |                |                | 38.1%               | 38.0%          |
| <u>Vacancy/Absentee Coverage</u>           | 13,631         | \$1.009        | 17,884        | \$1.324        | (4,253)             | (\$0.315)      | 75,859           | \$5.593         | 84,001         | \$6.193        | (8,142)             | (\$0.600)      |
|  |                |                |               |                | -31.2%              | -31.2%         |                  |                 |                |                | -10.7%              | -10.7%         |
| <u>Weather Emergencies</u>                 | 1,020          | \$0.093        | 0             | \$0.000        | 1,020               | \$0.093        | 11,326           | \$0.918         | 9,623          | \$0.780        | 1,704               | \$0.138        |
|  |                |                |               |                | 100.0%              | 100.0%         |                  |                 |                |                | 15.0%               | 15.0%          |
| <u>Safety/Security/Law Enforcement</u>     | 3,139          | \$0.228        | 1,143         | \$0.083        | 1,997               | \$0.145        | 15,693           | \$1.140         | 6,349          | \$0.461        | 9,344               | \$0.679        |
|  |                |                |               |                | 63.6%               | 63.6%          |                  |                 |                |                | 59.5%               | 59.6%          |
| <u>Other</u>                               | 116            | \$0.011        | 326           | \$0.031        | (210)               | (\$0.020)      | 595              | \$0.056         | 182            | \$0.017        | 414                 | \$0.039        |
|  |                |                |               |                | **                  | **             |                  |                 |                |                | 69.5%               | 69.6%          |
| <u>*All Other Departments and Accruals</u> |                | \$0.180        |               | (\$0.247)      |                     | \$0.427        |                  | \$0.861         |                | (\$0.671)      |                     | \$1.532        |
|  |                |                |               |                |                     | **             |                  |                 |                |                |                     | **             |
| Subtotal                                   | 26,055         | \$2.146        | 27,546        | \$1.815        | (1,491)             | \$0.331        | 138,422          | \$11.288        | 134,630        | \$9.471        | 3,793               | \$1.817        |
|  |                |                |               |                | -5.7%               | 15.4%          |                  |                 |                |                | 2.7%                | 16.1%          |
| <b>REIMBURSABLE OVERTIME</b>               | 1,687          | \$0.130        | 927           | \$0.061        | 760                 | \$0.069        | 8,436            | \$0.650         | 5,585          | \$0.352        | 2,851               | \$0.298        |
|  |                |                |               |                | 45.1%               | 53.1%          |                  |                 |                |                | 33.8%               | 45.8%          |
| <b>TOTAL OVERTIME</b>                      | <b>27,742</b>  | <b>\$2.276</b> | <b>28,473</b> | <b>\$1.876</b> | <b>(731)</b>        | <b>\$0.400</b> | <b>146,858</b>   | <b>\$11.938</b> | <b>140,215</b> | <b>\$9.823</b> | <b>6,644</b>        | <b>\$2.115</b> |
|  |                |                |               |                | -2.6%               | 17.6%          |                  |                 |                |                | 4.5%                | 17.7%          |

Figures are preliminary.

Totals may not add due to rounding

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

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

\*\*Variance exceeds 100%.

**MTA Bridges and Tunnels**  
**February Financial Plan - 2016 Adopted Budget**  
**Non-Reimbursable/Reimbursable Overtime**  
(\$ in millions)

|  | Monthly             |                     |   | Year-to-Date        |                     |   |
|--|---------------------|---------------------|---|---------------------|---------------------|---|
|  | Var. - Fav./(Unfav) |                     | Explanations  | Var. - Fav./(Unfav) |                     | Explanations  |
|  | Hours               | \$                  |   | Hours               | \$                  |   |
| <b>NON-REIMBURSABLE OVERTIME</b>           |                     |                     |   |                     |                     |   |
| <b>OPERATIONS &amp; MAINTENANCE</b>        |                     |                     |   |                     |                     |   |
| <u>Scheduled Service</u>                   | (268)<br>-4.6%      | (\$0.019)<br>-4.6%  | Higher than planned expenses  | 432<br>1.9%         | \$0.031<br>1.9%     | Lower than planned expenses   |
| <u>Unscheduled Service</u>                 | 118<br>71.2%        | \$0.010<br>71.4%    | Lower than planned expenses   | 591<br>75.2%        | \$0.049<br>75.4%    | Lower than planned expenses   |
| <u>Programmatic/Routine Maintenance</u>    | (256)<br>-25.7%     | (\$0.023)<br>-25.3% | Higher than planned expenses  | (2,851)<br>-57.4%   | (\$0.261)<br>-57.4% | Higher than planned expenses  |
| <u>Unscheduled Maintenance</u>             | 362<br>29.8%        | \$0.033<br>29.7%    | Lower than planned expenses   | 2,303<br>38.1%      | \$0.210<br>38.0%    | Lower than planned expenses   |
| <u>Vacancy/Absentee Coverage</u>           | (4,253)<br>-31.2%   | (\$0.315)<br>-31.2% | Higher than planned expenses  | (8,142)<br>-10.7%   | (\$0.600)<br>-10.7% | Higher than planned expenses  |
| <u>Weather Emergencies</u>                 | 1,020<br>100.0%     | \$0.093<br>100.0%   | Lower than planned expenses   | 1,704<br>15.0%      | \$0.138<br>15.0%    | Lower than planned expenses   |
| <u>Safety/Security/Law Enforcement</u>     | 1,997<br>63.6%      | \$0.145<br>63.6%    | Lower than planned expenses   | 9,344<br>59.5%      | \$0.679<br>59.6%    | Lower than planned expenses   |
| <u>Other</u>                               | (210)<br>**         | (\$0.020)<br>**     | Higher than planned expenses  | 414<br>69.5%        | \$0.039<br>69.6%    | Lower than planned expenses   |
| <u>*All Other Departments and Accruals</u> |                     | \$0.427<br>**       | Primarily due to adjustments for the 28-day OT payroll lag  |                     | \$1.532<br>**       | Primarily due to adjustments for the 28-day OT payroll lag  |
| <b>Subtotal</b>                            | (1,491)<br>-5.7%    | \$0.331<br>15.4%    |   | 3,793<br>2.7%       | \$1.817<br>16.1%    |   |
| <b>REIMBURSABLE OVERTIME</b>               | 760<br>45.1%        | \$0.069<br>53.1%    | Primarily due to the timing of billing for projects eligible for reimbursement from the capital program | 2,851<br>33.8%      | \$0.298<br>45.8%    | Primarily due to the timing of billing for projects eligible for reimbursement from the capital program |
| <b>TOTAL OVERTIME</b>                      | <b>(731)</b>        | <b>\$0.400</b>      |   | <b>6,644</b>        | <b>\$2.115</b>      |   |

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**

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| <b><u>Type</u></b>                      | <b><u>Definition</u></b>  |
|---|---|
| <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 May****Year to date ending May 2016****Comparison Current Year vs. Prior Year:**

| <b>Prior Year</b> |                | <b>Current Year</b> |                | <b>Percentage Change</b> |                |                            | <b>Prior Year*</b> |                | <b>Current Year</b> |                | <b>Percentage Change</b> |                |
|-------------------|----------------|---------------------|----------------|--------------------------|----------------|----------------------------|--------------------|----------------|---------------------|----------------|--------------------------|----------------|
| <b>Traffic</b>    | <b>Revenue</b> | <b>Traffic</b>      | <b>Revenue</b> | <b>Traffic</b>           | <b>Revenue</b> |                            | <b>Traffic</b>     | <b>Revenue</b> | <b>Traffic</b>      | <b>Revenue</b> | <b>Traffic</b>           | <b>Revenue</b> |
| 3.7               | \$25.7         | 4.0                 | \$27.8         | 8.5%                     | 8.0%           | Bronx-Whitestone           | 15.9               | \$110.2        | 18.0                | \$126.0        | 12.7%                    | 14.4%          |
| 0.7               | 1.6            | 0.7                 | 1.6            | 1.5%                     | 2.3%           | Cross Bay                  | 3.0                | 6.4            | 3.2                 | 7.0            | 5.9%                     | 8.7%           |
| 2.1               | 6.5            | 2.2                 | 6.8            | 5.4%                     | 4.7%           | Henry Hudson               | 8.9                | 26.8           | 9.7                 | 29.9           | 9.1%                     | 11.6%          |
| 1.6               | 9.5            | 1.6                 | 9.9            | 4.4%                     | 3.7%           | Hugh L. Carey              | 7.0                | 41.9           | 7.5                 | 45.3           | 6.4%                     | 8.1%           |
| 0.7               | 1.5            | 0.7                 | 1.5            | -1.2%                    | -1.9%          | Marine Parkway             | 2.8                | 6.0            | 3.0                 | 6.4            | 4.3%                     | 6.6%           |
| 2.5               | 16.0           | 2.4                 | 15.6           | -1.9%                    | -2.9%          | Queens Midtown             | 11.7               | 73.2           | 11.6                | 74.0           | -0.4%                    | 1.0%           |
| 2.7               | 19.7           | 2.6                 | 19.0           | -2.6%                    | -3.2%          | RFK - Bronx                | 11.7               | 85.1           | 11.9                | 87.7           | 1.2%                     | 3.1%           |
| 3.0               | 18.9           | 2.9                 | 18.3           | -2.8%                    | -3.4%          | RFK - Manhattan            | 12.6               | 77.9           | 13.0                | 81.5           | 2.9%                     | 4.6%           |
| 3.8               | 29.4           | 3.8                 | 29.5           | 0.1%                     | 0.1%           | Throgs Neck                | 16.4               | 124.3          | 17.2                | 133.5          | 5.1%                     | 7.4%           |
| 5.8               | 32.7           | 6.0                 | 33.6           | 3.6%                     | 2.7%           | Verrazano-Narrows          | 26.0               | 144.5          | 27.8                | 154.6          | 6.6%                     | 7.0%           |
| <b>26.5</b>       | <b>\$161.6</b> | <b>27.0</b>         | <b>\$163.5</b> | <b>1.9%</b>              | <b>1.2%</b>    | <b>Total</b>               | <b>116.1</b>       | <b>\$696.2</b> | <b>122.7</b>        | <b>\$745.8</b> | <b>5.7%</b>              | <b>7.1%</b>    |
|                   | <b>\$6.093</b> |                     | <b>\$6.047</b> |                          | <b>-0.8%</b>   | <b>Revenue Per Vehicle</b> |                    | <b>\$5.994</b> |                     | <b>\$6.076</b> |                          | <b>1.4%</b>    |

Note: Numbers may not add due to rounding.

\*Toll increase implemented March 22, 2015

**Comparison Actual vs. Adopted Budget:**

| <b>May Budget</b> |                | <b>May Actual</b> |                | <b>Percentage Change</b> |                |                            | <b>YTD Budget</b> |                | <b>YTD Actual</b> |                | <b>Percentage Change</b> |                |
|-------------------|----------------|-------------------|----------------|--------------------------|----------------|----------------------------|-------------------|----------------|-------------------|----------------|--------------------------|----------------|
| <b>Traffic</b>    | <b>Revenue</b> | <b>Traffic</b>    | <b>Revenue</b> | <b>Traffic</b>           | <b>Revenue</b> |                            | <b>Traffic</b>    | <b>Revenue</b> | <b>Traffic</b>    | <b>Revenue</b> | <b>Traffic</b>           | <b>Revenue</b> |
| <b>26.4</b>       | <b>161.7</b>   | <b>27.0</b>       | <b>163.5</b>   | <b>2.2%</b>              | <b>1.1%</b>    | <b>Total All</b>           | <b>117.9</b>      | <b>\$719.6</b> | <b>122.7</b>      | <b>\$745.8</b> | <b>4.1%</b>              | <b>3.6%</b>    |
|                   | <b>\$6.116</b> |                   | <b>\$6.047</b> |                          | <b>-1.1%</b>   | <b>Revenue Per Vehicle</b> |                   | <b>\$6.102</b> |                   | <b>\$6.076</b> |                          | <b>-0.4%</b>   |

**MTA BRIDGES AND TUNNELS**  
**FEBRUARY FINANCIAL PLAN - 2016 ADOPTED BUDGET**  
**TOTAL POSITIONS BY FUNCTION AND DEPARTMENT**  
**NON-REIMBURSABLE/REIMBURSABLE and FULL-TIME POSITIONS/FULL-TIME EQUIVALENTS**  
**May 2016**

| Department                       | Adopted Budget | Actual       | Favorable (Unfavorable) Variance | Explanation of Variances                           |
|----------------------------------|----------------|--------------|----------------------------------|--|
| <b>Administration</b>            |                |              |                                  |  |
| Executive                        | 10             | 7            | 3                                | 4 Professional vacancies and 1 Managerial overage  |
| Law <sup>(1)</sup>               | 14             | 15           | (1)                              | 1 Professional overage                             |
| CFO <sup>(2)</sup>               | 25             | 22           | 3                                | 5 Managerial vacancies and 2 Professional overages |
| Administration <sup>(3)</sup>    | 36             | 38           | (2)                              | 2 Professional overages                            |
| EEO                              | 2              | 1            | 1                                | 1 Managerial vacancy                               |
| <b>Total Administration</b>      | <b>87</b>      | <b>83</b>    | <b>4</b>                         |  |
| <b>Operations</b>                |                |              |                                  |  |
| Revenue Management               | 42             | 37           | 5                                | 4 Managerial vacancies and 1 BTO vacancy           |
| Operations (Non-Security)        | 712            | 499          | 213                              | 167 BTO and 46 Managerial vacancies                |
| <b>Total Operations</b>          | <b>754</b>     | <b>536</b>   | <b>218</b>                       |  |
| <b>Maintenance</b>               |                |              |                                  |  |
| Maintenance                      | 212            | 206          | 6                                | 6 Managerial vacancies                             |
| Operations - Maintainers         | 166            | 156          | 10                               | 10 Maintainer vacancies                            |
| <b>Total Maintenance</b>         | <b>378</b>     | <b>362</b>   | <b>16</b>                        |  |
| <b>Engineering/Capital</b>       |                |              |                                  |  |
| Engineering & Construction       | 184            | 158          | 26                               | 15 Managerial and 11 Professional vacancies        |
| Safety & Health                  | 11             | 8            | 3                                | 1 Managerial vacancy and 2 Professional vacancies  |
| Law <sup>(1)</sup>               | 23             | 18           | 5                                | 1 Managerial and 4 Professional vacancies          |
| CFO-Planning & Budget Capital    | 27             | 16           | 11                               | 4 Managerial and 7 Professional vacancies          |
| <b>Total Engineering/Capital</b> | <b>245</b>     | <b>200</b>   | <b>45</b>                        |  |
| <b>Public Safety</b>             |                |              |                                  |  |
| Operations (Security)            | 232            | 232          | -                                |  |
| Internal Security - Operations   | 42             | 36           | 6                                | 6 Professional vacancies                           |
| <b>Total Public Safety</b>       | <b>274</b>     | <b>268</b>   | <b>6</b>                         |  |
| <b>Total Positions</b>           | <b>1,738</b>   | <b>1,449</b> | <b>289</b>                       |  |
| Non-Reimbursable                 | 1,651          | 1,362        | 289                              |  |
| Reimbursable                     | 87             | 87           | -                                |  |
| <b>Total Full-Time</b>           | <b>1,738</b>   | <b>1,449</b> | <b>289</b>                       |  |

(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**  
**FEBRUARY FINANCIAL PLAN - 2016 ADOPTED BUDGET**  
**TOTAL POSITIONS BY FUNCTION AND OCCUPATION**  
**FULL-TIME POSITIONS and FULL-TIME EQUIVALENTS**  
**May 2016**

|                                     | Adopted<br>Budget | Actual       | Favorable<br>(Unfavorable)<br>Variance | Explanation of Variances   |
|-------------------------------------|-------------------|--------------|--|--|
| <b>Administration</b>               |                   |              |  |  |
| Managers/Supervisors                | 34                | 29           | 5                                      | 5 vacancies in CFO, 1 vacancy in EEO, and 1 overage in Executive                       |
| Professional, Technical, Clerical   | 53                | 54           | (1)                                    | 4 vacancies in Executive, 2 overages in Administration, 1 overage in CFO, and 1 in Law |
| Operational Hourlies                | -                 | -            | -                                      |  |
| <b>Total Administration</b>         | <b>87</b>         | <b>83</b>    | <b>4</b>                               |  |
| <b>Operations</b>                   |                   |              |  |  |
| Managers/Supervisors                | 211               | 161          | 50                                     | 46 vacancies in Operations and 4 in Revenue Management                                 |
| Professional, Technical, Clerical   | 34                | 34           | -                                      |  |
| Operational Hourlies <sup>(1)</sup> | 509               | 341          | 168                                    | 167 BTO vacancies in Operations and 1 vacancy in Revenue Management                    |
| <b>Total Operations</b>             | <b>754</b>        | <b>536</b>   | <b>218</b>                             |  |
| <b>Maintenance</b>                  |                   |              |  |  |
| Managers/Supervisors                | 20                | 14           | 6                                      | 6 vacancies in Maintenance   |
| Professional, Technical, Clerical   | 15                | 15           | -                                      |  |
| Operational Hourlies <sup>(2)</sup> | 343               | 333          | 10                                     | 10 Maintainer vacancies in Operations  |
| <b>Total Maintenance</b>            | <b>378</b>        | <b>362</b>   | <b>16</b>                              |  |
| <b>Engineering/Capital</b>          |                   |              |  |  |
| Managers/Supervisors                | 62                | 41           | 21                                     | 15 vacancies in Engineering, 4 in CFO, 1 vacancy in Safety and Health, and 1 in Law    |
| Professional, Technical, Clerical   | 183               | 159          | 24                                     | 11 vacancies in Engineering, 7 in CFO, 4 in Law, and 2 in Safety and Health            |
| Operational Hourlies                | -                 | -            | -                                      |  |
| <b>Total Engineering/Capital</b>    | <b>245</b>        | <b>200</b>   | <b>45</b>                              |  |
| <b>Public Safety</b>                |                   |              |  |  |
| Managers/Supervisors                | 45                | 45           | -                                      |  |
| Professional, Technical, Clerical   | 33                | 27           | 6                                      | 6 vacancies in Internal Security   |
| Operational Hourlies <sup>(3)</sup> | 196               | 196          | -                                      |  |
| <b>Total Public Safety</b>          | <b>274</b>        | <b>268</b>   | <b>6</b>                               |  |
| <b>Total Positions</b>              |                   |              |  |  |
| Managers/Supervisors                | 372               | 290          | 82                                     |  |
| Professional, Technical, Clerical   | 318               | 289          | 29                                     |  |
| Operational Hourlies                | 1,048             | 870          | 178                                    |  |
| <b>Total Positions</b>              | <b>1,738</b>      | <b>1,449</b> | <b>289</b>                             |  |

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

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

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



# **Bridges and Tunnels**

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## **Capital Program Project Status Report June 2016**

MTA BRIDGES & TUNNELS  
CAPITAL PROGRAM  
STATUS REPORT  
JUNE 30, 2016

Introduction

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

Commitments

In June, six commitments with a total value of \$1.9 million were awarded from the 2016 plan (*See Attachment 1, 2016 Commitment Chart; Attachment 7 – 2016 Commitment Plan*).

Year to date, 33 commitments have been made with a total value of \$21.9 million compared to the plan calling for 45 commitments with a total value of \$39.5 million from the 2016 plan. All ten commitments totaling \$43.0 million have been made from the 2015 plan.

Completions

There were four project completions, as planned in June for \$39.1 million (*See Attachment 3 - 2016 Completion Chart; Attachment 4 – 2016 Major Project Completions; Attachment 5 - 2016 Project Completion Plan; Attachment 10 – 2015 Completion Plan*). The major completions in June were:

- MP21, Rehabilitation Rockaway Point Boulevard Overpass for \$11.1 million
- VN87, Substation #1 Rehabilitation for \$16.6 million

Closeouts

There were eight task level closeouts in June for \$7.9 million. (*See Attachment 6 – 2016 Task Level Closeouts*). Year to date there are 67 task level closeouts totaling \$84.7 million.

Award Date Changes for Remaining Commitments

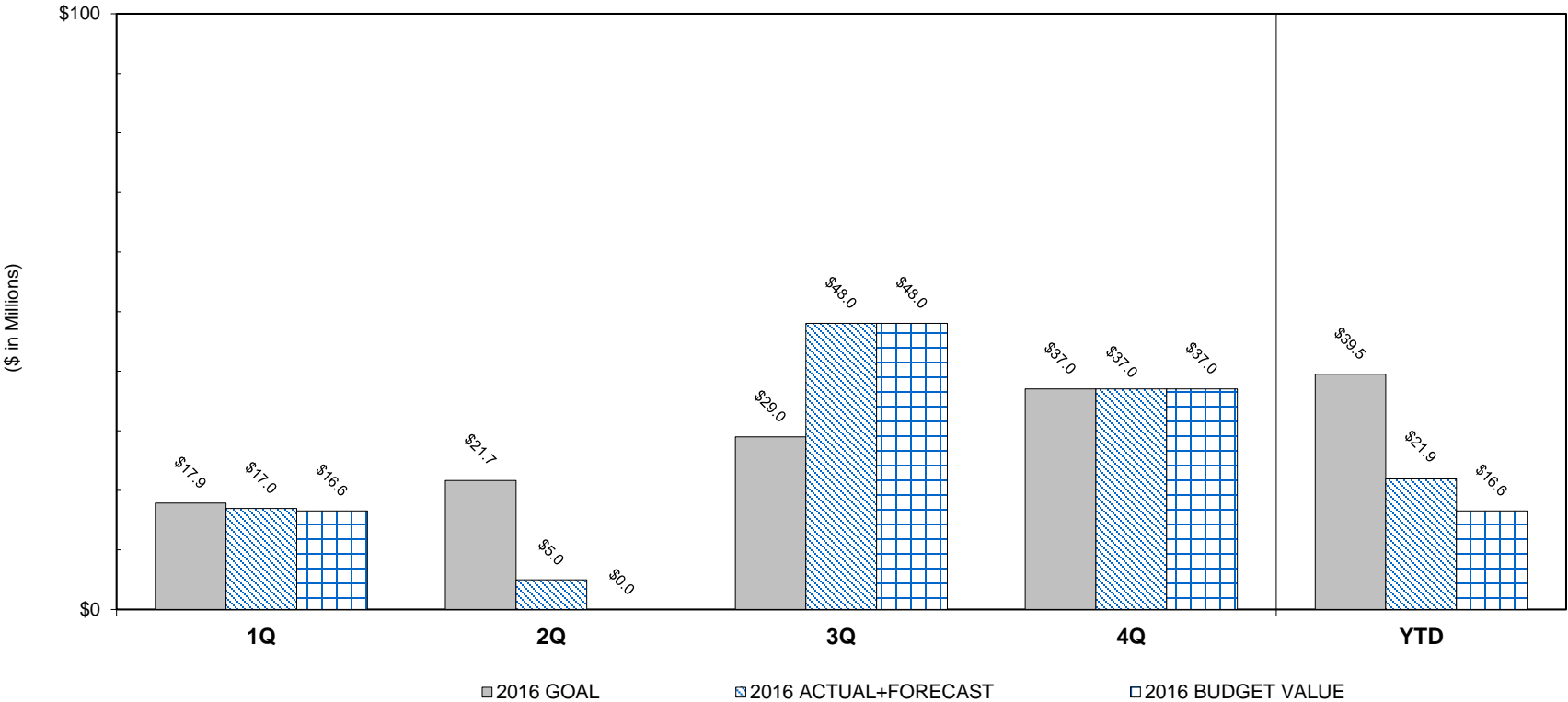
There are no significant date changes this month.

Completion Date Changes for Remaining Projects

There were no completion date changes this month.

MTA Bridges and Tunnels  
Commitments as of June 30, 2016

|                      |         |                     |
|----------------------|---------|---------------------|
| 2016 Budget Goal:    | \$105.5 |                     |
| 2016 Annual Forecast | \$107.0 |                     |
| YTD Goal:            | \$39.5  |                     |
| YTD Actual:          | \$21.9  | (55.5% of YTD Goal) |
| YTD Budgeted Value:  | \$16.6  | (41.9% of YTD Goal) |
| Left to Commit:      | \$85.1  |                     |

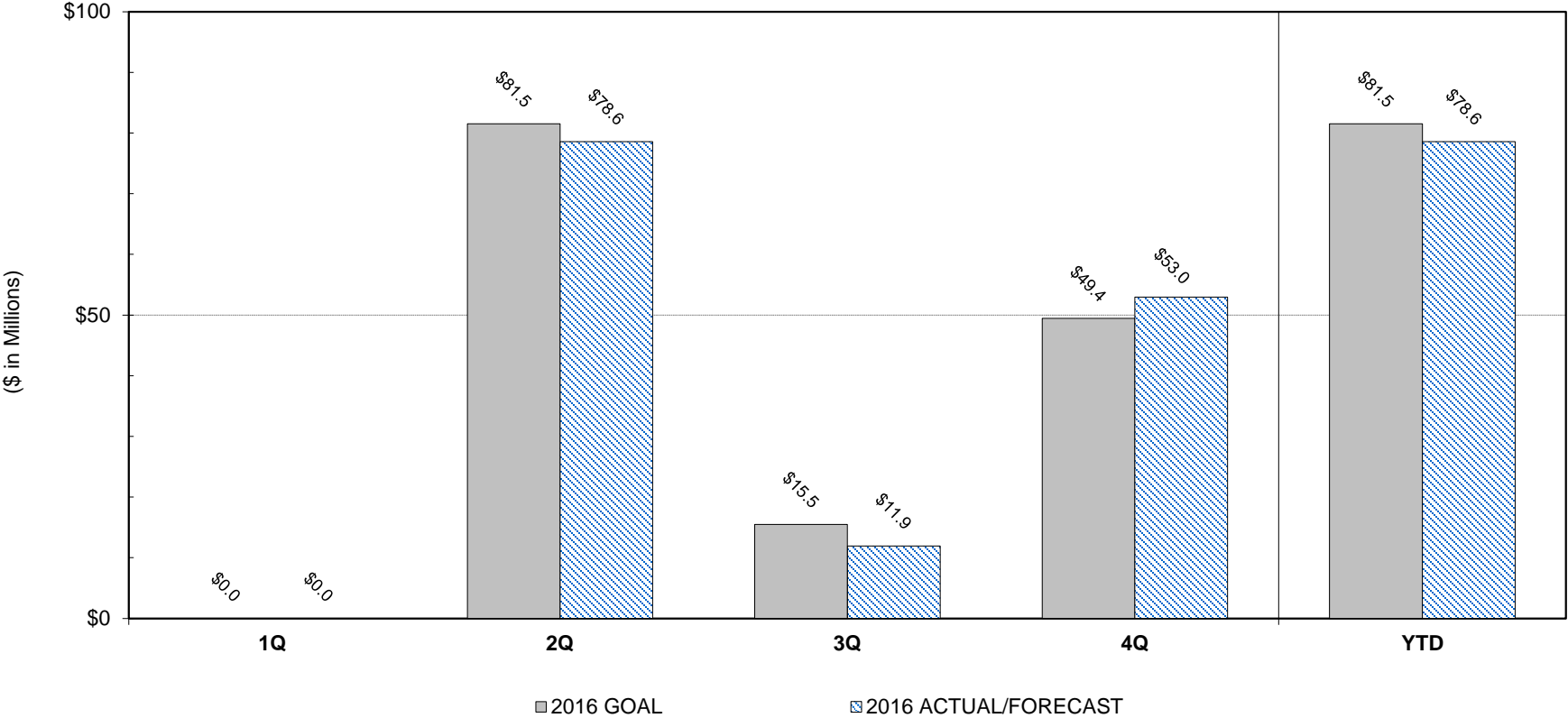


## MTA Bridges and Tunnels: Status of Major Commitments as of June 30, 2016

| 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                  | \$12.5             | \$12.5         | Sep-16     | Jan-16             | Sep-16            | F     |
| D704RK21 | Installation of Fire Standpipe & Upgrade of Fire Protection System | \$17.0                  | \$17.0             | \$17.0         | Dec-16     | Mar-16             | Dec-16            | F     |

**MTA Bridges and Tunnels**  
**Completions as of June 30, 2016**

|                       |                            |
|-----------------------|----------------------------|
| 2016 Budget Goal:     | \$146.4                    |
| 2016 Annual Forecast: | \$143.5                    |
| YTD Goal:             | \$81.5                     |
| YTD Actual:           | \$78.6 (96.4% of YTD Goal) |
| Left to Complete:     | \$64.9                     |



## MTA Bridges and Tunnels: Status of Major Completions as of June 30, 2016

| Project         |  | Budget (\$ in Millions) |                    | Completions Status  |                     | Completion Date |                   |   | Notes |
|-----------------|--|-------------------------|--------------------|---------------------|---------------------|-----------------|-------------------|---|-------|
|                 |  | 2016 Goal               | Actual / Forecast* | Physical % Complete | % Contingency Spent | 2016 Goal       | Actual / Forecast |   |       |
| <b>D602MP21</b> | Rehabilitate Rockaway Point Blvd Overpass                | \$11.1                  | \$11.1             | 91%                 | 0%                  | May-16          | Jun-16            | A | 1     |
| <b>G5140108</b> | ThrogsNeck Integrated Electronic Security                | \$20.4                  | \$20.4             | 94%                 | 76%                 | May-16          | May-16            | A |       |
| <b>D601TN52</b> | Miscellaneous Structural Rehabilitation                  | \$22.0                  | \$19.1             | 99%                 | 60%                 | May-16          | May-16            | A | 2     |
| <b>D604VN87</b> | Substation #1 Rehabilitation                             | \$16.6                  | \$16.6             | 94%                 | 0%                  | Jun-16          | Jun-16            | A |       |
| <b>D601RK76</b> | Miscellaneous Structural Repair                          | \$11.2                  | \$11.2             | 60%                 | 51%                 | Sep-16          | Sep-16            | F |       |
| <b>D602HH88</b> | HH88A: Replace Upper & Lower Level Plza & Southbnd. Apr. | \$49.4                  | \$49.4             | 80%                 | 60%                 | Dec-16          | Dec-16            | F |       |

\* 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

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

| Project ID<br>(ACEP)         | Project Description                                       | Type              | Goal<br>End Date    | Goal Value           | Budgeted Value       | Actual<br>End Date | Actual Value        | Forecast End<br>Date | Forecast<br>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        |                      |                     |
|                              |   |                   | <b>May-16 Total</b> | <b>\$53,469,780</b>  | <b>\$53,469,780</b>  |                    |                     |                      |                     |
| 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        |                      |                     |
|                              |   |                   | <b>Jun-16 Total</b> | <b>\$28,032,123</b>  | <b>\$28,032,123</b>  |                    |                     |                      |                     |
| D603AW48                     | 2nd Generation E-Zpass In-Lane                            | Study             | Aug-16              | \$3,533,142          | \$3,533,142          |                    |                     | Nov-16               | \$3,533,142         |
|                              |   |                   | <b>Aug-16 Total</b> | <b>\$3,533,142</b>   | <b>\$3,533,142</b>   |                    |                     |                      |                     |
| D601RK76                     | Miscellaneous Structural Repair                           | Project           | Sep-16              | \$11,171,357         | \$11,171,357         |                    |                     | Sep-16               | \$11,171,357        |
| ED010304                     | Queens Midtown Tunnel Mitigation-Flood Gates&Other        | Construction      | Sep-16              | \$771,677            | \$771,677            |                    |                     | Sep-16               | \$771,677           |
|                              |   |                   | <b>Sep-16 Total</b> | <b>\$11,943,034</b>  | <b>\$11,943,034</b>  |                    |                     |                      |                     |
| D602HH88                     | HH88A: Replace Upper & Lower Level Plza & Southbnd. Appr. | Phase A - Project | Dec-16              | \$49,437,562         | \$49,437,562         |                    |                     | Dec-16               | \$49,437,562        |
|                              |   |                   | <b>Dec-16 Total</b> | <b>\$49,437,562</b>  | <b>\$49,437,562</b>  |                    |                     |                      |                     |
|                              |   |                   | <b>Grand Total</b>  | <b>\$146,415,640</b> | <b>\$146,415,640</b> |                    |                     |                      |                     |
| <b>Unplanned Completions</b> |   |                   |                     |                      |                      |                    |                     |                      |                     |
|                              |   |                   | <b>Grand Total:</b> | <b>\$146,415,640</b> | <b>\$146,415,640</b> |                    | <b>\$78,571,742</b> | <b>Remaining</b>     | <b>\$64,913,737</b> |

\* 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<br>WAR | CERTIFICATE<br>DATE | CERTIFICATE<br>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 PrototypePhi(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        |

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

| PROJECT      | PROJECT DESCRIPTION   | TASK   | TASK DESCRIPTION   | CLOSEOUT<br>WAR | CERTIFICATE<br>DATE | CERTIFICATE<br>AMOUNT  |
|--------------|---|--------|--|-----------------|---------------------|------------------------|
| 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            |
| 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 | ConstrPrototypePhl(GFM-495F,WO#63)                       | E00001452A      | May-16              | \$844,604.80           |
| ED050203     | Queens Midtown Tunnel Environmental Cleanup                 | E02206 | Constr PrototypePhl 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           |
| <b>Total</b> |   |        |  |                 | <b>67</b>           | <b>\$84,732,247.61</b> |

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            | \$20,000     |                     |                |
| 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     |                     |                |
|          |  |             |                                    | <b>Jan-16 Total</b> | <b>\$7,650,776</b> | <b>\$7,650,776</b> |                   |              |                     |                |
| 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  |                     |                |
|          |  |             |                                    | <b>Feb-16 Total</b> | <b>\$2,676,200</b> | <b>\$2,676,200</b> |                   |              |                     |                |
| 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     | Jul-16              | \$501,352      |
| D701HH07 | Structural Rehabilitation                                    | D03762      | PM Design F/A                      | Mar-16              | \$501,352          | \$501,352          |                   |              | Jul-16              | \$158,165      |
| D707HH30 | Replacement of HHB Overcoat System                           | D03785      | PM Design F/A                      | Mar-16              | \$158,165          | \$158,165          |                   |              |                     |                |
| 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        |                   |              | Jul-16              | \$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          |                   |              | Jul-16              | \$500,000      |
| 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  |                     |                |
|          |  |             |                                    | <b>Mar-16 Total</b> | <b>\$7,523,739</b> | <b>\$7,523,739</b> |                   |              |                     |                |
| 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              | \$8,000,000    |
| 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     |                     |                |
|          |  |             |                                    | <b>May-16 Total</b> | <b>\$8,084,365</b> | <b>\$8,084,365</b> |                   |              |                     |                |

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 |
|----------|---|-------------|------------------------------------|---------------------|---------------------|---------------------|-------------------|--------------|---------------------|----------------|
| D701BW07 | Fender Protection around Tower Piers (Const)                            | D03808      | 10% Design & D/B RFP Development   | Jun-16              | \$1,500,000         | \$1,500,000         |                   |              | -                   | -              |
| 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           |                   |              | -                   | -              |
| 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         |                   |              | Jul-16              | \$2,313,395    |
| D704HH13 | Replacement of Facility Lighting System                                 | D03779      | PM Const. F/A                      | Jun-16              | \$254,000           | \$254,000           |                   |              | Jul-16              | \$254,000      |
| D701RK19 | Seismic/Wind Retrofit & Structural Rehab Ph1                            | D03591      | PM Design F/A                      | Jun-16              | \$1,000,000         | \$1,000,000         |                   |              | Jul-16              | \$1,000,000    |
| D701RK70 | Miscellaneous Structural Rehabilitation                                 | D03661      | PM Design F/A                      | Jun-16              | \$1,000,000         | \$1,000,000         |                   |              | Jul-16              | \$1,000,000    |
| 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           |                   |              | Jul-16              | \$800,000      |
| D707RK70 | Miscellaneous Structural Rehabilitation                                 | D03669      | PM Design F/A                      | Jun-16              | \$150,000           | \$150,000           |                   |              | Jul-16              | \$150,000      |
| D702VN11 | Brooklyn Approach Reconstruction  | D03716      | Design                             | Jun-16              | \$2,000,000         | \$2,000,000         |                   |              | Jul-16              | \$2,000,000    |
| D704VN30 | Elevator Rehabilitation   | D03729      | BC Development F/A                 | Jun-16              | \$31,633            | \$31,633            | Jun-16            | \$31,633     |                     |                |
|          |   |             |                                    | <b>Jun-16 Total</b> | <b>\$13,579,492</b> | <b>\$13,579,492</b> |                   |              |                     |                |
| 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 Dsign & Env. Permits   | Jul-16              | \$1,000,000         | \$1,000,000         |                   |              | Jul-16              | \$1,000,000    |
| 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              | \$609,901      |
|          |   |             |                                    | <b>Jul-16 Total</b> | <b>\$4,109,901</b>  | <b>\$4,109,901</b>  |                   |              |                     |                |
| D704BW39 | Install Electronic Monitoring & Detection Systems                       | D03558      | PM Const.F/A                       | Aug-16              | \$1,000,000         | \$1,000,000         |                   |              | Aug-16              | \$1,000,000    |
| D704RK60 | Installation of Facility-wide Electronic Monitoring and Detection Syste | D03647      | PM Construction F/A                | Aug-16              | \$1,000,000         | \$1,000,000         |                   |              | Aug-16              | \$1,000,000    |
|          |   |             |                                    | <b>Aug-16 Total</b> | <b>\$2,000,000</b>  | <b>\$2,000,000</b>  |                   |              |                     |                |
| 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              | \$200,000      |
| D704HC64 | Brooklyn Service Building Electrical Rehab.                             | D03735      | PM Design F/A & D/B RFP Dev.       | Sep-16              | \$224,973           | \$224,973           |                   |              | Sep-16              | \$224,973      |
| D705HC80 | Rehabilitation of Ventilation Buildings                                 | D03754      | PM Design F/A                      | Sep-16              | \$1,000,000         | \$1,000,000         |                   |              | Sep-16              | \$1,000,000    |
| D701HH07 | Structural Rehabilitation   | D03767      | Design                             | Sep-16              | \$1,200,000         | \$1,200,000         |                   |              | Sep-16              | \$1,200,000    |
| D707HH30 | Replacement of HHB Overcoat System                                      | D03786      | Design                             | Sep-16              | \$750,863           | \$750,863           |                   |              | Sep-16              | \$750,863      |
| D701QM18 | Manhattan/Queens Plaza Structural Rehab                                 | D03534      | DesignPh. 2                        | Sep-16              | \$5,046,010         | \$5,046,010         |                   |              | Sep-16              | \$5,046,010    |
| 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           |                   |              | Sep-16              | \$200,000      |

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      |
|------------------------------|--|-------------|--|---------------------|----------------------|----------------------|-------------------|---------------------|----------------------|---------------------|
| D705QM36                     | Rehabilitation of Ventilation Building                             | D03546      | PM Design F/A                                | Sep-16              | \$768,803            | \$768,803            |                   |                     | Sep-16               | \$768,803           |
| D701RK20                     | Main Bridge Cable Inspection and Rehabilitation                    | D03607      | PM Design F/A                                | Sep-16              | \$865,929            | \$865,929            |                   |                     | Sep-16               | \$865,929           |
| D702RK23                     | Construction of New Harlem River Drive Ramp                        | D03630      | BC Development F/A                           | Sep-16              | \$56,243             | \$56,243             |                   |                     | Sep-16               | \$56,243            |
| D702VN84                     | Reconstruction of VN Approach Ramps - Ph1                          | D03404      | Design                                       | Sep-16              | \$12,500,000         | \$12,500,000         |                   |                     | Sep-16               | \$12,500,000        |
| D702VN86                     | Widening of Belt Parkway - Design                                  | D03763      | BC Development F/A                           | Sep-16              | \$56,243             | \$56,243             |                   |                     | Sep-16               | \$56,243            |
|                              |  |             |  | <b>Sep-16 Total</b> | <b>\$22,869,064</b>  | <b>\$22,869,064</b>  |                   |                     |                      |                     |
| D701TN87                     | Anchorage & Tower Protection                                       | D03702      | PM Design F/A                                | Oct-16              | \$2,000,000          | \$2,000,000          |                   |                     | Oct-16               | \$2,000,000         |
| D707VN49                     | Painting of Suspended Span Upper & Lower Level Steel & Truss       | D03827      | In-House Design F/A                          | Oct-16              | \$285,000            | \$285,000            |                   |                     | Oct-16               | \$285,000           |
|                              |  |             |  | <b>Oct-16 Total</b> | <b>\$2,285,000</b>   | <b>\$2,285,000</b>   |                   |                     |                      |                     |
| D703HH88                     | Reconstruction of Toll Plazas and Southbound Approach              | D03793      | Construction Adm.                            | Nov-16              | \$6,000,000          | \$6,000,000          |                   |                     | Nov-16               | \$6,000,000         |
| D704HH13                     | Replacement of Facility Lighting System                            | D03780      | Construction Adm.                            | Nov-16              | \$800,000            | \$800,000            |                   |                     | Nov-16               | \$800,000           |
| D704RK21                     | Installation of Fire Standpipe & Upgrade of Fire Protection System | D03396      | Construction Adm. (I/Q)                      | Nov-16              | \$2,000,000          | \$2,000,000          |                   |                     | Nov-16               | \$2,000,000         |
|                              |  |             |  | <b>Nov-16 Total</b> | <b>\$8,800,000</b>   | <b>\$8,800,000</b>   |                   |                     |                      |                     |
| D603AW35                     | Replacement of Weather Information Systems                         | D02480      | 3rd Pty-Furnish/install                      | Dec-16              | \$1,871,967          | \$1,871,967          |                   |                     | Dec-16               | \$1,871,967         |
| 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             |                   |                     | Dec-16               | \$25,000            |
| D706AW28                     | Scope Development  | D03454      | PM Design-TD F/A                             | Dec-16              | \$200,000            | \$200,000            |                   |                     | Dec-16               | \$200,000           |
| D701HH89                     | Skewback Retrofit  | D03522      | Construction Adm.                            | Dec-16              | \$5,184,930          | \$5,184,930          |                   |                     | Dec-16               | \$5,184,930         |
| D704HH19                     | Replacement and Upgrade of Substations                             | D03814      | PM Design F/A                                | Dec-16              | \$362,432            | \$362,432            |                   |                     | Dec-16               | \$362,432           |
| D704RK21                     | Installation of Fire Standpipe & Upgrade of Fire Protection System | D03397      | Design/Build                                 | Dec-16              | \$17,043,254         | \$17,043,254         |                   |                     | Dec-16               | \$17,043,254        |
| D704RK21                     | Installation of Fire Standpipe & Upgrade of Fire Protection System | D03398      | Operations F/A                               | Dec-16              | \$243,331            | \$243,331            |                   |                     | Dec-16               | \$243,331           |
| D704VN30                     | Elevator Rehabilitation  | D03730      | PM Design F/A                                | Dec-16              | \$700,399            | \$700,399            |                   |                     | Dec-16               | \$700,399           |
|                              |  |             |  | <b>Dec-16 Total</b> | <b>\$25,947,565</b>  | <b>\$25,947,565</b>  |                   |                     |                      |                     |
|                              |  |             |  | <b>Grand Total</b>  | <b>\$105,526,103</b> | <b>\$105,526,103</b> |                   |                     |                      |                     |
| <b>Unplanned Commitments</b> |  |             |  |                     |                      |                      |                   |                     |                      |                     |
| 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           |                      |                     |
|                              |  |             |  | <b>Grand Total</b>  | <b>\$105,526,103</b> | <b>\$109,588,655</b> | <b>YTD Total</b>  | <b>\$21,933,488</b> | <b>Remaining</b>     | <b>\$85,066,823</b> |
|                              |  |             |  |                     |                      |                      |                   | <b>Grand Total</b>  | <b>\$107,000,311</b> |                     |

MTA Bridges and Tunnels: Status of 2015 Major Commitments as of May 31, 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<br>Task | Task Description                               | Original<br>Goal Start<br>Date | Goal Start<br>Date  | Goal Value          | Budget Value        | Actual Start<br>Date | Actual Value        | Forecast<br>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 MPLz | 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         |                        |                |
|          |   |                |  |                                | <b>Feb-16 Total</b> | <b>\$19,846,992</b> | <b>\$20,162,848</b> |                      |                     |                        |                |
| 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            |                        |                |
|          |   |                |  |                                | <b>Mar-16 Total</b> | <b>\$120,000</b>    | <b>\$120,000</b>    |                      |                     |                        |                |
| 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        |                        |                |
|          |   |                |  |                                | <b>Dec-16 Total</b> | <b>\$26,318,636</b> | <b>\$26,318,636</b> |                      |                     |                        |                |
|          |   |                |  |                                | <b>Grand Total</b>  | <b>\$46,285,628</b> | <b>\$46,601,484</b> | <b>YTD Total</b>     | <b>\$42,982,780</b> |                        |                |
|          |   |                |  |                                |                     |                     |                     |                      |                     | <b>Remaining:</b>      | <b>\$0</b>     |

MTA BRIDGES & TUNNELS  
CAPITAL PROGRAM  
2015 PROJECT COMPLETIONS

| Project ID<br>(ACEP) | Project Description                      | Type          | Original Goal<br>End Date | Goal<br>End Date | Goal Value  | Budgeted Value | Actual<br>End Date | Actual Value | Forecast End<br>Date | Forecast<br>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    |                    |              |                      | \$0               |

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



# Bridges and Tunnels

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## Procurements July 2016



# Staff Summary

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

|                                |            |
|--------------------------------|------------|
| <b>Date</b>                    | 07/08/2016 |
| <b>Vendor Name</b>             |            |
| <b>Contract Number</b>         |            |
| <b>Contract Manager Name</b>   |            |
| <b>Table of Contents Ref #</b> |            |

| Board Action |                   |            |          |      |       |
|--------------|-------------------|------------|----------|------|-------|
| Order        | To                | Date       | Approval | Info | Other |
| 1            | President         | 07/08/2016 |          |      |       |
| 2            | MTA B&T Committee | 07/25/2016 |          |      |       |
| 3            | MTA Board         | 07/27/2016 |          |      |       |
|              |                   |            |          |      |       |

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

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

## PURPOSE:

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

## DISCUSSION:

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

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

| <u>Schedules Requiring Two-Thirds Vote:</u>                                |   | <u># of Actions</u> | <u>\$ Amount</u> |
|--|---|---------------------|------------------|
| Schedule B:  | Request to Use RFP for Procurement of Purchase & Public Works in lieu of Sealed Bid | 1                   | To be determined |
| <u>Schedules Requiring Majority Vote</u>                                   |   | <u># of Actions</u> | <u>\$ Amount</u> |
| Schedule F :   | Personal Service Contracts  | 3                   | \$ 20.12 M       |
| SUBTOTAL   |   | 3                   | \$ 20.12 M       |
| MTA B&T presents the following procurement actions for Ratification: None. |   |                     |                  |
| TOTAL  |   | 4                   | \$ 20.12 M       |

## 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.)

**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**  
**JULY 2016**

**MTA BRIDGES & TUNNELS**

**Procurements Requiring Two-Thirds Vote:**

**B: Request to Use RFP for Procurement of Purchase & Public Works in lieu of Sealed Bid**  
(Staff Summaries only required for items estimated to be greater than \$1 million)

- |  |                              |                                      |
|--|------------------------------|--------------------------------------|
| 1. <b>Contractors to be Determined</b> | <b>Cost to be Determined</b> | <b><u>Staff Summary Attached</u></b> |
|--|------------------------------|--------------------------------------|

**Contract Nos. Various**

B&T is seeking Board approval under the All Agency General Contract Procurement Guidelines to authorize the Authority to enter into a competitive Request for Proposal (RFP) process for Design/Build Services in lieu of sealed competitive bids for various projects in the approved 2015-2019 Capital Program, as well as using alternate delivery methods for implementation of open road tolling projects at Authority facilities.

**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. <b>HNTB/WSP</b>               | <b>\$ 11,735,921.00</b> | <b><u>Staff Summary Attached</u></b> |
| <b>Parsons Brinckerhoff, A</b>   |                         |                                      |
| <b>Joint Venture</b>             |                         |                                      |
| <b>Contract No.: PSC-15-2984</b> |                         |                                      |

5 yr. contract - Competitive RFP - 4 Proposals

B&T is seeking Board approval under the All Agency Service Contract Procurement Guidelines to award a personal service contract for Design and Construction Support Services for Project No. VN-84, Reconstruction and Rehabilitation of the Upper Level Approach Decks at the Verrazano-Narrows Bridge (VNB) to the Joint Venture of HNTB and WSP | Parsons Brinckerhoff (HNTB/WSP | PB).

- |                                   |                        |                                      |
|-----------------------------------|------------------------|--------------------------------------|
| 2 <b>Thornton Tomasetti, Inc.</b> | <b>\$ 5,386,148.56</b> | <b><u>Staff Summary Attached</u></b> |
|-----------------------------------|------------------------|--------------------------------------|

**Contract No.: PSC-15-2977**

2 yrs & 3 months. contract - Competitive RFP - 5 Proposals

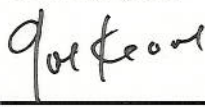




B&T is seeking Board approval under the All Agency Service Contract Procurement Guidelines to award a personal service contract for the design and construction support services for Project TN-53, Rehabilitation and Seismic Retrofit of the Approach Viaducts and Rehabilitation of the Lower Garage at the Throgs Neck

Bridge (TNB).

B&T is seeking Board approval in accordance with the All-Agency Service Contract Procurement Guidelines to award two personal service contracts to provide miscellaneous design services for Intelligent Transportation Systems (ITS) projects on an as-needed basis.

# Staff Summary

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|  |  |              |  |             |              |
|--|--|--------------|--|-------------|--------------|
| <b>Item Number 1 (Final)</b>   |  |              |  |             |              |
| <b>Dept &amp; Dept Head Name:</b> Joe Keane, P.E.<br> |  |              |  |             |              |
| <b>Division &amp; Division Head Name:</b><br>Various<br>Engineering and Construction   |  |              |  |             |              |
| <b>Board Reviews</b>   |  |              |  |             |              |
| <b>Order</b>   | <b>To</b>  | <b>Date</b>  | <b>Approval</b>  | <b>Info</b> | <b>Other</b> |
| 1  | President  | 7/8/16       |  |             |              |
| 2  | MTA B&T Committee  | 7/25/16      |  |             |              |
| 3  | Board  | 7/27/16      |  |             |              |
| <b>Internal Approvals</b>  |  |              |  |             |              |
| <b>Order</b>   | <b>Approval</b>  | <b>Order</b> | <b>Approval</b>  |             |              |
| 1  | Chief Financial Officer     | 4            | Chief of Staff   |             |              |
| 2  | General Counsel             | 5            | Executive Vice President   |             |              |
| 3  | Chief Procurement Officer  | 6            | President  |             |              |

|  |                                   |
|--|-----------------------------------|
| <b>SUMMARY INFORMATION</b>   |                                   |
| <b>Vendor Name</b><br>N/A  | <b>Contract Number</b><br>Various |
| <b>Description:</b><br>Competitive RFP process for various projects  |                                   |
| <b>Total Amount</b><br>TBD   |                                   |
| <b>Contract Term (including Options, if any)</b><br>Various  |                                   |
| <b>Option(s) included in Total Amount?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |                                   |
| <b>Renewal?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                                   |
| <b>Procurement Type</b><br><input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Non-competitive  |                                   |
| <b>Solicitation Type</b><br><input checked="" type="checkbox"/> RFP <input type="checkbox"/> Bid <input type="checkbox"/> Other:   |                                   |
| <b>Funding Source</b><br><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 authorize the Authority to enter into a competitive Request for Proposal (RFP) process in lieu of sealed competitive bids for various Design/Build and for Open Road Tolling projects under the 2015-2019 Capital Program.

### II. DISCUSSION

On October 28, 2015, a revised MTA B&T Capital Program for 2015-2019 was approved by the Board. B&T's revised 2015-2019 Capital Program reflects anticipated efficiencies attributable to more streamlined design and construction of certain types of capital projects, through use of alternative project delivery and procurement methods. B&T is pursuing an aggressive Design-Build program consisting of seventeen (17) projects in the 2015-2019 Capital Program, which anticipates efficient and faster delivery of these projects, while achieving best value benefits. In November 2015 the Board approved B&T entering into a competitive RFP process to award Design/Build contracts for four of the seventeen Design-Build projects. An additional thirteen (13) B&T projects are targeted for design-build implementation which are planned to be initiated in the 2016-2019 period.

B&T also intends to leverage anticipated efficiencies produced by alternate project delivery methods as it begins to implement open road tolling systems across all facilities.

Therefore, in accordance with the All-Agency Procurement Guidelines, B&T requests that the Board approve a resolution authorizing B&T to enter into a competitive RFP process to award Design/Build contracts for the following capital projects:

# Staff Summary

|                   |  |
|-------------------|--|
| D704RK07          | (RK-07) - Electrical and Mechanical Upgrades on the Harlem River Lift Span (HRLS) at the Robert F. Kennedy Bridge (RFKB) - Design and construction for mechanical and electrical upgrades on the HRLS, and associated work.  |
| D701VN34          | (VN-34) - Main Cable and Suspender Rope Testing at the Verrazano-Narrows Bridge (VNB) -- Design and construction for main cable unwrapping and suspender rope removal and replacement at the VNB. Work includes wedging, wire sampling, compaction and re-wrapping of selected main cable panels, and removal and replacement of selected suspender ropes, as well as testing of cable wires and suspender ropes, and associated work. |
| D701VN89/D704VN30 | (VN-89/VN-30) - Repairs to Tower Piers, Relocation of New York City Fire Department (FDNY) Mooring Platform and Rehabilitation of the Elevators at the VNB: Design and construction of repairs to the tower pedestals including resetting the granite cladding, relocation of the FDNY mooring platform, and rehabilitation of the tower elevators, and associated work.   |
| D704HC30/D704QM91 | (HC-30/QM-91) - Installation of Smoke Detection/Alarm Systems at the Queens Midtown Tunnel (QMT) and the Hugh L. Carey Tunnel (HLCT) -- Design and Construction of Smoke Detection/Alarm Systems for the ventilation buildings and service buildings at the QMT and the HLCT.  |
| D704HC64          | (HC-64) - Electrical Rehabilitation at the HLCT -- Design and Construction of electrical upgrades at the Brooklyn Service Building at the HLCT including rehabilitation and upgrades to substation equipment, electrical feeders, and associated work.   |
| D701BW07/D704BW32 | (BW-07/32) - Installation of Tower Fender Protection and Fire Standpipe Connections at the Towers at the Bronx-Whitestone Bridge (BWB) - Design and construction of new marine fender protection around the BWB tower piers as well as a fire standpipe from the BWB tower pedestals to the roadway level to meet the latest FDNY requirements.  |
| D704RK66          | (RK-66) - Relocation of 13 KV Substations and other Utility Work at the RFKB -- Design and construction for the relocation of the 13KV electrical substation and Robert Moses Building substation and boilers, replacement of the Manhattan Plaza substation, and upgrades to the Bronx Meter Room at the RFKB.  |
| D704HC07          | (HC-07) - Rehabilitation of Ventilation Systems at the HLCT - Design and construction for the rehabilitation of the HLCT ventilation system including, replacement of ventilation fan motors, fire hardening of ventilation components, and installation of fire protection systems.   |
| D701CB18          | (CB-18) - Scour Protection and Fender Upgrade/Replacement at the Cross Bay Bridge (CBB) and Marine Parkway Bridge (MPB) - Design and construction of fenders at the MPB and the CBB including replacement of fender system ladders, platforms and railings, as well as scour protection at the CBB.  |
| D704QM81          | (QM-81) - Rehabilitation of Tunnel Controls and Communication Systems at the QMT -- Design and construction for the reconfiguration of the QMT central control room including replacement of obsolete equipment/systems, and installation of satellite control rooms for both the QMT and the HLCT in accordance with current fire safety standards.   |
| D704HH19          | (HH-19) - Replacement of the Dyckman Street and Kappock Street Substations at the Henry Hudson Bridge (HHB) - Design and construction for the replacement of two electrical substations at the HHB, to meet current codes and provide redundant power service for the operations at the HHB.   |
| D705AW66          | (AW-66) - Design and Construction of a Bridge & Tunnels Operations Central Command and Control Center (BTOCCC) at the RFKB -- The BTOCCC will provide incident response, information sharing, and monitoring during normal and major events and will function as a Command, Control and Communication Center with direct monitoring and control capabilities at each of B&T's facilities.  |
| D702RK23          | (RK-23) - New Harlem River Drive Ramp at the RFKB - Design and Construction of a new direct connector ramp from the RFKB to the North-bound Harlem River Drive.  |

# Staff Summary

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D703AW65/D703AW63

Construction and installation of Open Road Tolling gantries and associated structures, electrical, communication and power equipment, subsequent demolition of the existing tolling systems infrastructure, including but not limited to tollbooths, toll canopies, toll islands and legacy tolling system infrastructure at B&T facilities which include the Henry Hudson Bridge, Cross Bay Bridge, Marine Parkway Bridge, Robert F. Kennedy Bridge-Manhattan, Bronx Whitestone Bridge, Verrazano Narrows Bridge and Throgs Neck Bridge.

B&T plans to commence the procurement process for these projects with funding provided by the 2015–2019 Capital Program. B&T shall select the contractor(s) with the proposal offering the best value to B&T including proposed technical approach, technical ability, performance record, proposed schedule, cost and other relevant factors. B&T recommends using alternate delivery methods for these projects because it will advance the projects more expeditiously, help minimize disruption to customers and provide B&T with the best value for its investment.

In accordance with MTA policy, unsuccessful proposers for design-build projects will be eligible to receive a stipend.

## **III. D/M/WBE INFORMATION**

MTA DDCR will be consulted in order to establish MBE/WBE goals for these contracts.

## **IV. IMPACT ON FUNDING**

Funding is available in the 2015–2019 Capital Program under Projects D704RK07 (\$15,602,475), D701VN34 (\$43,130,298), D704VN30/D701VN89 (\$9,794,092/\$21,763,164), D704HC30/D704QM91 (\$10,577,411/\$7,049,714), D704HC64 (\$7,329,049), D701BW07/D704BW32 (\$20,700,000/\$7,283,816), D704RK66 (\$19,200,000), D704HC07 (\$85,475,761), D701CB18 (\$48,912,294), D704QM81 (\$42,196,192), D704HH19 (\$15,291,206), D705AW66 (\$25,508,446), D702RK23 (\$141,279,210), D703AW65 (\$67,450,071) and D703AW63 (\$21,263,266)..

## **V. ALTERNATIVES**

There are no recommended alternatives.

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| Item Number 1 (Final)   |  |          |  |      |       |
|---|--|----------|--|------|-------|
| Dept & Dept Head Name: Joe Keane, VP and Chief Engineer<br><i>Joe Keane</i> |  |          |  |      |       |
| Division & Division Head Name: Aris Stathopoulos, DCE, Project Mgt.         |  |          |  |      |       |
| Board Reviews   |  |          |  |      |       |
| Order   | To   | Date     | Approval                                       | Info | Other |
| 1   | President  | 07/08/16 |  |      |       |
| 2   | MTA B&T Committee                                  | 07/25/16 |  |      |       |
| 3   | MTA Board  | 07/27/16 |  |      |       |
| Internal Approvals  |  |          |  |      |       |
| Order   | Approval   | Order    | Approval                                       |      |       |
| 1   | Chief Financial Officer<br><i>[Signature]</i>      | 4        | Executive Vice President<br><i>[Signature]</i> |      |       |
| 2   | Sr. V.P. and General Counsel<br><i>mmt</i>         | 5        | President<br><i>DS</i>                         |      |       |
| 3   | V.P. and Chief Proc. Officer<br><i>[Signature]</i> |          |  |      |       |

|  |   |
|--|---|
| SUMMARY INFORMATION  |   |
| Vendor Name<br>HNTB/WSP   Parsons Brinckerhoff, A Joint Venture  | Contract Number<br>PSC-15-2984                                      |
| Description: Design and Construction Support Services for Project No. VN-84, Reconstruction and Rehabilitation of the Upper Level Approach Decks at the Verrazano-Narrows Bridge |   |
| Total Amount<br>\$11,735,921.00  |   |
| Contract Term (including Options, if any)<br>Five (5) 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<br><input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Non-competitive   |   |
| Solicitation Type<br><input checked="" type="checkbox"/> RFP <input type="checkbox"/> Bid <input type="checkbox"/> Other:  |   |
| Funding Source<br><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 for Design and Construction Support Services for Project No. VN-84, Reconstruction and Rehabilitation of the Upper Level Approach Decks at the Verrazano-Narrows Bridge (VNB) to the Joint Venture of HNTB and WSP | Parsons Brinckerhoff (HNTB/WSP | PB), located at 350 Fifth Avenue, 57th Floor, New York, NY 10510, in the amount of \$11,735,921.00 for a duration of five (5) years. At a future date, the cost of construction support services (for Phase A) will be negotiated and presented to the Board for approval.

### II. DISCUSSION

B&T requires the services of a qualified consulting engineering firm to design the reconstruction of the Brooklyn and Staten Island upper-level approach decks of the Verrazano-Narrows Bridge (Phase A) and to prepare preliminary designs for: (i) the upper-level eastbound Brooklyn approach (Phase B); and (ii) the replacement and widening of the Belt Parkway ramps (Phase C). The scope of work includes, but is not limited to structural rehabilitation, deck replacement, utility relocation and rehabilitation, drainage, fire standpipe and lane signal usage systems replacement.

The service requirements were publicly advertised; seven (7) firms submitted qualification information. Based on a review of their qualifications, the following four (4) firms were selected to receive the RFP: Hardesty & Hanover LLC; HNTB/WSP | PB; Parsons Transportation Group of New York, Inc.; and Thornton Tomasetti Weidlinger Transportation (formally Weidlinger Associates, Inc). All four (4) firms submitted proposals. The proposals were evaluated against established criteria set forth in the RFP, including an understanding of the technical requirements, proposed personnel, oral presentations and cost. The consensus recommendation of the Selection Committee was that B&T should enter into negotiations with HNTB/WSP | PB. The recommendation stressed that compared to the other firms, HNTB/WSP | PB's proposal represented the best value to the Authority. The JV's proposal demonstrated

## Staff Summary

a superior level of effort and understanding of the RFP requirements. It also provided specific additional concepts to facilitate and improve construction project staging. The Selection Committee reviewed the levels of effort reflected in HNTB/WSP|PB's cost proposal, and confirmed that their cost proposal represented the most realistic approach and best value to B&T.

The Engineer's estimate is \$16,220,000. HNTB/WSP|PB submitted a cost proposal in the amount of \$11,735,921 (approximately 27.6% under the Engineer's estimate). The variance between HNTB/WSP|PB's proposal and the estimate can be attributed to: (i) the estimate's use of higher hourly rates vs. HNTB/WSP|PB's use of a high percentage of engineers at lower rates; and (ii) lower proposed hours than estimated, which was determined to be due to their previous experience and extensive knowledge of the VNB facility. HNTB/WSP|PB is considered a responsible consultant. Based on comparison to the estimate, HNTB/WSP|PB's proposal is considered fair and reasonable.

### 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. HNTB, WSP and PB have achieved their M/WBE goals on previous MTA contracts.

### IV. IMPACT ON FUNDING

Funding is available in the 2015–2019 Capital Program under Project D702VN84.

### V. ALTERNATIVES

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

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|  |  |         |                              |      |       |
|--|--|---------|------------------------------|------|-------|
| Item Number 2 (Final)  |  |         |                              |      |       |
| Dept & Dept Head Name: Engineering & Construction Department, Joe Keane, P.E. <i>Joe Keane</i>                         |  |         |                              |      |       |
| Division & Division Head Name: Engineering & Construction Department, Aris Stathopoulos, P.E. <i>Aris Stathopoulos</i> |  |         |                              |      |       |
| Board Reviews  |  |         |                              |      |       |
| Order  | To   | Date    | Approval                     | Info | Other |
| 1  | President                                    | 7/8/16  |                              |      |       |
| 2  | MTA B&T Committee                            | 7/25/16 |                              |      |       |
| 3  | MTA Board                                    | 7/27/16 |                              |      |       |
| 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   |
| Thornton Tomasetti, Inc.   | PSC-15-2977   |
| Description: Design and Construction Support Services for Project TN-53, Rehabilitation and Seismic Retrofit of the Approach Viaducts and Rehabilitation of the Lower Garage at the Throgs Neck Bridge |   |
| Total Amount<br>\$5,386,148.56   |   |
| Contract Term (including Options, if any)<br>Two (2) years, Three (3) 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<br><input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Non-competitive   |   |
| Solicitation Type<br><input checked="" type="checkbox"/> RFP <input type="checkbox"/> Bid <input type="checkbox"/> Other:  |   |
| Funding Source<br><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 for the design and construction support services for Project TN-53, Rehabilitation and Seismic Retrofit of the Approach Viaducts and Rehabilitation of the Lower Garage at the Throgs Neck Bridge (TNB) to Thornton Tomasetti, Inc. (TTI), formerly Weidinger Associates, Inc., in the negotiated amount of \$5,386,148.56 for a duration of two (2) years, three (3) months. (This amount is for design services only; at a future date, the cost of construction support services for Project TN-53 will be negotiated and presented to the Board for approval).

### II. DISCUSSION

B&T requires the services of an engineering consultant firm to perform complete design and phased construction support services for Project TN-53. Tasks include: (i) investigation and design brief; (ii) design services (40%, 70% and 100% submittals); (iii) development of complete construction specifications and drawings and (iv) phased construction support services. The anticipated scope of services includes but is not limited to: various structural repairs or replacements of stringers, subfloor beams, lateral bracing, median barrier and drainage systems; substructure repairs to pier columns and caps; seismic retrofit and bearing replacement and environmental assessment to determine the presence of asbestos and lead containing materials.

The service requirements were publicly advertised. Eight (8) firms submitted qualification information for review and

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## Staff Summary

evaluation by the selection committee and five (5) firms were chosen to receive the Request For Proposal (RFP). The firms are: Hardesty & Hanover/Buckland & Taylor, HNTB New York Engineering and Architecture, P.C., Parsons Transportation Group of New York, TTI and WSP/Parsons Brinckerhoff. The proposals were evaluated against established criteria set forth in the RFP, including technical work proposed, depth of understanding of the project, qualifications of the firm for specific personnel proposed, record of diversity practices and performance and cost. After technical evaluations, the selection committee invited the three (3) highest rated firms for oral presentations: HNTB New York Engineering and Architecture, P.C., TTI and WSP/Parsons Brinckerhoff. Accordingly, based on evaluations and available information the selection committee recommended that negotiations be conducted with TTI.

The recommendation stressed TTI's thorough understanding of the relevant structural and architectural rehabilitation/repair needs which include: sub-floor beams; seismic vulnerabilities; concrete and pier rehabilitation; drainage system modifications and the lower garage rehabilitation. TTI proposed detailed technical solutions for the electrical scope as well. In addition, TTI proposed a project team with significant structural rehabilitation design experience on projects for B&T and specifically at the TNB. The Selection Committee confirmed that TTI's cost proposal represented the best overall approach and best value to the Authority.

TTI submitted a cost proposal in the amount of \$5,386,148.56. The Engineer's estimate is \$7,364,703. The 26.9% variance to the estimate can be attributed to: the estimate overstating various expenses/subconsultants (environmental, constructability, value engineering, and escalation) and savings in efficiencies based on TTI's direct experience at the TNB. TTI's level of effort in terms of hours is within 10.5% of the estimate.

Negotiations resulted in the B&T accepting TTI's proposal in the amount totaling \$5,386,148.56, which is 26.9% below the estimate and is considered fair and reasonable. TTI 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 Contract. TTI has not completed any MTA contracts, therefore no assessment of the firm's MWBE performance can be determined at this time.

### IV. IMPACT ON FUNDING

Funding is available in the 2015-2019 Capital Program under Project D701TN53.

### V. ALTERNATIVES

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

# Staff Summary

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|  |   |          |  |      |       |
|--|---|----------|--|------|-------|
| Item Number 3 (Final)  |   |          |  |      |       |
| Dept & Dept Head Name:<br>Director Toll Operations, Joe Gugliero             |   |          |  |      |       |
| Division & Division Head Name:<br>VP and Chief of Operations, Patrick Parisi |   |          |  |      |       |
| <b>Board Reviews</b>   |   |          |  |      |       |
| Order  | To  | Date     | Approval                                       | Info | Other |
| 1  | President                                       | 07/08/16 |  |      |       |
| 2  | MTA B&T Committee                               | 07/25/16 |  |      |       |
| 3  | MTA Board                                       | 07/27/16 |  |      |       |
| <b>Internal Approvals</b>  |   |          |  |      |       |
| Order  | Approval  | Order    | Approval                                       |      |       |
| 1  | Chief Financial Officer<br><i>[Signature]</i>   | 4        | Executive Vice President<br><i>[Signature]</i> |      |       |
| 2  | General Counsel<br><i>[Signature]</i>           | 5        | President<br><i>[Signature]</i>                |      |       |
| 3  | Chief Procurement Officer<br><i>[Signature]</i> |          |  |      |       |

|   |   |
|---|---|
| <b>SUMMARY INFORMATION</b>  |   |
| Vendor Name<br>1) JHK Engineering, P.C.<br>2) Henningson, Durham and Richardson Architecture and Engineering, P.C.  | Contract Number<br>PSC-15-2980A<br>PSC-15-2980B |
| Description Miscellaneous ITS Design Consultant on an As-Needed Basis   |   |
| Total Amount<br>\$3,000,000   |   |
| Contract Term (Including Options, if any)<br>Four (4) 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<br><input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Non-competitive  |   |
| Solicitation Type<br><input checked="" type="checkbox"/> RFP <input type="checkbox"/> Bid <input type="checkbox"/> Other:   |   |
| Funding Source<br><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 in accordance with the All-Agency Guidelines for Procurement of Services to award two personal service contracts, PSC-15-2980A and PSC-15-2980B solicited on a competitive basis to (A) JHK Engineering, P.C., located at 253 West 35th Street, New York, NY 10001 and (B) Henningson, Durham and Richardson Architecture and Engineering, P.C. located at 500 Seventh Ave., New York, NY 10018 to provide miscellaneous design services for Intelligent Transportation Systems (ITS) projects on an as-needed basis in the aggregate not to exceed amount of \$3,000,000 over a period of four (4) years.

### II. DISCUSSION

The Authority requires the services of two multi-disciplined firms to provide miscellaneous ITS services on an as-needed basis. ITS systems provide innovative services for different modes of transportation and enables the public to make informed, safer and coordinated decisions when using transportation networks. These contracts will be for an indefinite quantity, with the required services being assigned on an as-needed basis by issuing work orders to each firm. Two contracts are being recommended for award to enable the Operations Department to assign work orders to each firm based on their current workload and available personnel. The RFP was publicly advertised in February 2016 and the solicitation notice was sent to seven hundred and three (703) firms. Twenty three (23) firms requested a copy of the

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## Staff Summary

solicitation and proposals were received by six (6) firms: JHK Engineering, P.C. (JHK); Henningson, Durham and Richardson Architecture and Engineering, P.C. (HDR); M&J Engineering, P.C. (M&J); WSP/Parsons Brinckerhoff, Inc. (WSP/PB), Jacobs Civil Consulting, Inc. (JCCI) and Maestro Technologies, Inc. (MTI).

The Consultants, in their base proposals were asked to quote labor, overhead, profit and escalation rates based on predetermined titles. After evaluation of the technical and cost proposals, the Committee recommended that the Authority waive oral presentations and enter into negotiations with JHK and HDR for these contracts. The firms were selected based on (i) their understanding of the scope, (ii) extensive technical experience, (iii) software development teams and (iv) favorable cost proposals. Their understanding of the work and software experience were key factors in the committee's recommendation.

The total amount for each task will be negotiated separately using the labor, overhead and profit rates that have been negotiated in each contract. Approval is requested to award two contracts to provide miscellaneous design services for ITS projects on an as-needed basis on the aggregate not to exceed amount of \$3,000,000 over a period of four (4) years.

### **III. D/M/WBE INFORMATION**

The MTA Department of Diversity and Civil Rights has assigned a 30% MWBE goal on this contract. JHK Engineering, P.C. and Henningson, Durham and Richardson Architecture and Engineering, P.C. (HDR) have achieved their MWDBE goals on previously completed MTA contracts.

### **IV. IMPACT ON FUNDING**

Funding is available in the 2015-2019 Capital Program under various agency-wide (AW) projects (WAR Certificates will be requested on a Work Order basis).

### **V. ALTERNATIVES**

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