



**Metropolitan Transportation Authority**

# **Capital Program Oversight Committee Meeting**

## **November 2010**

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### **Committee Members**

J. Walder, Chair

J. Blair

A. Cappelli

D. Frasca

M. Page

M. Pally

N. Seabrook

J. Sedore, Jr.

V. Tessitore

C. Wortendyke



## **MEETING AGENDA**

### **MTA CPOC COMMITTEE**

**November 15, 2010 – 1:30 pm**

347 Madison Avenue  
Fifth Floor Board Room  
New York, NY

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#### **AGENDA ITEMS**

#### **Page**

#### **PUBLIC COMMENTS PERIOD**

- |  |                     |
|--|---------------------|
| 1. APPROVAL OF MINUTES – OCTOBER 25  | TAB 1<br>1 - 1      |
| 2. COMMITTEE WORK PLAN   | 1 - 3               |
| 3. CAPITAL PROGRAM STATUS REPORT   | TAB 2               |
| 4. OTHER PROGRAM PRIORITIES  |                     |
| 5. LONG ISLAND RAIL ROAD: NEW JAMAICA CONTROL CENTER   |                     |
| 6. BRIDGES AND TUNNELS: ALL ELECTRONIC TOLLING   |                     |
| 7. BRIDGES AND TUNNELS<br>Performance Indicator Report (Traffic Light Report)<br>Agency Red-Light Project Report | TAB 3<br>3-1<br>3-2 |
| 8. MTA-WIDE CONSTRUCTION COMMISSIONING   |                     |

**MINUTES OF MEETING**  
**MTA CAPITAL PROGRAM OVERSIGHT COMMITTEE**  
October 25, 2010  
New York, New York  
1:00 PM

MTA CPOC members present

Hon. Jay Walder, Chairman  
Hon. Andrew Albert  
Hon. Doreen Frasca  
Hon. Mark Page  
Hon. Allen Cappelli  
Hon. Mitchell Pally  
Hon. James Sedore

MTA CPOC members not present

Hon. Norman Seabrook  
Hon. Vincent Tessitore  
Hon. Carl Wortendyke

MTA Board member present

Hon. Robert Bickford  
Hon. Susan Metzger

MTA staff present

Linda Kleinbaum  
Ronald Saporita  
Michael J. Garner

NYCT staff present

Fred Smith  
Seymour Portes  
Branko Kleva  
John O'Grady

MTACC staff present

Michael Horodniceanu  
William Goldstein  
William Goodrich  
Alan Paskoff  
Durg Uday

McKissack + Delcan staff present

Michael Kaleda  
Jim Castle  
Kent Haggas  
Kurt Egger

\* \* \*

Chairman Walder called the October 25, 2010 meeting of the Capital Program Oversight Committee to order at 1:10 PM.

Public Comments Period

There were no public speakers.

Meeting Minutes

Upon motion duly made and seconded, the CPOC members approved the minutes of the previous meeting held on September 27, 2010.

Committee Work Plan

Ms. Kleinbaum's proposal of the new direction to the CPOC workplan was approved by the Board. It was noted that this was a first attempt at reviewing the new workplan and will evolve to meet the standards of the Committee.

### Capital Program Status Report

Ms. Kleinbaum reported MTA agencies planned 41 major commitments, of which 31 (76%) were achieved on or close to goal and with respect to 34 planned completions, 26 (76%) were achieved on or close to goal. Commissioner Frasca noted there were slight differences in the mega project information provided to the NYCT Committee and what was shown to CPOC. Ms. Kleinbaum responded that there should be no differences and that the information will be made consistent.

### Annual Review of CPOC Charter

Ms. Kleinbaum reported that the CPOC charter was enhanced to include the new direction in evaluating projects from a management-effectiveness approach. In addition, Ms. Kleinbaum highlighted the new MTA Capital Program Milestones report as an efficient means tracking deliverables in the 2010-2014 Capital Program and as a companion to the Dashboard.

### Quarterly Update on MWDBE Participation

Mr. Garner provided an update of the efforts made to increase MWDBE participation. While the Federally funded DBE goal is 17%, the State MBE goal is 10%, and the WBE goal is 5%, efforts are underway to include M&WBE participation in Federally funded work and DBE's in State funded work to increase MWDBE participation rates.

### New York City Transit Update on Stations Investment Strategy

Mr. Portes briefed the committee on the implementation of the Stations Program. The new approach taken by NYCT in meeting objectives includes cost effectiveness, efficiency, and flexibility whereby stations will go through a process of condition survey leading to either station rehabilitations, the renewals program or the component replacement program.

### McKissack + Delcan Analysis of MTA Station Component Costs

Mr. Castle's comparative analysis of station component costs identified that there are opportunities for cost savings by applying component costs across the NYCT, LIRR and MNR and identifying opportunities for efficiencies in the areas that are universal, such as lighting, platform shelter sheds and escalators. Currently, each agency has independently determined design-related aspects of its station program. It was recommended to move to a common "best practice" approach and establish an MTA-wide "stations standards committee" to consider common design standards for life cycle savings and procurement efficiencies.

### MTA Capital Construction Company

Mr. Horodniceanu updated the committee on its quarterly progress report. FSTC overall project on schedule for June 2014, at current budget of \$1.4B, progress on the Transit Center final third party contract has been awarded and above ground construction began for new entrance. SAS overall project is on schedule to meet the December 2016 date with mitigation strategies being implemented and progress on the tunnel boring machine advancing. In the 90-day look ahead, it is expected that a complete final design will be accomplished, as well as systems advertising/RFP. ESA schedule date remains September 2016 with a progress of both soft ground tunnel boring machines delivery, continued work at Madison Yard, 44<sup>th</sup> & 50<sup>th</sup> Street vent plants, as well as award of escalator/elevator for LIRR.

### Executive Session

Upon motion duly made and seconded, Chairman Walder adjourned the public CPOC meeting at 2:25 PM. to go into Executive Session.

### Adjournment

Upon motion duly made and seconded, Chairman Walder adjourned the Executive Session, reconvened the public session and then immediately adjourned the October 25, 2010 meeting of the Capital Program Oversight Committee.

Respectfully submitted,

Luz Liddie  
Secretary



## 2010-2011 CPOC Committee Work Plan

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I. Recurring Agenda Items

Approval of the Minutes  
Committee Work Plan  
Commitments/Completions and Funding Report  
Follow-up Items as needed

II. Specific Agenda Items

November 2010

*Risk-Based Monitoring*

- Traffic light report for B&T projects
  - Agency red light project reports on issues/mitigations

*Strategic Reviews*

- B&T Program Update on AET
- LIRR JCC – Using technology to do more with less
- Program Management Review: Commissioning

*Program Priorities*

- Project Labor Agreements

December 2010

*Risk-Based Monitoring*

- NYC Transit Report on Signals and Communications
  - PA/CIS; ATM-B; Flushing CBTC
- NYC Transit Report on Bus Depots
- Traffic light report for signal/comms and buses
  - Agency red light project reports on issues/mitigations

*Strategic Reviews*

- Update on efforts to bring train arrival info to the B Division and Bus CIS
- Lessons learned for bringing new technology into aged infrastructure
- CBTC Strategy Review Plan

January 2011

*Risk-Based Monitoring*

- Quarterly MTA Capital Construction Report on Mega Projects
  - Risk Assessments of 72 and 63 St. Caverns
- NYC Transit Report on Subway Cars: Flushing
- Full Quarterly Traffic Light Report with monthly follow-ups as needed
  - Agency red light project reports on issues/mitigations

*Strategic Reviews*

- Car Procurement Program—design issues to be incorporated into R-179's and M-9 specification development

*Program Priorities*

- Quarterly update on Minority, Women and Disadvantaged Business Participation
- ACE Annual Review

February 2011

Annual Commitment/Completion and Funding Report

*Risk-Based Monitoring*

- Red light project follow-up reports (if needed)

*Strategic Reviews*

- Track Benchmarking
- Energy Reduction Initiatives
- Program Management Review: Update on best value review and operating budget savings

March 2011

*Risk-Based Monitoring*

- Red light project follow-up reports (if needed)

*Strategic Reviews*

- Update on NYCT Stations Program
- Analytic Reviews of the Bus and Paratransit Program
  - Four bus pilot program
  - New Paratransit Vehicle
  - SBS Service on 1<sup>st</sup> and 2<sup>nd</sup> Avenue
- Program Management Review: Force Account Management

April 2011

*Risk-Based Monitoring*

- Quarterly MTA Capital Construction Report on Mega Projects
  - ESA Risk Assessment for Plaza structure
- NYC Transit Risk Assessment on Greenwich Vent Plant
- Quarterly Traffic Light Report and Red Light Follow up as needed

*Strategic Review*

- Maximizing Use of Shops and Yards
  - RCM/LCM Standardization

*Program Priorities*

- Quarterly update on Minority, Women and Disadvantaged Business Participation

May 2011

*Risk-Based Monitoring*

- B&T Risk Assessment on Bronx Whitestone Bridge Queens Approach
- LIRR/MNR Risk Assessment on PTC
- Red light project follow-up reports (if needed)

*Strategic Review*

- Update on new Fare Payment System
- Program Management Review: In-house vs. Third Party Engineering

## June 2011

### *Risk-Based Monitoring*

- MTA Police Radio Alternatives Analysis
- NYC Transit Report on Signals/Comms
  - PA/CIS; SONET; Flushing CBTC
- NYC Transit Report on Mother Clara Hale Depot
- Red light project follow-up reports (if needed)

### *Strategic Review*

- CBTC Strategy
- Operational benefits of significant B&T 10-14 Program

## July 2011

### *Risk-Based Monitoring*

- Quarterly MTA Capital Construction Report on Mega Projects
  - Risk Assessments on 86 St Cavern
- NYCT Report on Subway Car Procurement
- Quarterly Traffic Light Report and Red Light Follow up as needed

### *Strategic Reviews*

- Interplay between ESA Operating Plan & Capital Investments

### *Program Priorities*

- Quarterly update on Minority, Women and Disadvantaged Business Participation
- Update on Mentor Program

## September 2011

### *Risk-Based Monitoring*

- LIRR Risk Assessment on Jamaica Capacity Improvements
- LIRR/MNR Report on M-9 Procurement

### *Strategic Reviews*

- Update on NYCT Stations Program
  - Agency report on progress of new strategy
- Benefits of CBTC on Canarsie Line: Full Implementation
- Update on Track

## October 2011

### *Risk-Based Monitoring*

- Quarterly Traffic Light Report and Red Light Follow up as needed

### *Strategic Reviews*

### *Program Priorities*

- Quarterly update on Minority, Women and Disadvantaged Business Participation



Metropolitan Transportation Authority

**MTA Capital Program  
Status Report**

**through**

**October 31, 2010**

**November CPOC Monthly Report**

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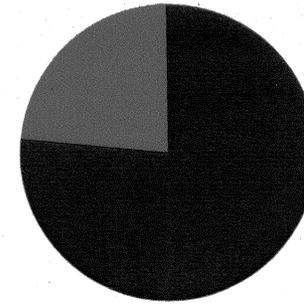
### Capital Projects – Major Commitments – October 2010

Through the end of October, MTA agencies planned a total of 50 major commitments, of which 38 (76%) were achieved on or close to goal. Since last month, 7 additional projects were committed timely. Two delays include NYCT's VHF project and a project to upgrade depot security for MTA Bus which has slipped to 2011. A full discussion of these and delays in other major commitments can be found on the following page.

For the full year 2010, 77 major commitments are planned. Of these, 55 (71%) remain on target. This is a decrease from the 79% year-end results forecast in September. The variance is mostly explained by MNR and MTA Bus slips to next year.

To date, the agencies have committed \$3.14 billion, and forecast committing a total of \$5.45 billion in 2010, or 80% of the 2010 annual goal for all commitments. This reflects, in part, a \$53 million savings for Mother Clara Hale Bus Depot.

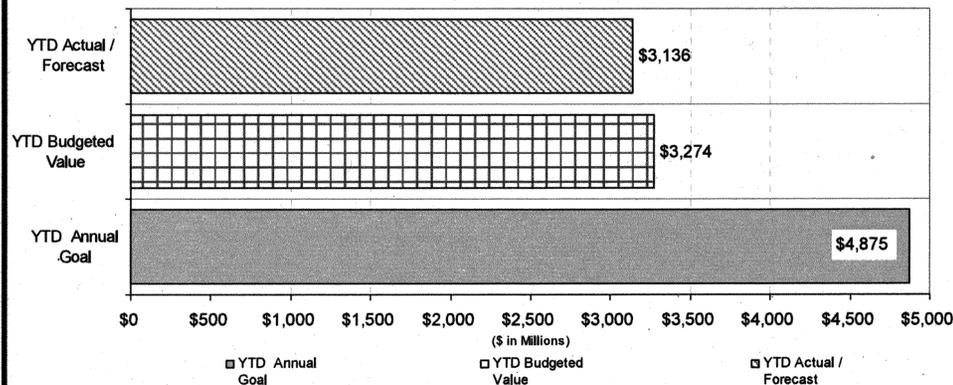
### Year-to-Date Major Commitments



	Year-to-Date Change
Green = Commitments made within 2 months of Goal	38 76% ↑ 7
Red = Commitments delayed beyond 2 months of Goal	12 24% ↑ 2
<b>Total</b>	<b>50 100%</b>

### Budget Analysis

2010 Annual Goal	\$6,822	
2010 Annual Forecast	80%	of Annual Goal
YTD Goal	71%	
YTD Actual	46%	64% of YTD Goal
Left to Complete	34%	(\$2,317)



### Year-to-Date Agency Breakdown

	Prior month variance	
	RED	GREEN
<b>New York City Transit</b>		
11	+1 RED	+2 GREEN
<b>Long Island Rail Road</b>		
5	---	---
<b>Metro-North Railroad</b>		
4 4	---	+1 GREEN
<b>Bridges and Tunnels</b>		
4	---	+1 GREEN
<b>Capital Construction Company</b>		
8 3	---	+3 GREEN
<b>MTA Bus Company</b>		
4 4	+1 RED	---
<b>MTA Police Department</b>		
2	---	---

**Capital Projects – Major Commitments – October 2010 – Schedule Variances**

Project	Commitment	Goal	Forecast
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**12 Red Commitments (2 new this month)**

**New York City Transit**

*Signals & Communications*

<b>VHF Radio System Upgrade (New Item)</b>	Construction Award	Sep-10 \$295.5M	Dec-10 \$295.5M
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Negotiations with 3 selected teams completed in May. Best and Final Offers received in September. Delay due to significant adverse information for lowbidder and a protest by another bidder.

**Metro-North Railroad**

*Outlying Stations*

<b>Bronx Stations/Capacity Improvements</b>	Construction Award	Oct-09 \$9.4M	Nov-10 \$9.4M
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Proposals for the design of CP 09 interlocking on the Harlem Line in the Bronx were originally received in Nov 2009. MNR rejected the proposals and re-issued the design package in April 2010. A consultant has been selected; award is anticipated for Nov 2010 (a recent, additional one month slip).

*Track*

<b>Drainage and Undercutting Program</b>	Construction Award	Oct-09 \$7.0M	Mar-10 (A) \$8.5M
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An extended NYCDEP permitting review period has caused delays. Budget increase (\$15M) due to addition of scope in 2009 for Middletown drainage and design for Sing Sing Creek Culvert in Ossining.

*Communications and Signals*

<b>Signal System Replacement (MNR Share)</b>	Construction Award	Oct-09 \$25.1M	Apr-10 (A) \$28.6M
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Procurement delays due to extended negotiations with lowest responsive bidders. Budget variance (\$3.5M) due to high bid results and increased estimates for construction management and flagging after the completion of design.

<b>PTC Rolling Stock Signals Onboard Design/Radio Spectrum</b>	Construction Award	Sep-10 \$5.3M	Dec-10 \$5.3M
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Delay due to a lack of radio spectrum in the NYC area, acquiring spectrum necessary for the PTC System is delayed. The FRA has reached out to the FCC in requesting support for the spectrum.

Project	Commitment	Goal	Forecast
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**Capital Construction Company**

*East Side Access*

<b>Vertical Circulation</b>	Design and Fabrication (part of VM014)	Jun-10 \$44.7M	Sep-10 (A) \$25.9M
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Commitment was moved to September to reflect additional time needed to conform the contract documents to reflect the negotiated technical and commercial requirements prior to execution and award. The forecast is less than goal due a favorable bid.

<b>GCT Manhattan Structures Part 2</b>	Construction Contract	Jul-10 \$60.0M	Dec-10 \$60.0M
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The schedule was changed as a result of the re-sequencing of the excavation south of the caverns and the removal of the spoils of the excavation. The delay in exercising the CM019 Option is not critical.

*Second Avenue Subway*

<b>72nd St. Cavern, Crossovers, and G3/G4 Mine/Line + Building Demo.</b>	Excavation and Construction	Jul-10 \$661.1M	Oct-10 (A) \$484.1M
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Cost estimate decreased as a result of transfer of tunneling scope to another contract. Award delayed by an extended bid review and qualification process.

**MTA Bus**

*Bus Company Projects*

<b>New Roof and Ventilation at Eastchester Maintenance Building</b>	Construction Award	Mar-10 \$3.1M	Jul-10 (A) \$3.6M
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Schedule variance due to a delay in design completion and to delay in technical authorization letter. Budget increase reflects actual bid results.

<b>45 Standard Low Floor CNG Buses</b>	Purchase Award	Apr-10 \$25.6M	Aug-10 (A) \$25.6M
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Longer than expected discussions and negotiations due to changes to specs and best and final offers.

<b>Electrical Upgrade Emergency Generators 4 Depots</b>	Construction Award	Sep-10 \$9.6M	May-11 \$9.1M
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Project originally to address 6 depots. 2 depots subsequently split out into separate projects. Schedule and estimate for remaining locations are adjusted accordingly. Additional recent delay due to design revisions that are being required by Con Edison.

<b>Depot Security Upgrade: College Point, Eastchester &amp; Yonkers (New Item)</b>	Construction Award	Oct-10 \$2.8M	May-11 \$2.8M
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An original delay was due to depots being split out into separate projects. An additional recent delay is due to the consultant not finishing revisions to documents necessary for public bid.

**Capital Projects – Major Commitments – October 2010 – Budget Only\* Variances**
*\*for variances of more than \$5 million or 10%*

Project	Commitment	Goal	Forecast
<b>17 Budget only variances (2 new this month)</b>			
<i>New York City Transit</i>			
<i>Passenger Stations</i>			
Dyckman St Station Rehab & Other Component: Broadway/7th Avenue	Construction Award	Jun-10 \$88.3M	Jun-10 (A) \$74.9M
Reflects the results of a favorable bid.			
Station Rehab. Smith/9th & 4th Ave Station Improvement	Construction Award	Sep-10 \$46.2M	Sep-10 (A) \$40.6M
Reflects the results of a favorable bid.			
<i>Subway Cars</i>			
Purchase 23 "A" Division Subway Cars & Convert 10 R42A Cars	Purchase Award	May-10 \$75.4M	May-10 (A) \$116.0M
Budget increase reflects high bid and added scope of CBTC conversion of R42A cars.			
<i>Signals &amp; Communications</i>			
CBTC Flushing	Construction Award	Jun-10 \$347.5M	Jun-10 (A) \$363.6M
Budget increase reflects actual bid results and scope addition of 7 West Extension's CBTC signals.			
Church Avenue Interlocking	Construction Award	Jun-10 \$235.7M	Jun-10 (A) \$191.4M
Reflects the results of a favorable bid.			
<i>Track</i>			
Track & Switch Program May to December 2010	Construction Award	Jul-10 \$210.8M	Jul-10 (A) \$220.2M
The cost increase is due to changed locations, higher shuttle bus and RTO diversion costs; unrealized "piggybacking" opportunities due to cancelled G.O.s; additional G.O.'s; and unforeseen asbestos abatement work and engineering issues related to site conditions.			
<i>Bus Depots</i>			
Reconstruct Clara Hale Depot (New Item)	Construction Award	Oct-10 \$298.2M	Nov-10 \$244.7M
Award initially delayed pending approval of conceptual design and legal review of specifications. Project awarded 11/2/2010. Cost decrease reflects favorable bid.			

Project	Commitment	Goal	Forecast
<i>Long Island Rail Road</i>			
<i>Power</i>			
Rockville Center Substation	Construction Award	Feb-10 \$6.3M	Feb-10 (A) \$5.4M
Reflects the results of a favorable bid.			
<i>Metro-North Railroad</i>			
<i>Track and Structures</i>			
Turnouts - Mainline/High Speed - (F.A.) & Materials	Construction Award	Sep-10 \$11.6M	Oct-10 (A) \$13.0M
The forecast budget increased due to accelerated scope from next year for the construction of crossovers near Croton-Harmon.			
<i>Bridges &amp; Tunnels</i>			
<i>Verrazano Narrows Bridge</i>			
Tower Painting - Below Roadway Level	Construction Award	Aug-10 \$23.7M	Aug-10 (A) \$19.9M
Reflects the results of a favorable bid.			
<i>Capital Construction Company</i>			
<i>Fulton Street Transit Center</i>			
R Station Underpass & Dey Street Concourse Finishes	Construction Award	Mar-10 \$34.0M	Mar-10 (A) \$25.0M
Reflects the results of a favorable bid.			
Transit Center Enclosure	Construction Contract	Jul-10 \$218.5M	Aug-10 (A) \$225.6M
Award delayed by an extended bid review and qualification process. Commitment value reflects the results of the actual bid.			
<i>7 West Extension</i>			
Site L (Right of Way - Vent Building)	Construction and Excavation	May-10 \$129.0M	Jul-10 (A) \$65.5M
Site L bid opening was delayed due to questions from prospective bidders. A competitive bidding process ended with a favorable bid.			

**Capital Projects – Major Commitments – October 2010 – Budget Only\* Variances**
*\*for variances of more than \$5 million or 10%*

Project	Commitment	Goal	Forecast
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**Capital Construction Company (continued)**
**Second Avenue Subway**

<b>63rd Street Station Upgrade (New Item)</b>	Construction Contract	Oct-10 \$152.5M	Dec-10 \$188.2M
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A December forecast is reflective of a bid opening delay (to answer questions from prospective bidders). Budget forecast variance is a result of scope changes leading to 100% design.

**MTA Bus**
**Bus Company Projects**

New Roof and Ventilation at Baisley Park	Construction Award	Feb-10 \$7.3M	Mar-10 (A) \$8.5M
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Budget variance reflects actual bid.

**MTA Police**
**MTA Police Projects**

Merrick Facility	Construction Award	Mar-10 \$0.6M	Apr-10 (A) \$1.3M
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Award delayed to allow for additional time to finalize contract with low bidder.

K-9 Facility Property	Property Acquisition	Mar-10 \$2.5M	Apr-10 (A) \$1.1M
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Award date slightly delayed due to the time required for the assessment and acquisition process.  
Budget variance (\$14M) due to change in site selection.

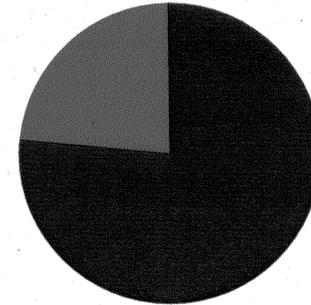
### Capital Projects – Major Completions – October 2010

Through the end of October, MTA agencies planned a total of 38 major completions. Since last month, 4 additional projects have been completed. Of these, 29 (76%) were achieved on or close to goal which is the same rate reported in September. There is one new year-to-date delay reported this month for a roofing and ventilation system project at MTA Bus. A full discussion of this and other delays for major project completions can be found on the following page.

For the full year 2010, 55 major completions are planned. Of these, 42 (76%) remain on target, which is the same year-end result as reported for September.

To date, the agencies have completed \$2.47 billion in capital projects and forecast a total of \$4.02 billion in 2010, or 97% of the 2010 goal for all completions.

### Year-to-Date Major Completions

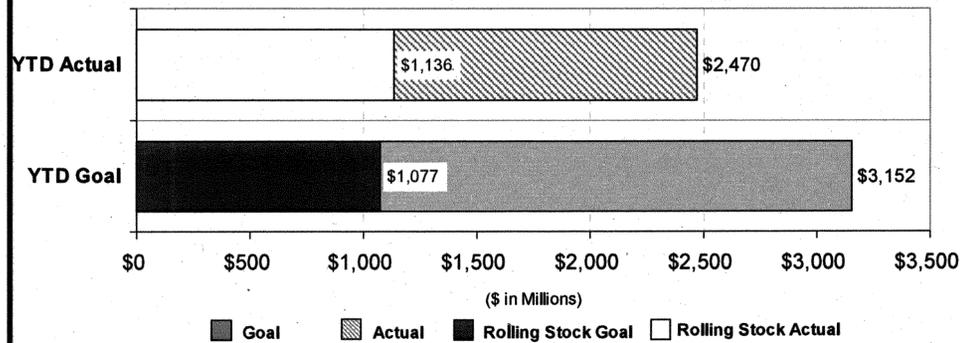


		Year-to-Date Change	
Green = Completions made within 2 months of Goal	29	76%	↑ 3
Red = Completions delayed beyond 2 months of Goal	9	24%	↑ 1
<b>Total</b>	<b>38</b>	<b>100%</b>	

2-6

### Budget Analysis

2010 Annual Goal	\$4,162	
2010 Annual Forecast	97%	of Annual Goal
YTD Goal	76%	
YTD Actual	59%	78% of YTD Goal
Left to Complete	37%	(\$1,551)



### Year-to-Date Agency Breakdown

	Prior month variance	
	RED	GREEN
<b>New York City Transit</b>		
8	3	+1 GREEN
<b>Long Island Rail Road</b>		
7	2	---
<b>Metro-North Railroad</b>		
6	1	+1 GREEN
<b>Bridges and Tunnels</b>		
4		+1 GREEN
<b>Capital Construction Company</b>		
2	2	---
<b>MTA Bus Company</b>		
11		+1 RED
<b>MTA Police Department</b>		
1		---

## Capital Projects – Major Completions – October 2010 – Schedule Variances

Project	Completion	Goal	Forecast
<b>9 Red Completions (1 new this month)</b>			
<b>New York City Transit</b>			
<i>Stations</i>			
Columbus Circle Stations Project	Construction	May-10 \$110.8M	Dec-10 \$114.8M
Delay is due to the contractor's unsatisfactory workmanship on the Broadway Island entrance stairs and to addition of scope items. Budget increase is mainly due to additional scope in the Broadway Island and Trump Plaza areas.			
<i>Line Equipment</i>			
Rehab 2 Vent Plants: 53rd Street/6th Ave & Park Ave/East 53rd	Construction	Jul-10 \$73.1M	Nov-10 \$72.1M
The delay is due to excessive vibration during the acceptance testing at the Park Avenue Fan Plant. In August the Forecast was February 2011. The forecast has been moved up 3 months.			
<i>Depots</i>			
Charleston Annex Depot	Construction	Jun-10 \$133.1M	Nov-10 \$144.5M
Additional time needed due to contractor problems with commissioning. Project cost increased due to additional work orders and an extension to the construction management contract.			
<b>Long Island Rail Road</b>			
<i>Power</i>			
Replace 3 Substations	Construction	Mar-10 \$37.0M	Sep-10 (A) \$36.2M
Schedule delays due to weather restrictions, LIPA work rescheduling and additional work on SCADA.			
<i>Rolling Stock</i>			
M-7 Horns	Purchase	Jun-10 \$6.8M	Nov-10 \$4.9M
Delay due to longer than anticipated manufacturing schedule. Cost of horns is lower-than-goal.			
<b>Metro-North Railroad</b>			
<i>Stations</i>			
Vital Processor System (GCT)	Construction	Jun-10 \$6.5M	Aug-11 \$6.5M
Unanticipated factory testing of touch screens has delayed shipment. Installation subsequently delayed due to track outage availability in GCT. Project extended 10 months due to the added scope (HVAC systems) on the Upper Level Central Instrument Locators.			

Project	Completion	Goal	Forecast
<b>Capital Construction Company</b>			
<i>East Side Access</i>			
GCT Madison Yard Site Prep	Construction	Aug-10 \$40.9M	Feb-11 \$41.9M
All work is on schedule with the exception of the MNR Commissary. No impact to the East Side Access project schedule.			
<i>South Ferry</i>			
Peter Minuit Plaza and Bollards	Construction	Aug-10 \$22.8M	Dec-10 \$22.8M
Delay due to technical coordination challenges in the fabrication and installation of pedestrian canopy finishes. A plan to completion is now being implemented and all other elements of work are substantially complete and open to the public.			
<b>MTA Bus</b>			
<i>Bus Company Projects</i>			
New Roof and Ventilation System at LaGuardia (New Item)	Construction	Oct-10 \$8.7M	Feb-11 \$8.7M
Federal Aviation Administration issues and work stop-order caused delays in completion.			

**Capital Projects – Major Completions – October 2010 – Budget\* Variances**
*\*for variances of more than \$5 million or 10%*

Project	Completion	Goal	Forecast
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**5 Budget only variances (0 new this month)**
***New York City Transit***
***Subway Cars***

Purchase 382 R160 "B" Division Cars	Purchase	May-10 \$842.3M	May-10 (A) \$887.9M
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The higher forecast reflects inclusion of Engineering Force Account and TA labor funds that were originally budgeted but were used to fund the contract award in 2008 within the total approved project budget. All cars are accepted and in their warranty period; NYCT will re-evaluate the estimated need.

***Long Island Rail Road***
***Shops and Yards***

Hillside Maintenance Facility Roof Rehabilitation	Construction	Feb-10 \$5.4M	Feb-10 (A) \$2.9M
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Scope reduction from 7 roofs to 5 roofs along with favorable economic conditions led to a lower than budgeted contract for the work.

Ronkonkoma Parking Lot	Construction	Feb-10 \$4.2M	Feb-10 (A) \$3.0M
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Lower actual completion cost due to a favorable construction bid.

***Capital Construction Company***
***East Side Access***

Metro-North Railroad Mods & Traction Power Relocation	Construction	Jun-10 \$14.8M	Jun-10 (A) \$16.6M
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Budget increased due to a scope transfer from contract CM04 and additional work. No impact to the East Side Access project schedule.

***MTA Police***
***MTA Police Projects***

K-9 Facility Land Acquisition	Property Acquisition	Mar-10 \$2.5M	May-10 (A) \$1.1M
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Award date slightly delayed due to the time required for the assessment and acquisition process. Budget variance due to change in site selection.

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## Status of MTA Capital Program Funding

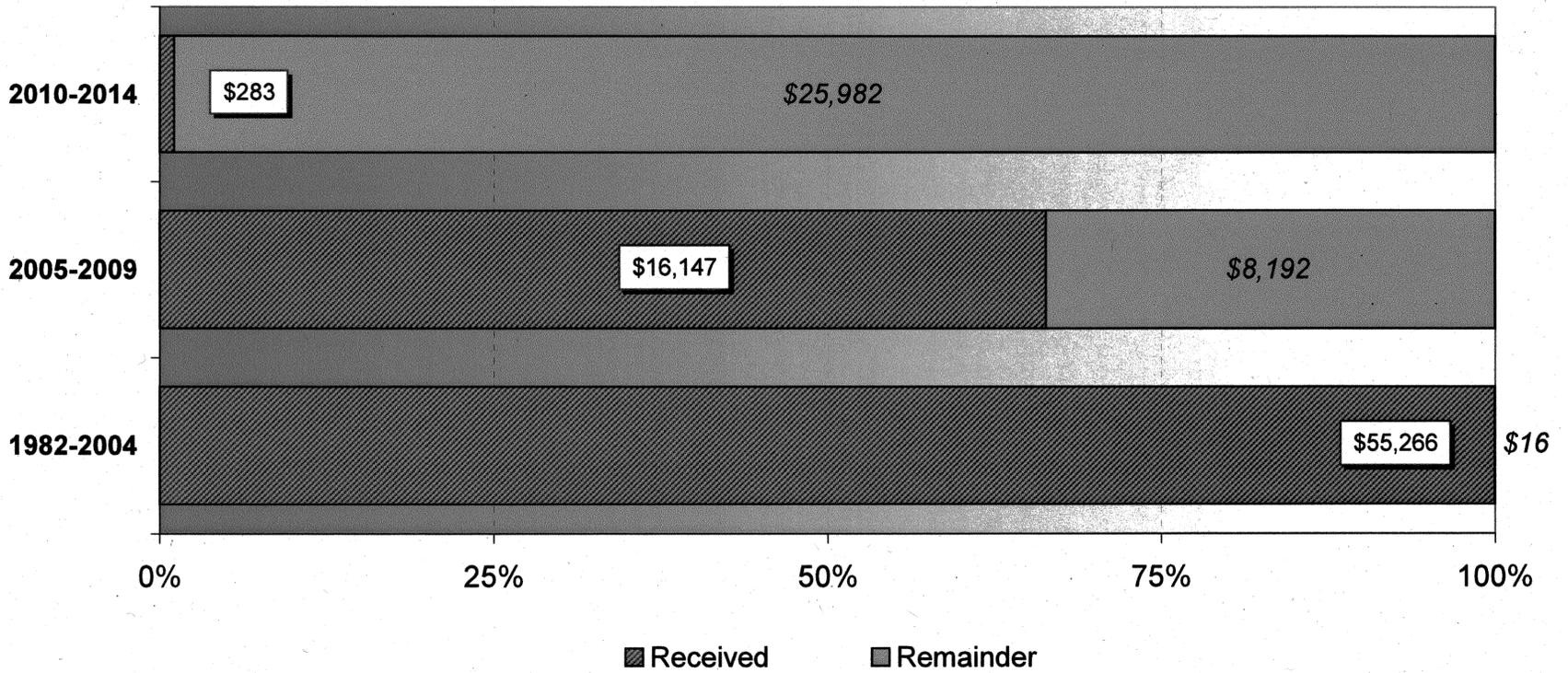
2-9

# Capital Funding (October 31, 2010)

\$ in millions

Capital Program

2-10



## Capital Funding Detail (October 31, 2010)

\$ in millions

	Funding Plan	Receipts		
	Current	Receipts thru September	This month	Received to date
<b>2005-2009 Program</b>				
Federal Formula and Flexible Funds	\$5,207	\$5,190	-	\$5,190
Federal New Start	3,286	1,483	-	1,483
Federal Security	342	222	-	222
Federal Other	7	7	-	7
Federal ARRA - Stimulus	654	654	-	654
City of New York	411	411	-	411
City #7 Line Extension Funds	2,100	959	28	986
MTA Bus Federal and City Match	135	77	30	107
Asset Sales and Program Income	1,062	371	-	371
State Transportation Bond Act	1,450	480	-	480
MTA Bonds	3,243	3,039	-	3,039
B&T Bonds	1,262	846	-	846
Bonds from New Sources	5,072	2,035	235	2,270
Other (Including Operating to Capital)	108	79	-	79
<b>Total</b>	<b>\$24,338</b>	<b>\$15,854</b>	<b>\$292</b>	<b>\$16,147</b>

	Funding Plan	Receipts		
	Current	Receipts thru September	This month	Received to date
<b>2010-2014 Program</b>				
Federal Formula and Flexible Funds	\$6,415	\$232	-	\$232
Federal Other	11	11	-	11
Federal Security	225	-	-	-
City Capital Funds	500	40	-	40
MTA Bus Federal and City Match	160	-	-	-
MTA Bonds (Payroll Mobility Tax)	6,000	-	-	-
B&T Bonds	2,453	-	-	-
Other (Including Operating to Capital)	589	-	-	-
<i>Future State and Local Funding</i>	<i>9,912</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>Total</b>	<b>\$26,265</b>	<b>\$283</b>	<b>\$0</b>	<b>\$283</b>

**Performance Indicator Report (Traffic Light Report)**

**Nov-10**

**MCKISSACK+DELCAN**  
MTA Independent Engineer

Agency - Project Title	Phase	EAC	% Complete	Contingency Index	▲ ▼	Cost Index	▲ ▼	Schedule Variance (Months)	▲ ▼	Traffic Light
<b>B&amp;T - Bridges &amp; Tunnels Program</b>										
Bronx-Whitestone Bridge - Design of Main Cable Replace., Seismic Retrofit and Pier Protection	Design	5.2	98	0.00	—	1.00	—	0	—	●
Bronx-Whitestone Bridge - Investigation and Monitoring of Suspension System	Design	2.6	92	1.07	—	0.59	—	0	—	●
Robert F. Kennedy Bridge - Deck Replacement on Bronx and Manhattan Plaza and Ramps	Design	24.9	95	0.92	—	1.01	—	0	—	●
Throgs Neck Bridge - Rehabilitation of the Orthotropic Deck	Design	2.7	90	0.93	—	0.41	—	0	—	●
Verrazano Narrows Bridge - Toll Plaza and Ramp Rehabilitation	Design	6.4	80	1.00	—	1.05	—	1	—	●
Verrazano-Narrows Bridge - Replacement of the Upper Level Suspended Span Roadway Deck	Design	17.5	99	0.88	—	1.00	—	0	—	●
Bronx-Whitestone Bridge - Elevated and On-Grade Approach Deck Replacement (Queens)	Procurement	291.9	25	NA	—	NA	—	0	—	●
Brooklyn Battery Tunnel - Electrical Switchgear Replacement and Supply Fan Rehabilitation	Procurement	63.5	75	NA	—	NA	—	3	▲	●
Cross Bay Bridge – Substructure and Underwater Rehabilitation Work	Procurement	30.6	90	NA	—	NA	—	-1	▼	●
Henry Hudson Bridge – Replacement of the Upper Level Sidewalk and Curb Stringers	Procurement	39.1	75	NA	—	NA	—	0	—	●
Bronx-Whitestone Bridge - Bronx Approach Replacement/Queens Approach Repairs	Construction	209.4	63	0.00	—	1.00	—	0	—	●
Deck and Structural Rehabilitation at the Cross Bay Bridge	Construction	68.6	99	0.53	—	0.99	—	0	—	●
Replace Lower Level Deck at the Henry Hudson Bridge	Construction	86.3	99	0.68	—	1.03	—	0	—	●
Throgs Neck Bridge - Repl. of Deck & Rehab. of Abutment and Retaining Walls, Queens Appr.	Construction	109.9	84	0.05	—	1.00	—	0	—	●

Cost Index = Agency EAC/Current Approved Budget  
 Schedule Variance = Number of months of delay since last Performance Indicator Report  
 Contingency Index = % Contingency used / % Project Complete

Notes: "Contingency used" includes expended and pending contingency  
 Contingency index tracking (▲ ▼) will not start until the project has reached 50% completion

▲ = Index increase (condition worsening)  
 ▼ = Index decrease (condition improving)

Only projects with total value of \$5M or more are reported.

**Projects in Construction:**

- No indices over 110% and no index movement greater than 10%
- Cost Index: An increase of 10% or more since last Performance Indicator Report
- Schedule: An increase of 3 months or more since last Performance Indicator Report

**Projects in Design:**

- No indices over 115% and no index movement greater than 15%
- Cost Index: An increase of 15% or more since last Performance Indicator Report
- Schedule: An increase of 3 months or more since last Performance Indicator Report



**Brooklyn Battery Tunnel – Electrical Switchgear Replacement BB-45)**

**Approved Plan: \$63.5M  
Original Award Date: October 2010  
Phase: Procurement (75% complete)**

**Project Description**

The purpose of the project is a rehabilitation to ensure that the electrical and ventilation systems continue to meet current standards and expectations relating to emergency operations and improved systems monitoring and control. The existing obsolete switchgear will be replaced to greatly enhance the flexibility and reliability of the tunnel’s electrical power system. Project design was completed in September 2009. However, some work on Governor’s Island was subsequently added so that additional design work was needed after that date. Construction award was planned in the 2010-2014 Capital Program as October 2010.

**Schedule/Cost Change**

**Schedule:** The original date for award of the construction contract was October 2010. The award has since slipped approximately three months and is now scheduled for January 2011. The slip is mainly attributable to an extended bidding period to address: (a) extensive bidder’s inquiries pertaining to the complexity of this electrical project; and (b) incorporating utility upgrade work on behalf of the Trust for Governors Island (TGI).

**Budget:** The approved baseline budget in the 2010-2014 Capital Program including construction is \$63.5M. Based on recent bids received, the EAC will be below the approved baseline budget.

**What is Being Done**

**Schedule:** The construction was advertised in August 2010 and bids were opened in November 2010. Award is scheduled for January 2011. However, the contract may be awarded by the end of the year.

**Budget:** The lowest bidders were below the engineer’s estimate. When incorporated, the EAC will decrease to below the approved budget.

**IEC Comment**

**Budget and Schedule Performance:**

The IEC substantially agrees with the material presented in this report, including the stated problems and actions taken by the agency.