



Metropolitan Transportation Authority

Capital Program Oversight Committee Meeting

July 2021

Committee Members

P. Foye, Chair
N. Zuckerman, Vice Chair
A. Albert
J. Barbas
N. Brown
M. Fleischer
R. Glucksman
R. Herman
D. Jones
K. Law
R. Linn
D. Mack
J. Samuelson
V. Tessitore

Capital Program Oversight Committee Meeting

2 Broadway, 20th Floor Board Room

New York, NY 10004

Monday, 7/19/2021

8:30 - 9:30 AM ET

1. PUBLIC COMMENTS PERIOD

2. APPROVAL OF MINUTES JUNE 23, 2021

CPOC Committee Minutes - Page 3

3. COMMITTEE WORK PLAN

2021 - 2022 CPOC Committee Work Plan - Page 4

4. C&D CAPITAL PROGRAM UPDATE

Progress Report on Stations Projects - Page 6

IEC Project Review on Accessibility Upgrade at Eight Stations - Page 9

IEC Project Review on ADA upgrade 149th Street & Tremont Ave. Grand Concourse - Page 13

5. CAPITAL PROGRAM STATUS

Commitments, Completions, and Funding Report - Page 19

MINUTES OF MEETING
MTA CAPITAL PROGRAM OVERSIGHT COMMITTEE

June 23, 2021

New York, New York

10:00 A.M.

Because of the ongoing COVID-19 public health crisis, the MTA Chairman convened a one-day, virtual Board and Committee meeting session on June 23, 2021, which included the following committees:

- Long Island Rail Road and Metro-North Railroad;
- New York City Transit;
- MTA Bridges and Tunnels;
- Finance;
- Capital Program Oversight.

To see a summary of the CPOC Committee meeting, please refer to the June 23, 2021 Board minutes in the July Board Book available here on the Board materials website:

<https://new.mta.info/transparency/board-and-committee-meetings/july-2021>



2021- 2022 CPOC Committee Work Plan

I. Recurring Agenda Items

Approval of the Minutes
Committee Work Plan
Commitments/Completions and Funding Report

II. Specific Agenda Items

September

Overall Capital Program

- LIRR and MNR

Quarterly Traffic Light Report

October

Overall Capital Program

- Infrastructure

November

Overall Capital Program

- Signals and Train Control

Minority, Women and Disadvantaged Business Participation
Small Business Development Program

December

Overall Capital Program

- Integrated Megaprojects

OMNY
Quarterly Traffic Light Report

January

Overall Capital Program

- Stations

February

Overall Capital Program

- B&T
- LIRR and MNR

March

Overall Capital Program

- Infrastructure

Quarterly Traffic Light Report

April

Overall Capital Program

- Signals and Train Control

Minority, Women and Disadvantaged Business Participation

Security Projects

May

Overall Capital Program

- Integrated Megaprojects

June

Overall Capital Program

Rolling Stock

OMNY

Quarterly Traffic Light Report

July

Overall Capital Program

- Stations

MTA Board & Capital Program Committee Update: Stations Projects

July 2021

MTA Construction & Development's last report to the Capital Oversight Program Committee on Station Projects was in March 2020, right at the onset of the COVID-19 pandemic. Despite severe constraints on MTA finances, C&D's Stations Business Unit successfully awarded eight contracts, including 20 projects, from March 2020 to June 2021. Now that the MTA's financial outlook is more clear, Stations is planning to commit to the award of another eight contracts in the second half of 2021, bringing the total for the year to \$1.3 B.

Since March 2020, the Stations Business Unit was also able to reach substantial completion on 18 contracts, consisting of 28 projects. In fact, the year 2020 was one of the most noteworthy years for the ADA program. Despite the pandemic, C&D delivered 11 new ADA station – the most significant number of ADA upgrades in MTA history. One reason for this success was the Acceleration program, which allowed us to take advantage of low ridership to accelerate station projects.

This document summarizes the progress on two of the Business Unit's most significant projects: Accessibility Upgrade at Eight Stations and ADA upgrade 149th St and Tremont Ave Grand Concourse. Both projects illustrate how C&D is improving project performance through project Bundling and Front-End Loading strategies, allowing us to deliver projects better, faster, and cheaper.

Accessibility Upgrade at Eight Stations

This project bundle will provide ADA accessibility, including elevators and other improvements, at eight stations in all five New York City Boroughs. The project covers work at New Dorp (SIR), Grand St (L), Beach 67 St (A), 7 Av (F, G), Dyckman St NB only (1), E 149 St (6), Lorimer St (L), and Metropolitan Av (G) stations. This project was funded despite the pause on new capital project awards by repurposing federal CMAQ funding to this ADA initiative.

A37141

A37148

A37151

PROJECT STATUS	Original	Forecast
Substantial Completion	July 2023	July 2023
Budget	\$347 M	\$347 M

A37158

A37159

A37160

The project is approximately 15% complete.

A37161

A37162

A37163

A37164

A37165

A80287

This design-build project will provide elevators to all levels of the stations, including platforms, mezzanines and street, where required. Other ADA amenities include reconstruction of the platform edge, installation of platform edge warning strips, modification of entry/exit gates, agent booths, new lighting, and signage. In addition, the project will include State of Good Repair work at New Dorp and Metropolitan Av stations.

Bundling work on 18 elevators across eight stations into one contract generates cost and schedule savings. Design and detail drawings can be replicated across elevators for example. With a more substantial materials procurement, the Design Builder is also able to get more favorable pricing and priority treatment from fabricators.

The project is approximately 15% complete and remains on schedule and within budget. Current activities include:

- Design phase is 60% complete; planning to complete design on the first four stations by September.
- The team is now revising plans to minimize traffic disruptions on adjacent streets.
- Utility drawings and Commercial Agreements with several utility agencies are being finalized.
- Pre-construction efforts are underway, including soil boring and site investigations to minimize unforeseen conditions once construction begins.
- Barricade Approval Plans have been submitted for Metropolitan, Lorimer, Grand, and 7 Av stations to facilitate pedestrian flow within the station.
- Contractor is developing a construction schedule for C&D approval.

C&D is proactively mitigating potential risks to keep the project on track. Mitigation strategies include:

- Seeking a waiver from National Grid’s six-month embargo on construction that affects their infrastructure. The embargo is scheduled to begin in September 2021.
- Expediting design reviews and proactively managing the scheduling of long-lead items
- Coordinating with utility agencies to address potential delays due to the complexity of utility infrastructure beneath street level
- Working with the Parks Department and adjacent property owners to consent to site access
- Rescheduling work to ensure claims will not affect the project schedule

**ADA upgrade
149 St-Grand
Concourse and
Tremont Av**

The project will provide ADA accessibility to two underground subway stations in the Bronx: 149 St-Grand Concourse (2, 4, 5) and Tremont Av (B, D). The project will also accommodate free ADA transfers between subway lines at 149 St-Grand Concourse Station.

A37131	PROJECT STATUS	Original	Forecast
A37134	Substantial Completion	July 2023	July 2023
	Budget	\$170 M	\$170 M
The project is approximately 11% complete.			

This project is a design-build contract with a scope of work that includes the installation of six new elevators, new stairs, elevator machine rooms, and ADA boarding areas. In addition, this project includes the restoration and re-opening of the historic headhouse at 149 St Station, including decorative terracotta, brick and iron features.

At Tremont Av, the water main line has been relocated. The art wall to be relocated was sent to the museum for safekeeping. In addition, two new staircases have been

opened, and two pre-existing stairs closed to make room for two new elevator shafts. We're also excavating a shaft for a third elevator.

At 149 St-Grand Concourse Station, the project team is building a temporary Electrical Distribution Room in the station's head house to provide continued electrical service while working on the new one. Cranes are being used to remove existing HVAC units from the headhouse. In addition, the project team has shut down the middle track for four months to allow for easier equipment maneuvering and ensure customer safety while excavating the elevator shaft within the perimeter. Temporary concrete for steel beam support, in the elevator shaft, has been constructed. While there is a lot of activity going on in the area, the team has placed temporary barricades to ensure customer safety.

This project is expected to stay on schedule and on budget.

Factors affecting the delivery of station projects

The Stations Business Unit is facing several challenges related to the delivery of its Capital Program.

- Staff attrition – an MTA-wide issue – continues to affect the Stations Business Unit, especially as the volume of work grows post-COVID. C&D has obtained permission to hire, and Stations will be bringing new team members on board in the coming weeks as well as addressing some of our pending internal promotions.
- Several station projects are now Design-Build. To make sure that project teams are taking full advantage of that contracting structure, the C&D Delivery Department is running workshops and providing a range of other learning opportunities on that topic.
- The market for contractors, design consultants, and PMCs with the ability to accommodate the MTA's large bundles is somewhat restricted at this point. There's no question that this economic cycle is a good time to be awarding projects, but potential market saturation on the horizon may affect our performance on future projects.

**July 2021
Independent Engineering Consultant
Project Review**

Accessibility Upgrade at Eight Stations



MTA Independent Engineering Consultant

Accessibility Upgrade at Eight Stations

Scope

The **Accessibility Upgrade at Eight Stations** project scope includes design-build ADA improvements (elevators, stairs, boarding areas, space reconfiguration for elevator rooms & power upgrades) at eight NYCT stations and; selected state of good repair improvements (platform slab & girder replacements, comms, lighting etc.) at two stations plus a separate 15-year elevator maintenance agreement.

Judlau Contracting Inc. in association with STV Inc. as designer and Modern Elevator as elevator manufacturer/maintainer was selected as Design Builder and given NTP on December 31, 2020.



MCKISSACK

MTA Independent Engineering Consultant

Accessibility Upgrade at Eight Stations

Schedule Review

The design-build contract calls for Substantial Completion of the last station by July 18, 2023, a period of 30.3 months from NTP. Design has progressed on schedule, but construction has not commenced as planned due to time consumed in negotiating commercial agreements with regional utilities and in agreeing changes to the designs at four stations with the Design Builder.

The Project Team is managing the challenges of this 3 month slip in planned construction and the initial construction schedule, now under project review, should recover the contracted Substantial Completion date. The IEC will assess specific risks to Substantial Completion once the initial construction schedule is available.

Budget Review

The project budget is \$347M and the current reported project EAC is \$347M. At this time, the IEC believes that the project reserve is sufficient to cover the remaining risk as well as the current potential cost actions.

Risks

The following top risks were identified in a March 2021 workshop. Initial risk mitigations are underway and their impact will be reviewed at the project risk management meeting next month.

- ▣ Unforeseen utilities may delay design and/or construction
- ▣ Ambiguity of the scope of work resulting in additional scope and cost to complete
- ▣ Inadequate agency staff to support project in accord with Design-Build schedule
- ▣ Systems integration and testing issues with NYCT systems

Accessibility Upgrade at Eight Stations

Observations

- As a lesson learned, MTA C&D should consider establishing and maintaining program level force account agreements with the regional utilities to avoid time consuming development of new commercial agreements during individual design-build construction projects.
- The Program Management Consultant (Hill International, in association with Mott MacDonald) is being proactive in managing the project:
 - Developed a User Guide to MTA's construction document management software (ASITE) to support timely and effective comment from NYCT User Groups
 - Outlined potential solution to the gas line embargo that has forestalled a dispute arbitration
 - Flowcharted new C&D processes for change management and dispute arbitration to aid understanding of all parties



McKISSACK

MTA Independent Engineering Consultant

July 2021

**Independent Engineering Consultant Stations
Program Review**

**Summary of the Stations Program
First Quarter 2021 Traffic Light Report
and
The ADA Upgrade 149th Street and Tremont
Ave Grand Concourse Project**



MCKISSACK

MTA Independent Engineering Consultant

Summary of the Stations Program

- In the June 2021 Traffic Light Report (TLR), the IEC reviewed 41 stations projects*, 18 ADA and 23 non-ADA, for Cost and Schedule Performance.
 - 29 station projects were Green
 - 9 station projects were Previously Red, triggering variances in prior quarters
 - 3 station projects were Red
- The 3 Red projects this quarter had schedule slips ranging from 3 to 5 months. Schedule has historically been the overwhelming variance trigger in the TLR.
- The 3 projects were negatively impacted by the limited availability of in-house support staff, poor contractor performance, added scope and cancelled track outages. All these are historically common root causes of variances in the TLR. C&D is focused on improving coordination and communication between in-house operations and management to minimize project disruptions and delays.
- The stations program has performed well in the TLR this quarter.
- In addition, 2 ADA Stations are part of the 149th Street/Tremont Ave Station Accessibility Improvement project and are independently monitored by the IEC. The following pages provide more details on the project.

Projects may also be identified as project tasks



MTA Independent Engineering Consultant

ADA Upgrade 149th St and Tremont Ave Grand Concourse Project

Project Scope

The project provides full ADA accessibility at 2 underground Bronx Stations;

The 149th Street/Grand Concourse Station Complex serving the White Plains and Jerome Lines (Lines 2,4,5) and Tremont Ave Station serving the Grand Concourse Line (Lines B,D).

- A total of 6 new elevators will be installed and a free accessible station transfer between the White Plains line and Jerome line at 149th Street provided.
- The project also includes the renovation of the historic 149th Street headhouse, constructed in 1905 as the main entrance to Mott Ave Station. The structure was closed in 1975. The project will re-open the headhouse providing a new stair and elevator and restores the decorative terracotta, finish brick and the iron elevator enclosure grilles. The New York State Historic Preservation Office approved the headhouse renovation plans in March 2021.
- 100% design completion Tremont Ave was achieved in April 2021.
100% design completion for 149th St Station is forecast for July 2021.



MTA Independent Engineering Consultant

ADA Upgrade 149th St and Tremont Ave Grand Concourse Project

Schedule

The design-build contract was awarded August 4, 2020, to the Tully/STV JV team. The project is on schedule.

- There are 2 contractual Substantial Completion milestones;
 - Tremont Ave Station – August 4, 2022 (24 months after award)
 - 149th Street Station – July 4, 2023 (35 months after award)
- On June 18, 2021, the project started a 4-month (June-September) track shutdown of the Jerome Line (express track) at 149th Street Station for platform and elevator work. The project team was well prepared to start this outage.
- After analysis of schedule update No. 4, dated June 1, 2021, the IEC notes that efforts to recover lost time have occurred at the expense of reduced float values of remaining work. Slippages to interim milestones and completion dates have been recovered by compressing the durations for planned activities. The IEC believes there is risk that re-sequencing and reducing durations of scheduled work, may impact future construction activities and reduce the options available to the project team to mitigate delays.



McKISSACK

MTA Independent Engineering Consultant

ADA Upgrade 149th St and Tremont Ave Grand Concourse Project

Budget

The project is on budget. The total current budget is \$170.4M and the current EAC is \$169.0M. The forecast EAC is aligned with IEC analysis of the project budget, costs and expenditures.

- No change orders have been issued to date and there are no preliminary change orders being processed.
- Potential risks to the project budget up to this point have not been realized.
- The IEC believes sufficient contingency has been included in the project. To date, extra work requests from the contractor have been addressed by the project team.
- The project budget also includes \$2.8M in early completion incentives.

ADA Upgrade 149th St and Tremont Ave Grand Concourse Project

Project Risks

The risk workshop was conducted in September 2019 and the Risk Assessment report was completed January 2020. The workshop focused on 149th Street Station. The project was later bundled with Tremont Ave in early 2020, prior to advertising.

- Resolution of the real estate easement and construction license agreements with CUNY Hostos College was the highest risk identified during the risk assessment. MTA Legal secured approval of the agreements in August 2020, mitigating this major risk.

- Active medium level schedule risks:

- MTA priorities change during construction impacting in-house resources

- Poor contractor performance impacts productivity and does not provide sufficient capabilities and/or manpower.

- Unforeseen site conditions differ from design.

- Coordination with external stakeholders.

- Observations:

1. It is the opinion of the IEC that the project risks have been well managed to date. The Asite project management software tool has been well utilized, providing an online environment for the project team to share documents and provide timely request notifications of pending tasks.

2. With construction activities ramping up the IEC suggests undertaking a risk review update to incorporate Tremont Ave risks.



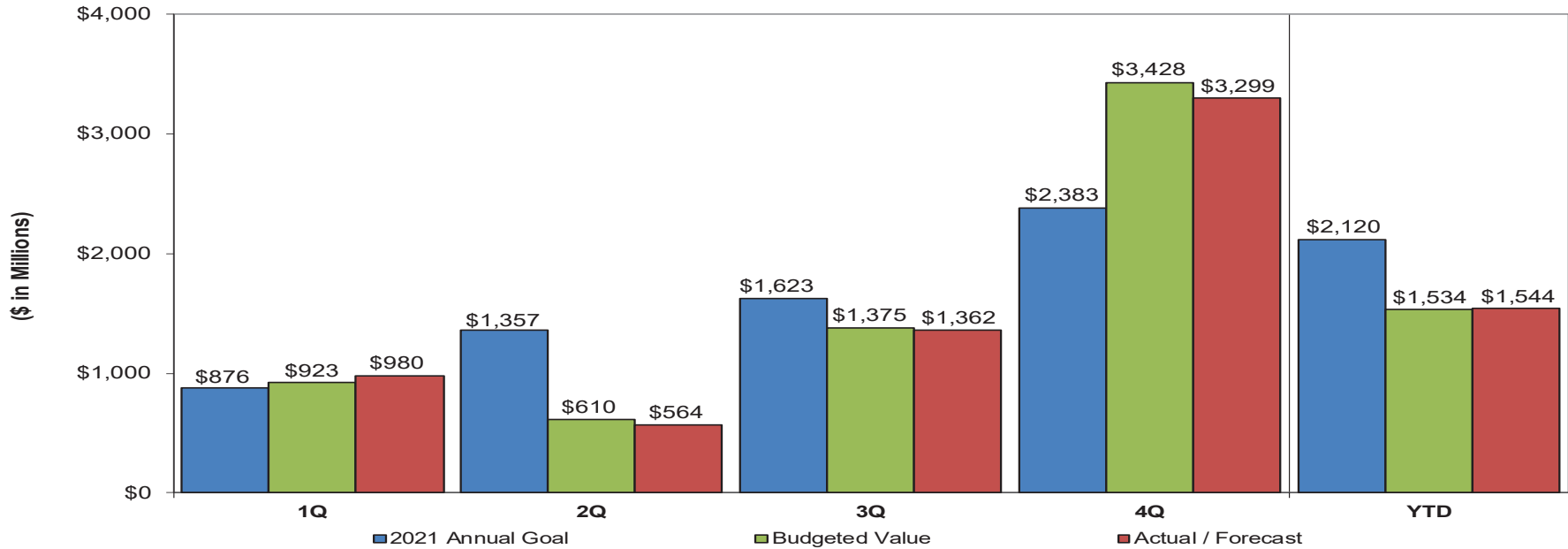
McKISACK
MTA Independent Engineering Consultant

MTA Capital Program Commitments & Completions

through
June 30, 2021

Capital Projects – Commitments – June 2021

MTA-wide 2021 Commitments



Annual Goals: Dollar and time-based programmatic milestones for the commitment of contracts established at the start of each year and which are achievable during the year.

Actuals: The value of the goals and any additional unplanned commitments as they are achieved during the year.

Forecasts: The updated estimates by quarter for remaining goals as well as any unplanned commitments that might occur during the year.

Budget: The budgeted value assumed in the capital program for the Actual and Forecasted Commitments being tracked during the year.

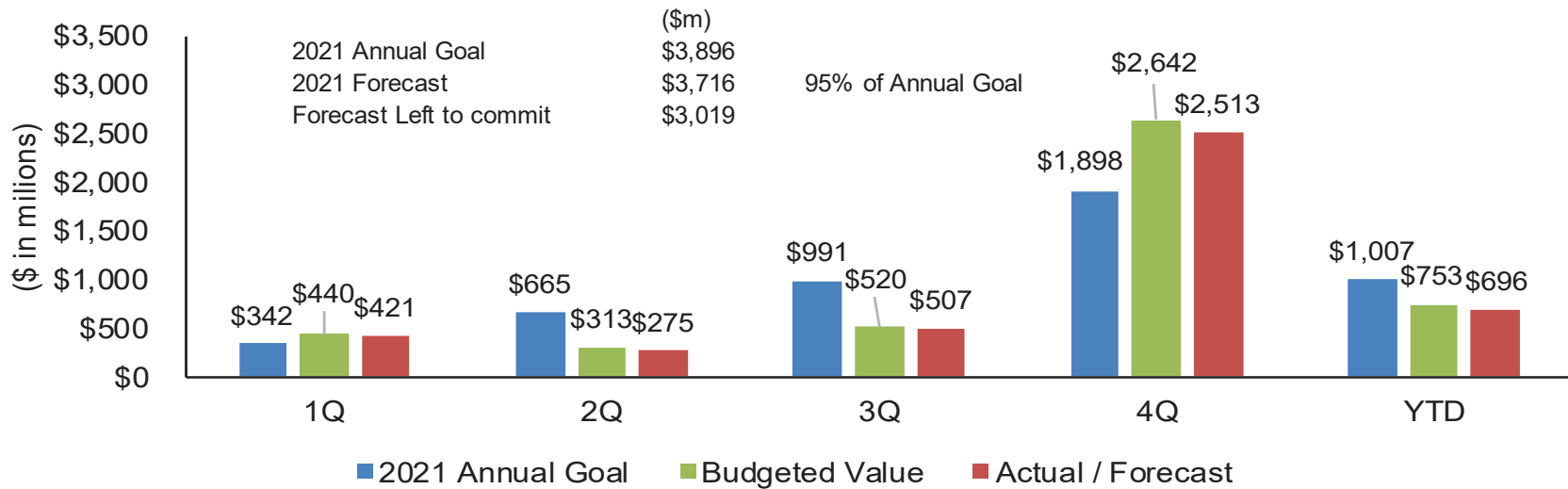
Commitments Summary

In 2021, agencies have a goal of \$6.2 billion in overall commitments, including \$3,839 million for NYCT, \$485 million for LIRR, \$777 million for MNR, \$57 million for MTA Bus, \$40 million for MTA Interagency, \$867 million for MTA Expansion, and \$173 million for B&T.

Through June, agencies have committed \$1.54 billion versus a \$2.12 billion goal including a total of ~\$449 million of unplanned commitments that partially offset slippages of ~\$967 million. The shortfall is mainly due to slips of 8 major commitments explained on the following pages. Currently, the MTA forecasts achieving \$6.2 billion during the year. At the end of each quarter in 2021, schedule variances will be explained on the following pages.

NYCT/MTA Bus Capital Projects – Commitments – June 2021 – Budget Analysis and Schedule Variances

NYCT and MTA Bus Budget Analysis



Q1 and Q2 Schedule Variances

Project	Commitment	Goal	Forecast	Project	Commitment	Goal	Forecast
3 NYCT/MTA Bus Amber Commitments (2 New Items)				3 NYCT/MTA Bus Red Commitments (3 New Items)			
<i>NYCT</i>				<i>NYCT</i>			
<i>Passenger Stations</i>				<i>Stations</i>			
Replace 8 Traction Elevators / Various	Construction Award	Q1	Q2(A)	Connection-Oriented Ethernet (COE) at 265 Stations, Ph 3B-2 (New Item)	Construction Award	Q2	Q4
		\$66.0	\$51.9			\$43.5	\$26.4
Award was delayed due to multiple bid opening postponements. Bids received in March. Project cost decreased reflecting favorable bids received.				Project award rescheduled to reflect expected FTA funding availability. Project cost reflects latest estimate.			
Replace 12 Escalators (New Item)	Construction Award	Q2	Q3	8th Ave ROW (Misc.) Bundle (New Item)	Construction Award	Q2	2022
		\$120.5	\$111.1			\$83.2	\$133.7
Bid Opening Date postponed to address suspension of Executive Order 202. Contract documents revised to add a schedule value to each station where an escalator is being replaced. Project cost reflects latest estimate.				Project award rescheduled to accommodate for contract advertisement and procurement. Project cost reflects latest estimate.			

NOTE: schedule variances continue onto next page.

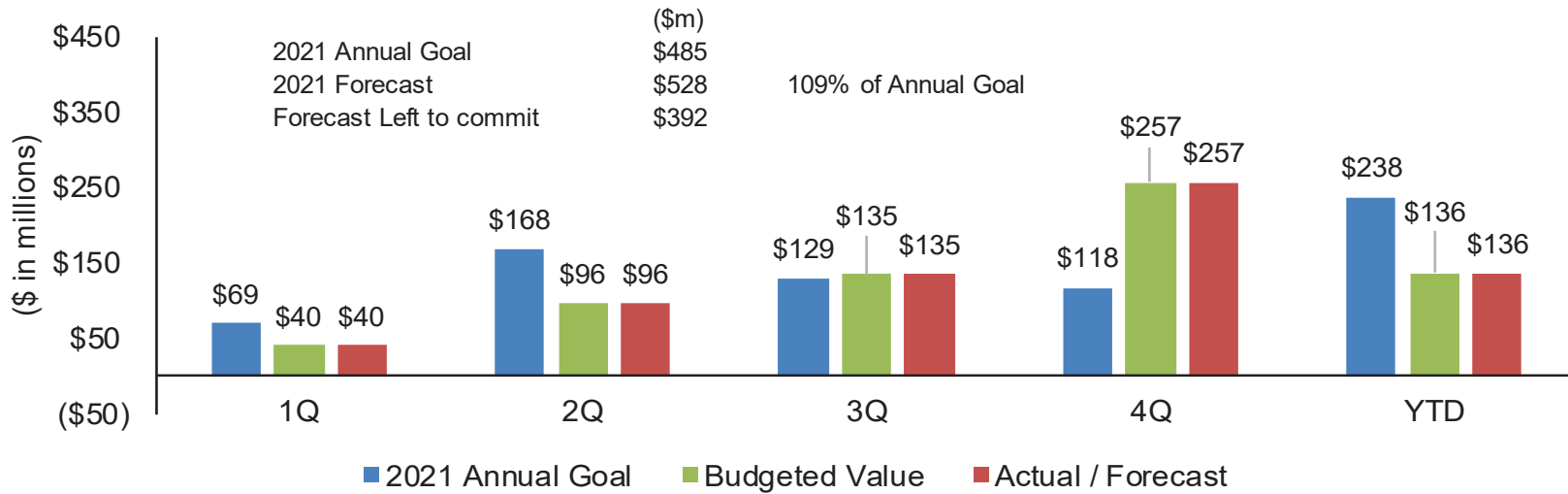
NYCT/MTA Bus Capital Projects – Commitments – June 2021 – Schedule Variances

Project	Commitment	Goal	Actual
3 NYCT/MTA Bus Amber Commitments (continued)			
<i>NYCT</i>			
<i>Hurricane Sandy</i>			
Sandy Repairs: Rockaway Line	Construction Award	Q2	Q3
Wrap-Up (New Item)		\$56.4	\$46.3
Project award delayed pending resolution of outstanding issues. Project cost reflects favorable bids received.			

Project	Commitment	Goal	Forecast
3 NYCT/MTA Bus Red Commitments (continued)			
<i>NYCT</i>			
<i>Misc./Emergency</i>			
Livingston Plz Elec and Mech	Construction Award	Q2	Q3
Sys Improvements, Ph B (New Item)		\$53.6	\$53.4
Project award rescheduled due to several addenda's issued to revise drawings and specifications and respond to bidder questions.			

LIRR Capital Projects – Commitments – June 2021 – Budget Analysis and Schedule Variances

LIRR Budget Analysis

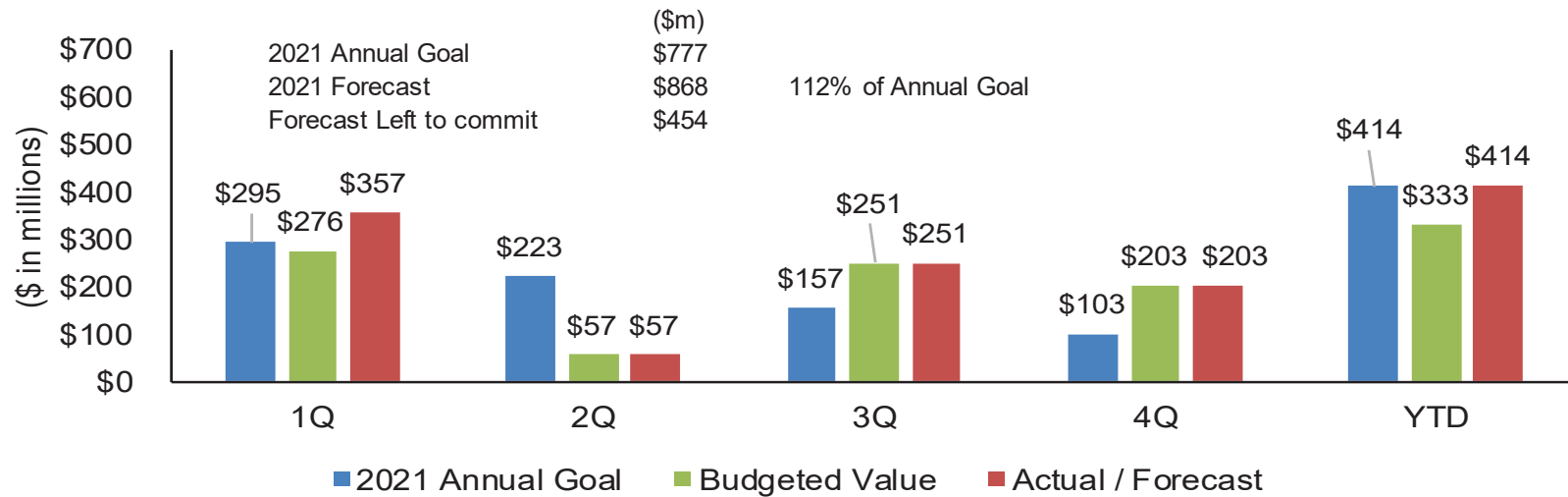


Q1 and Q2 Schedule Variances

Project	Commitment	Goal	Forecast
2 LIRR Red Commitments			
<i>LIRR</i>			
<i>Hurricane Sandy</i>			
LIC Yard Restoration-3P Construction (New Item)	Construction Award	Q2 \$13.4	Q4 \$23.5
Project award delayed due to additional bidder questions impacting bid opening schedule.			
<i>Rolling Stock</i>			
Work Locomotives (New Item)	Construction Award	Q2 \$35.7	Q4 \$45.7
Project award delayed to allow more time to negotiate with vendor.			

MNR Capital Projects – Commitments – June 2021 – Budget Analysis and Schedule Variances

MNR Budget Analysis

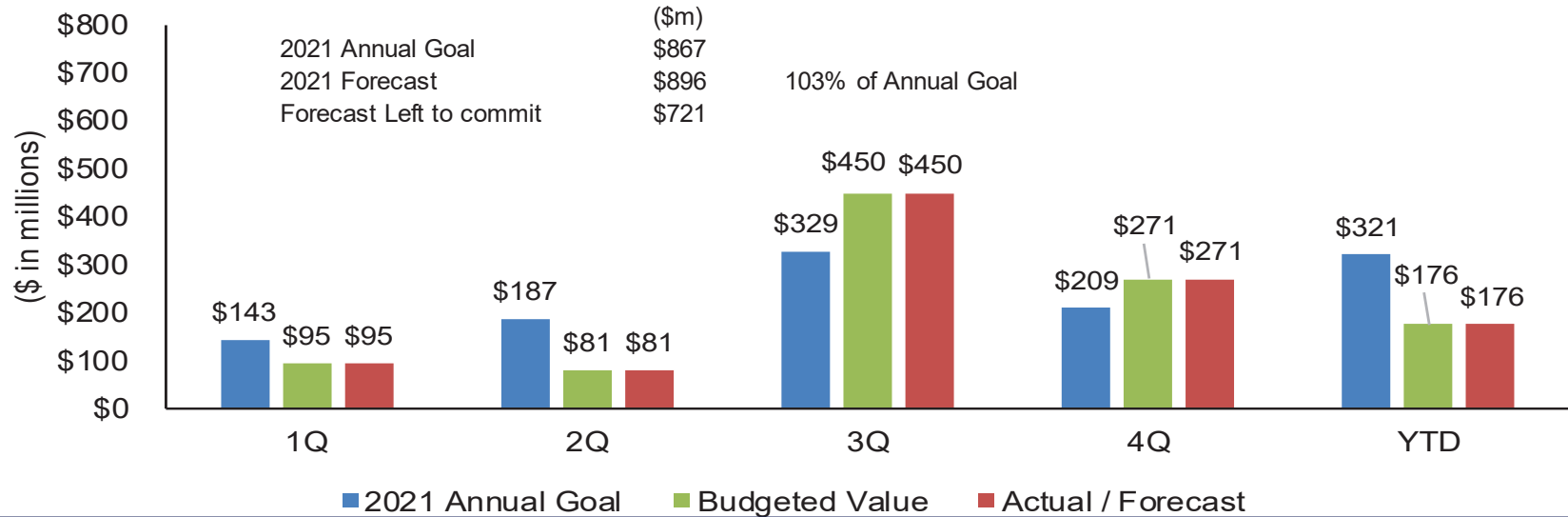


Q1 and Q2 Schedule Variances

Project	Commitment	Goal	Forecast
1 MNR Amber Commitment			
<i>MNR</i>			
<i>Stations</i>			
GCT Trainshed (New Item)	Construction Award	Q2 \$183.3	Q3 \$183.3
JP Morgan Chase has shifted the award date in order to respond to R.F.I.s (request for information) from proposers.			

MTA Expansion Capital Projects – Commitments – June 2021 – Budget Analysis and Schedule Variances

MTA Expansion Budget Analysis

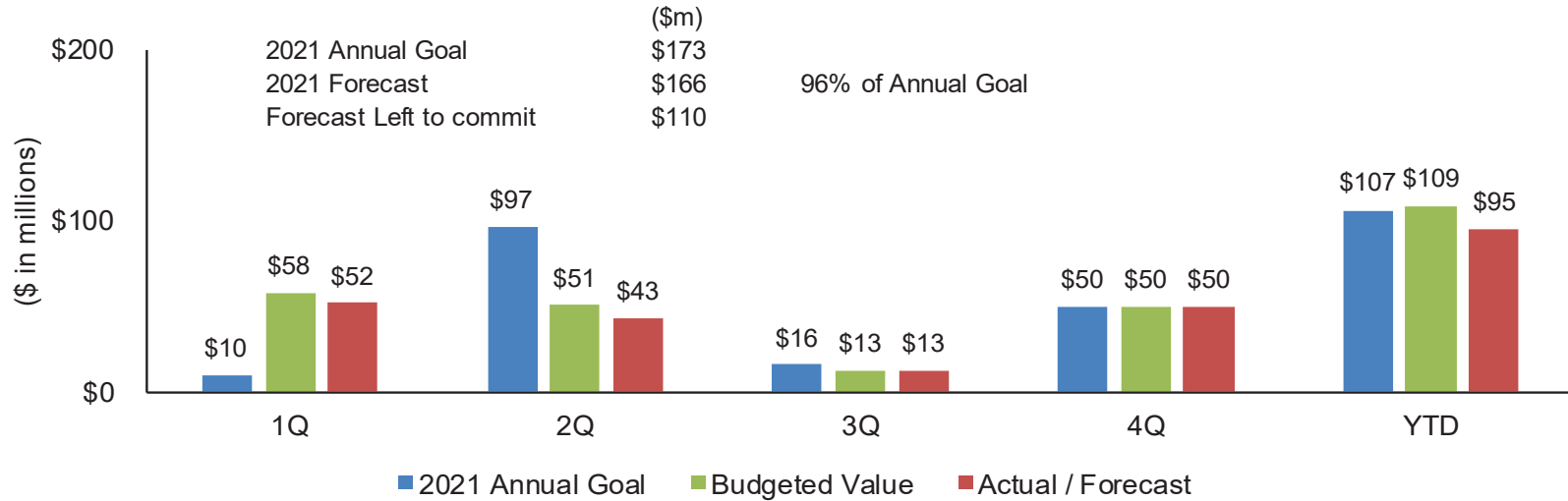


Q1 and Q2 Schedule Variances

Project	Commitment	Goal	Forecast
1 MTA Expansion Amber Commitment			
<i>MTA Expansion</i>			
<i>East Side Access</i>			
Rail Replacement	Construction Award	Q1 \$20.0	Q2(A) \$3.0
Project award was delayed to provide bidders additional time to submit bids. Award value reflects reduced material quantities.			

B&T Capital Projects – Commitments – June 2021 – Budget Analysis and Schedule Variances

B&T Budget Analysis



Q1 and Q2 Schedule Variances

The Q1 schedule variance reflects the early award of the installation of protective fencing at the Verrazzano-Narrows Bridge. There are no Q2 schedule slippages to report. Q3 schedule variances will be reported in October 2021.

Capital Projects – Completions – June 2021

Goal	Actual	MTA-wide 2021 Major Completions												Post 2021
		Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	
Total	51	1	1	1	5	3	1	2	3	7	9	4	11	3
Jan-21	1	1												
Feb-21	2				1			1						
Mar-21	1			1										
Apr-21	3				2			1						
May-21	7		1		2	1				2				1
Jun-21	7					2	1			3				1
Jul-21	3									1	2			
Aug-21	5								3		1			1
Sep-21	2									1		1		
Oct-21	7										6	1		
Nov-21	2											2		
Dec-21	11												8	3

BLUE = Forecast/Actual earlier than Goal
GREEN = Forecast/actual matches Goal
AMBER = Forecast/actual w ithin 2 months of Goal
RED = Forecast/actual beyond 2 months of Goal

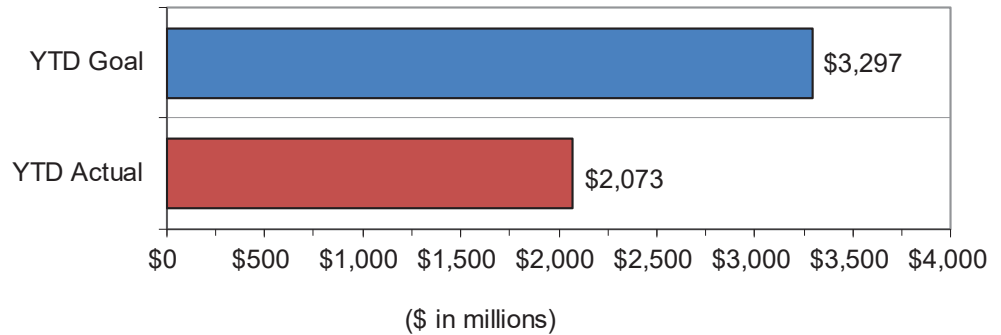
Completions Summary

In 2021, agencies have a goal of completing \$7.2 billion in work including 51 major completions. Major completions are generally those that have significant dollar value or have high visibility. In 2021, major completions total 72% of the annual goal. Major completions for 2021 by agency include 26 for NYCT, 7 for LIRR, 7 for MNR, 2 for MTA Bus, 5 for MTA Expansion, and 4 for B&T.

Through June, agencies have completed \$2.07 billion versus a \$3.29 billion goal. The shortfall is mainly due to slips of 9 major completions. Slips are explained on the following pages. The MTA currently anticipates achieving 97% of its 2021 annual goal.

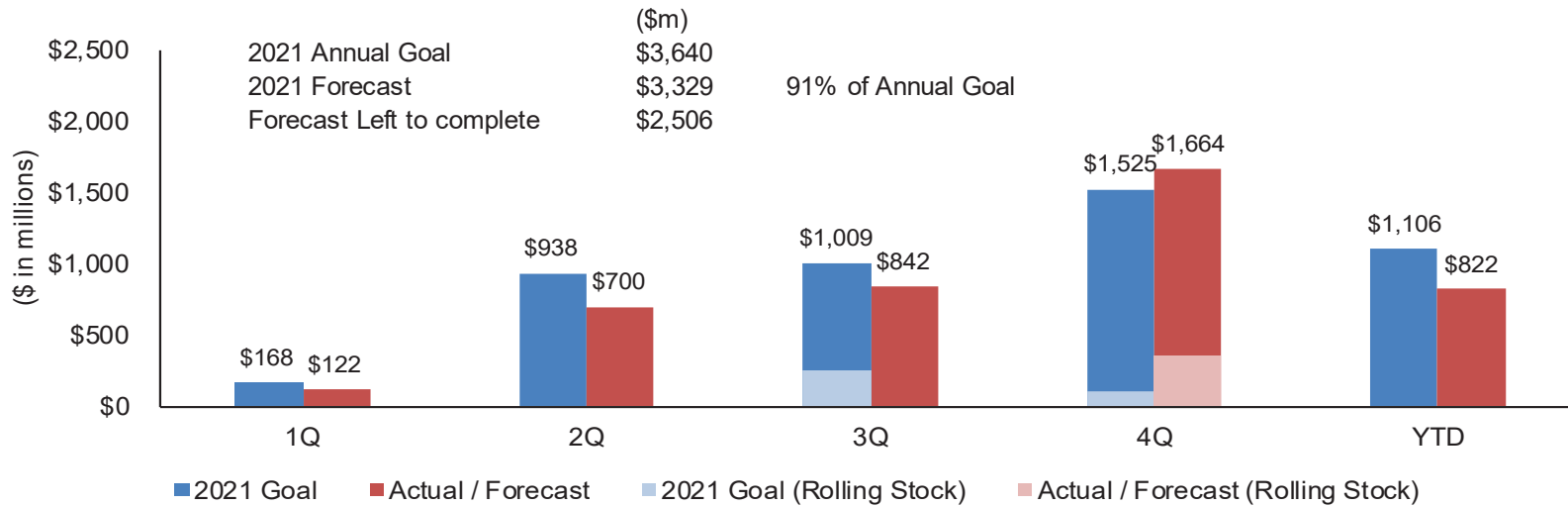
Budget Analysis

	(\$m)	
2021 Annual Goal	\$7,183	
2021 Forecast	\$6,986	97% of Annual Goal
Forecast left to Complete	\$4,912	



NYCT/MTA Bus Capital Projects – Completions – June 2021 – Budget Analysis and Schedule Variances

NYCT and MTA Bus Budget Analysis



Schedule Variances

Project	Completion	Goal	Forecast
4 NYCT/MTA Bus Amber Completions (3 New Items)			
<i>NYCT</i>			
<i>Passenger Stations</i>			
ADA: Gun Hill Rd / Dyre	Construction	Feb-21	Apr-21(A)
		\$55.1	\$55.8
Project completion was delayed due to an additional work order for the redesign of the fire sprinkler and fire alarm system as a result of changes to standards identified during pre-final inspection. Cost increase reflects additional CCM need.			
<i>Miscellaneous/Emergency</i>			
Livingston Plaza: Facade & Perimeter Hardening (New Item)	Construction	Aug-21	Oct-21
		\$33.5	\$33.5
Project completion delayed due to issues preventing the contractor from removing the scaffolding.			

Project	Completion	Goal	Forecast
8 NYCT/MTA Bus Red Completions (6 New Items)			
<i>NYCT</i>			
<i>Signals & Communications</i>			
CBTC Queens Blvd West - 50 St to Union Tpke: Ph 1	Construction	Aug-21	Dec-21
		\$235.8	\$254.8
Project completion delayed due to software reliability issues as well as additional time needed to monitor each section of the line's performance prior to entering beneficial use. Project cost increase in part due to additional TA support services, additional work orders, as well as additional administrative services.			
<i>Staten Island Railway</i>			
SIR: New Power Station: Clifton & New Dorp	Construction	Jun-21	Sep-21
		\$49.8	\$50.9
Project completion rescheduled due to fire alarm final acceptance testing and Con Ed delay in providing low tension and High Tension service. Project cost increase due to additional support services needed as a result of extended project duration.			

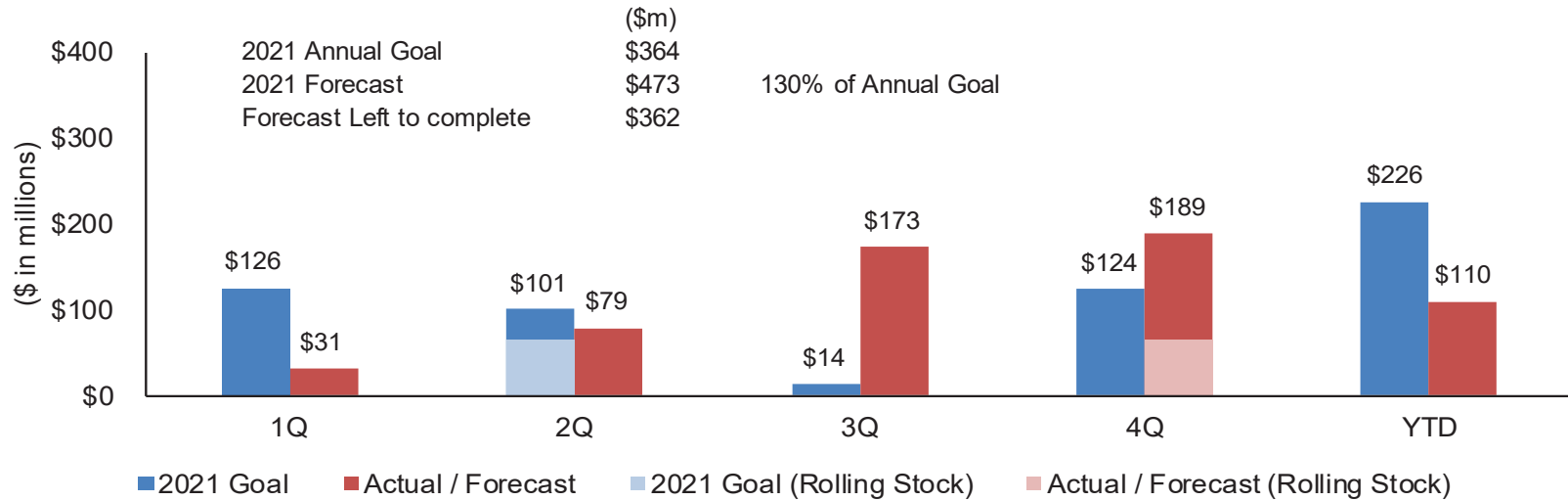
NOTE: schedule variances continue onto next page.

NYCT/MTA Bus Capital Projects – Completions – June 2021 – Schedule Variances

Project	Completion	Goal	Forecast	Project	Completion	Goal	Forecast
4 NYCT/MTA Bus Amber Completions (continued)				8 NYCT/MTA Bus Red Completions (continued)			
<i>NYCT</i>				<i>NYCT</i>			
<i>Rolling Stock</i>				<i>Traction Power</i>			
Purchase 165 Hybrid-Electric Standard Buses (Nova) (New Item) Construction Sep-21 \$150.7 Nov-21 \$150.7 Project completion schedule extended to account for COVID-19 impact on delivery schedule.				New Substation & CBHs: Maspeth Av-Humboldt St / Canarsie (New Item) Construction May-21 \$59.2 Sep-21 \$59.5 Project completion delayed due to pending Con Ed energization of High Tension (HT) feeder. Con Edison cannot commit to a date for energization of the 2nd HT Feeder due to emergency feeder outages caused by the ongoing Summer heat events.			
Purchase 126 Hybrid-Electric Standard Buses (Nova) (New Item) Construction Oct-21 \$107.9 Nov-21 \$108.0 Project completion schedule extended to account for COVID-19 impact on delivery schedule.				New Substation: Harrison PI / Canarsie (New Item) Construction May-21 \$51.3 Sep-21 \$52.0 Project completion delayed due to pending Con Ed energization of the substation of the 2nd feeder. See above for Con Ed energization issues.			
				<i>Signals & Communication</i>			
				Upgrade SONET Rings A,C (New Item) Construction Jun-21 \$29.4 Dec-21 \$29.7 Project completion delayed due to limited In-house resources to support the migration work.			
				<i>Depots</i>			
				Bus Radio System - NYCT (New Item) Construction Dec-21 \$195.4 Jun-23 \$208.6 Project completion delayed due to utility issues, poor contractor performance, conformed design issues, and delays related to the COVID-19 pandemic. Delays are being analyzed by MTA Legal and MTA C&D Program Controls. Project cost increased due to additional resources to review drawings and submittals related to additional workorders and the cost of new CCM to provide field inspections and contract management services to meet the schedule.			
				<i>Bus Company Projects</i>			
				Bus Radio System (New Item) Construction Dec-21 \$27.8 Jun-23 \$27.8 See Bus Radio System - NYCT explanation above.			
				Bus Radio System, Pt II (New Item) Construction Dec-21 \$37.4 Jun-23 \$37.4 See Bus Radio System - NYCT explanation above.			

LIRR Capital Projects – Completions – June 2021 – Budget Analysis and Schedule Variances

LIRR Budget Analysis

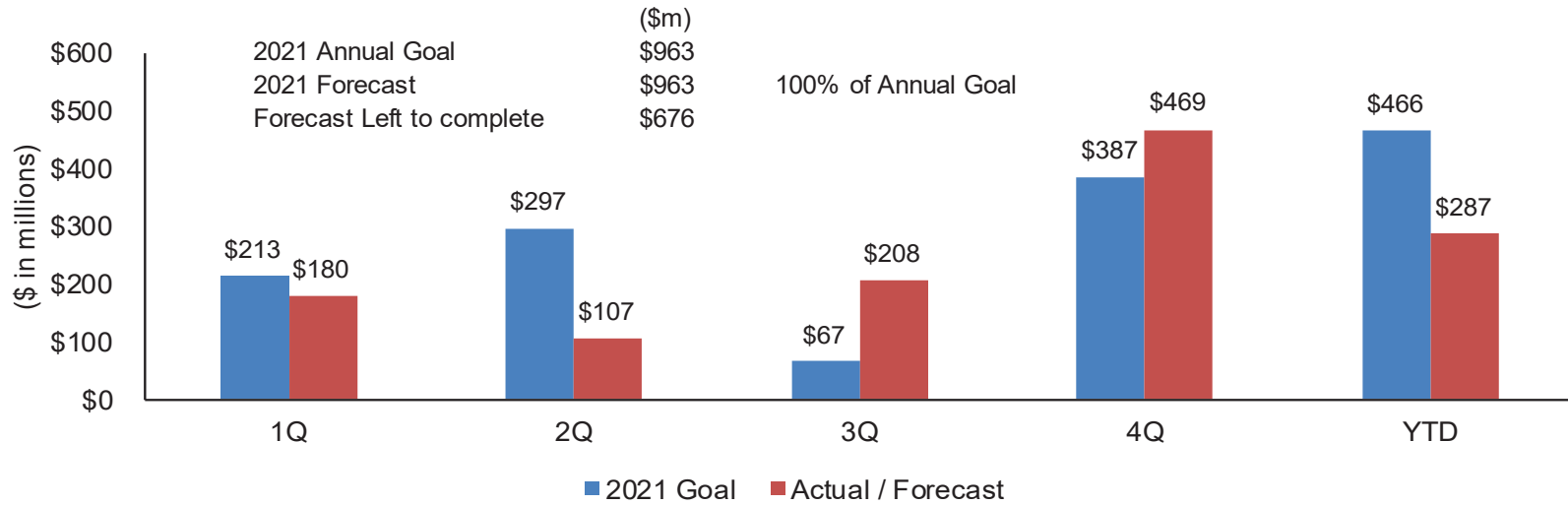


Schedule Variances

Project	Completion	Goal	Forecast
2 LIRR Red Completions			
<i>LIRR</i>			
<i>Shops and Yards</i>			
Diesel Locomotive Shop	Construction	Feb-21	Jul-21
Improvements		\$94.4	\$94.4
Project completion delays in attaining acceptance of the Fire Alarm System.			
<i>Rolling Stock</i>			
Rolling Stock: M-9 Procurement	Construction	May-21	Dec-21
		\$64.8	\$64.8
Project delayed due to workmanship issues and impacts related to the COVID-19 pandemic.			

MNR Capital Projects – Completions – June 2021 – Budget Analysis and Schedule Variances

MNR Budget Analysis

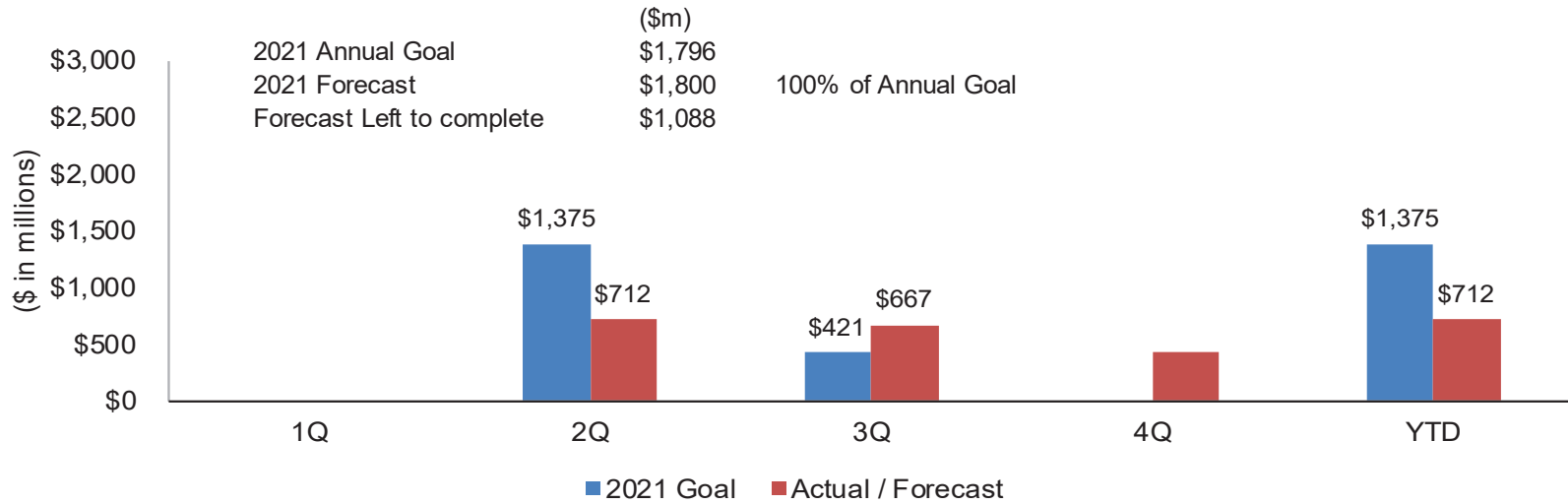


Schedule Variances

Project	Completion	Goal	Forecast
1 MNR Red Completion (1 New Item)			
MNR			
<i>Track & Structures</i>			
3rd Ave Bridge Replacement (New Item)	Construction	Jun-21	Sep-21
		\$14.4	\$14.4
No cost time extension being processed due to COVID related delays in material and equipment.			

MTA Expansion Capital Projects – Completions – June 2021 – Budget Analysis and Schedule Variances

MTA Expansion Budget Analysis

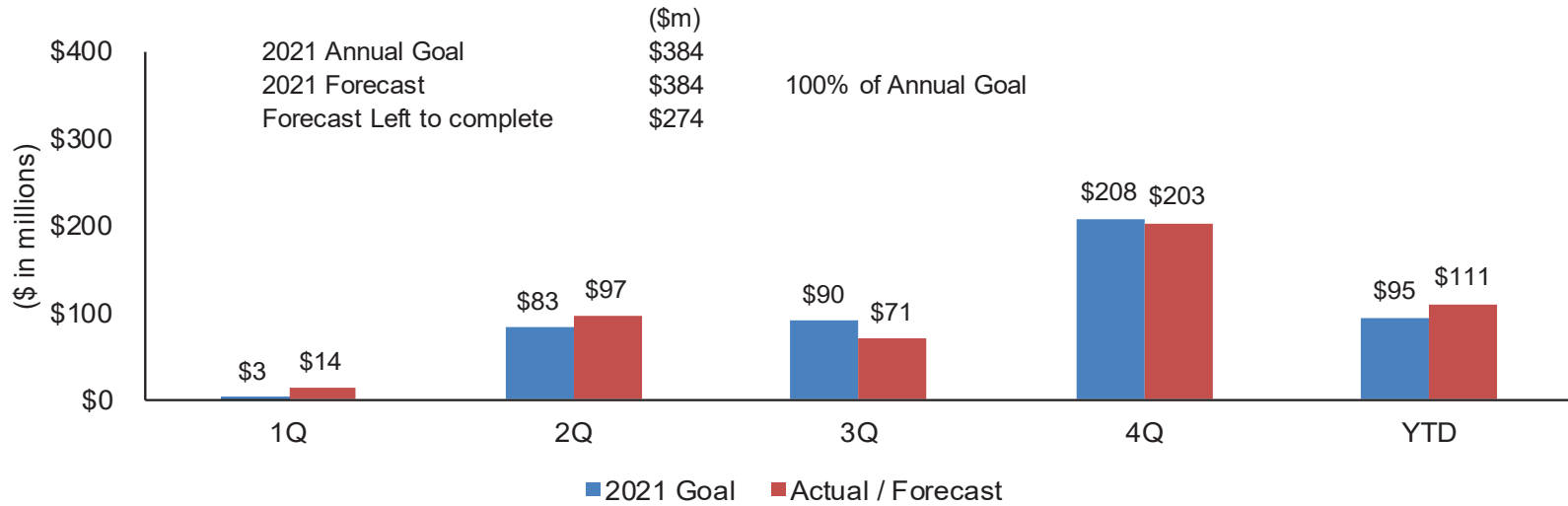


Schedule Variances

Project	Completion	Goal	Forecast	Project	Completion	Goal	Forecast
4 MTA Expansion Red Completion (3 New Items)				4 MTA Expansion Red Completion (continued)			
<i>MTA Expansion</i>				<i>MTA Expansion</i>			
<i>East Side Access</i>				<i>East Side Access</i>			
B/C Approach	Construction	Apr-21	Jul-21	Systems Package 2 - Tunnel Systems (New Item)	Construction	Jul-21	Oct-21
		\$92.9	\$92.9			\$72.0	\$72.0
Project substantial completion extended to include Loop 1A trench excavation and catenary work.				Delays to permanent power delivery.			
GCT Concourse & Facilities (New Item)	Construction	Jun-21	Sep-21				
		\$574.5	\$574.5				
Local systems testing (HVAC, fire protection) delays.							
Mid-Day Storage Yard (New Item)	Construction	Jul-21	Oct-21				
		\$348.6	\$348.6				
Signals/Systems integration testing delays.							

B&T Capital Projects – Completions – June 2021 – Budget Analysis and Schedule Variances

B&T Budget Analysis



Schedule Variances

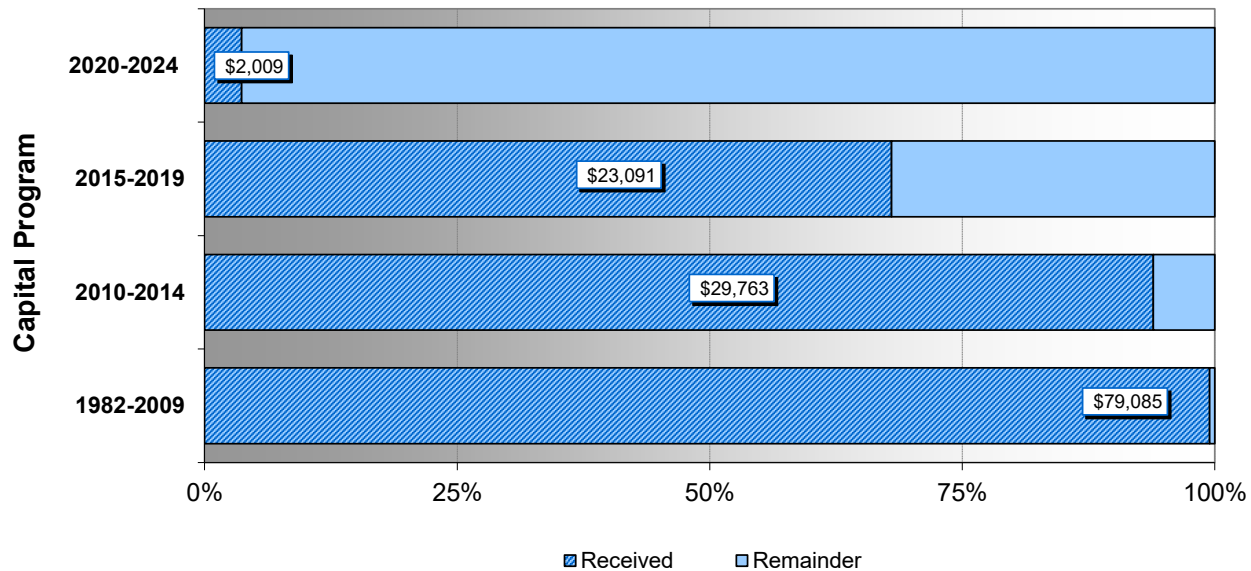
Project	Completion	Goal	Forecast
1 B&T Amber Completion			
<i>Bridges and Tunnels</i>			
<i>Bridges and Tunnels</i>			
CB Scour Protect/Repair/Replace	Construction	Jul-21	Sep-21
CB/MP Pier Fender		\$65.9	\$65.9

Project completion delayed due to weather delays.

Status of MTA Capital Program Funding

Capital Funding (June 2021)

\$ in millions



Capital Funding Detail (June 2021)

\$ in millions

	Funding Plan		Receipts	
	Current	Thru May	This month	Received to date
2010-2014 Program				
Federal Formula, Flexible, Misc	\$5,847	\$5,839	\$3	\$5,843
Federal High Speed Rail	173	173	-	173
Federal New Start	1,271	1,257	-	1,257
Federal Security	89	89	-	89
Federal RRIF Loan	-	-	-	-
City Capital Funds	719	608	-	608
State Assistance	770	770	-	770
MTA Bus Federal and City Match	132	112	-	112
MTA Bonds (Payroll Mobility Tax)	11,625	10,647	-	10,647
Other (Including Operating to Capital)**	1,292	1,281	-	1,281
B&T Bonds	2,175	2,019	-	2,019
Hurricane Sandy Recovery				
<i>Insurance Proceeds/Federal Reimbursement</i>	6,697	6,697	-	6,697
<i>PAYGO</i>	18	18	-	18
<i>Sandy Recovery MTA Bonds</i>	659	225	-	225
<i>Sandy Recovery B&T Bonds</i>	230	23	-	23
Total	31,696	29,759	3	29,763

	Funding Plan		Receipts	
	Current	Thru May	This month	Received to date
2015-2019 Program				
Federal Formula, Flexible, Misc	\$6,704	\$4,989	\$129	\$5,118
Federal High Speed Rail	\$122	\$122	-	\$122
Federal Core Capacity	100	-	-	-
Federal New Start	500	-	-	-
Federal Security	19	15	-	15
State Assistance	9,064	4,577	21	4,598
City Capital Funds	2,667	1,473	-	1,473
MTA Bonds	8,474	8,175	-	8,175
Asset Sales/Leases	959	315	-	315
Pay-as-you-go (PAYGO)**	2,145	1,572	-	1,572
Other	265	60	-	60
B&T Bonds & PAYGO/Asset Sale	2,942	1,644	-	1,644
Total	33,961	22,942	149	23,091

	Funding Plan		Receipts	
	Current	Thru May	This month	Received to date
2020-2024 Program				
Capital from Central Business District Tolling	\$15,000	\$ -	\$ -	\$ -
Capital from New Revenue Sources	10,000	-	-	-
MTA Bonds and PAYGO	9,782	202	-	202
Federal Formula	7,500	1,119	598	1,717
State of New York	3,000	-	-	-
City of New York	3,000	80	-	80
Federal New Start (SAS Ph2)	2,905	-	-	-
Federal Flexible	275	-	-	-
Federal Security	10	10	-	10
B&T Bonds (Self-Funded)	3,327	1	-	1
Total	54,799	1,411	598	2,009