

**MTACC Quarterly Progress
Report to Transit
Committee/CPOC**

Second Avenue Subway

March 21, 2016

Project Overview

Overall Status (as per 2009 Plan)

Item	Comments
Schedule	December 2016 Revenue Service Date
Cost	On budget

Highlights

Progress

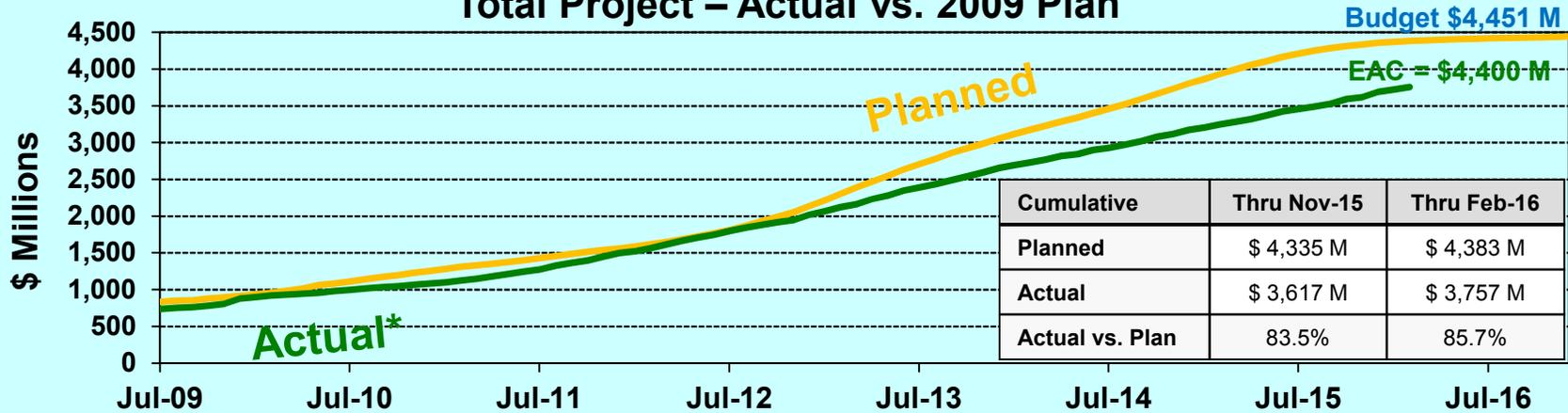
- ConEd has energized facility power for 96th Station.
- 63rd Street Station Contractor is performing testing and commissioning work for elevators, escalators, HVAC Systems and emergency tunnel ventilation fans.
- 72nd , 86th and 96th Street Station Contractors are performing installation of permanent facility power, elevators, escalators, HVAC, emergency tunnel ventilation fans and architectural work.
- Systems contractor is performing installation of track work, signal work, communications work and traction power work. Track work is 87% complete (19,146 LF out of 22,000 LF).

90 Day Look Ahead

- Complete all Level 3-4 testing for 63rd Street Station by April 30, 2016, one month later than last report.
- ConEd to energize facility power for 86th and 72nd Street Stations.
- Complete installation of Tunnel Vent Fans at 96th Street Station.
- Complete all track work.

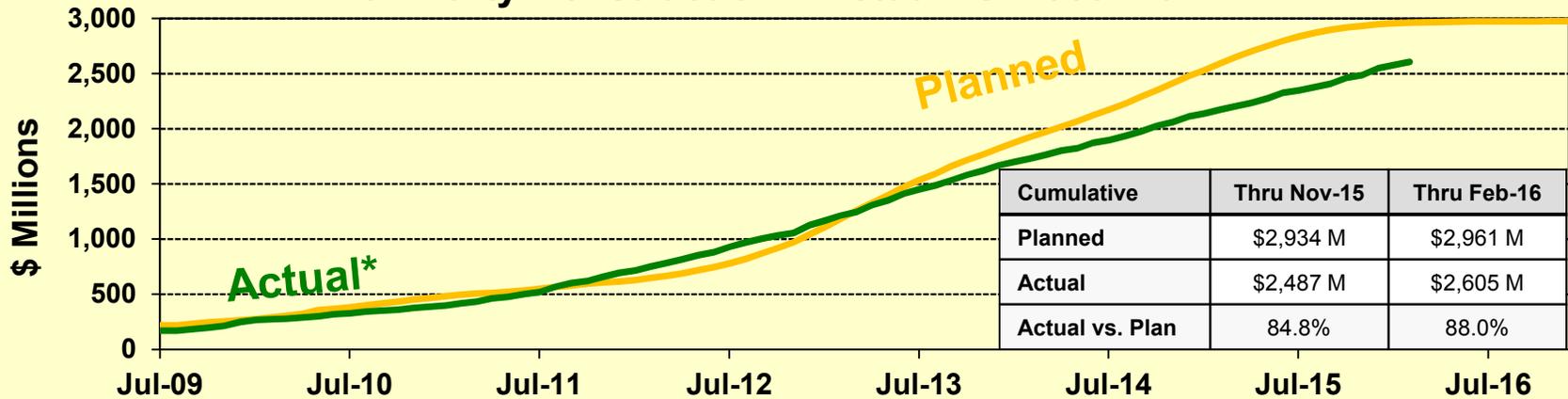
Cost & Schedule Performance

Total Project – Actual vs. 2009 Plan



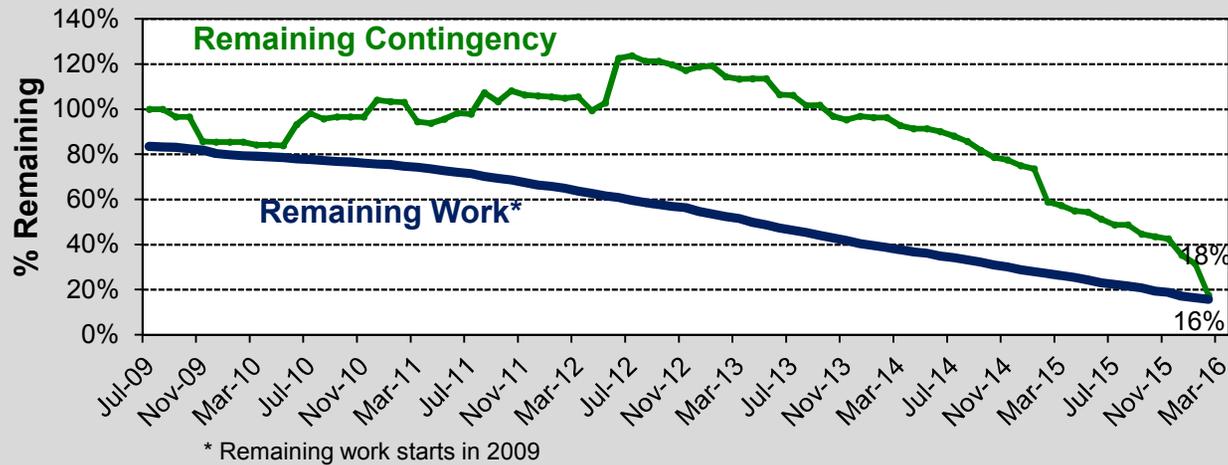
* Actual represents expended; does not include retainage.

3rd Party Construction – Actual vs. 2009 Plan



* Actual represents expended; does not include retainage.

Cost Contingency Status



- 2009 budget contingency: \$322 million
- Current budget contingency is \$56 million, \$81 million less than the last report (\$137 million).
- This reduction in contingency is due primarily to
 - Acceleration of 3 station finishes contracts (C2B, C4C, C5C) and the Systems contract (C6 contract) and;
 - Approved and pending negotiation AWO's associated with 96th Street Utility Relocation and Roadway Restoration and Wiring and 72nd Street Conduit Changes from Mimic Panel to Substation and SCADA Equipment.

Critical Milestones and Issues

63 rd Street Station (Contract 3)			
Status	Critical Milestone	Target Date	Remark
 Green	Elevators and Escalators Installation	March 2016	Elevators and Escalators installation is expected to be completed by March 31, 2016.
 Green	Fire Life Safety Installation	March 2016	Fire Life Safety is expected to be completed by March 31, 2016.
 Yellow	Level 3-4 Testing	April 2016	Level 3-4 testing for escalators, elevators and fire life safety is expected to be completed by April 30, 2016, one month later than expected.

Legend

	Red	Significant impacts with potential impacts on Revenue Service Date, Cost, or Customer Benefit Milestones
	Yellow	Impacts which can lead to cost increases or schedule delays on individual milestones or contracts.
	Green	No Near Term Impact for Design, Procurement & Construction. Successful management of major activity to stay on schedule or budget.

Critical Milestones and Issues

72 nd Street Station (Contract 4C)			
Status	Critical Milestone	Target Date	Remark
 Green	Permanent Power Energization	April 2016	Permanent Power is scheduled for energization by April 15, 2016 to support planned Testing and Commissioning activities.
 Red	Elevator and Escalator Installation	September 2016 October 2016	All Elevators will be installed by September 1, 2016. All Escalators will be installed by September 1, except for Entrance1; these will be installed by October 28, 2016.
 Yellow	Tunnel Vent Fans and Mechanical Readiness	May 2016	Tunnel Ventilation Fans and HVAC installation will be completed by May 31, 2016.
 Yellow	Level 3-4 Testing	August 2016 November 2016	Level 3-4 testing for all escalators (except for Entrance 1), elevators, tunnel vent fans and fire life safety is expected to be completed in August, 2016. Level 3-4 testing for escalators at Entrance 1 will be completed mid November, 2016.

Legend

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Critical Milestones and Issues

86 th Street Station (Contract 5C)			
Status	Critical Milestone	Target Date	Remark
Green	Permanent Power Energization	April 2016	Permanent Power is scheduled for energization by April 30, 2016 to support planned Testing and Commissioning activities.
Green	Escalator Installation	June 2016	Escalator installation for Entrance 1, Entrance 2 and Platform to Mezzanine will be completed by June 1, 2016.
Green	Ancillary 1 and 2 Structures and MEP work	April 2016	A plan has been adopted to reduce construction duration by 2 1/2 months by working extended work hours and weekends. The structures will be completed by April 30, 2016.
Yellow	Level 3-4 Testing	August 2016	Level 3-4 testing for escalators, elevators, tunnel vent fans and fire life safety is expected to be completed in August, 2016.

Legend

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Critical Milestones and Issues

96 th Street Station (Contract 2B)			
Status	Critical Milestone	Target Date	Remark
 Green	Tunnel & Stations Smoke Management and HVAC	June 2016 May 2016	Tunnel Ventilation Fans will be installed by June 21, 2016. HVAC installation will be completed by May 31, 2016.
 Green	Elevators and Escalators Installation	May 2016 July 2016	Escalators installation at Entrance 1, 2, 3 and Platform to Mezzanine level will be completed by May 2016. Elevators installation will be completed by July 2016.
 Green	Fire Life Safety Installation	June 2016	Fire Life Safety installation is expected to be completed by June 2016.
 Yellow	Level 3-4 Testing	August 2016	Level 3-4 testing for escalators, elevators, tunnel vent fans and fire life safety is expected to be completed in August, 2016.

Legend

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Critical Milestones and Issues

Systems (Contract 6)			
Status	Critical Milestone	Target Date	Remark
 Yellow	Communication Systems Installation (Fire Alarm, PA/CIS)	August 2016	Contractor is working at all three stations at the same time and working extended work hours and weekends. Communication Systems installation will be completed by August 31, 2016.
 Red	Communication Systems Installation (Police Radio)	October 2016	Police Radio is scheduled for delivery mid-September and for in-service mid-October 2016.
 Green	Traction Power Energization	July 2016	Acceleration to include working extended work hours and weekends. Traction power energization will be completed by July 11, 2016.
 Green	Signal and Track Work	July 2016 May 2016	Utilizing extended work hours and weekends, signal work will be completed through Level 3-4 testing by July 18, 2016. Track work will be completed by May 15, 2016.

Legend

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