



QUARTERLY REPORT

**Second Avenue Subway
Phase 1**

October, November and December 2013



TABLE OF CONTENTS

Executive Summary	4
<i>Fourth Quarter Highlights</i>	4
<i>Status of the SAS Project Budget (Expenditures / Cash Flow)</i>	6
<i>Status of the SAS Project Schedule</i>	8
<i>Integrated Project Schedule Summary</i>	11
 Funding and Project Budget	 12
<i>FFGA Baseline & Current Budget Summary (As of December 31, 2013) (\$ in Millions)</i>	12
<i>Summary By FTA Standardized Cost Categories (As of December 31, 2013)</i>	13
<i>Current Funding Status (As of December 31, 2013)</i>	14
 Status of Contracts - Active Construction	 15
96th Street Station – <i>Station Finishes, MEP Systems, Ancillary Buildings and Entrances (Contract C-26010)</i>	15
<i>Change Orders Greater than \$100,000 (Approved and/or Negotiated)</i>	16
86th Street Station – <i>Cavern Mining, Heavy Civil/Structural Work (Contracts C-26008)</i>	18
<i>Change Orders Greater than \$100,000 (Approved and/or Negotiated)</i>	19
<i>Progress by Invoice</i>	20
86th Street Station – <i>Entrances, Ancillary Bldgs. & MEP (Contracts C-26012)</i>	21
<i>Change Orders Greater than \$100,000 (Approved and/or Negotiated)</i>	23
72nd Street Station – <i>Station Cavern and Heavy Civil Structural (C-26007)</i>	25
<i>Change Orders Greater than \$100,000 (Approved and/or Negotiated)</i>	26
<i>Progress by Invoice</i>	27
72nd Street Station – <i>Entrances, Ancillary Bldgs. & MEP (Contract C-26011)</i>	28
<i>Change Orders Greater than \$100,000 (Approved and/or Negotiated)</i>	29
<i>Progress by Invoice</i>	31
63rd Street Station – <i>Lexington Avenue Station (Contract C-26006)</i>	32
<i>Change Orders Greater than \$100,000 (Approved and/or Negotiated)</i>	33
<i>Progress by Invoice</i>	35
Systems – <i>Track, Power, Signals and Communications (Contract C-26009)</i>	36
<i>Change Orders Greater than \$100,000 (Approved and/or Negotiated)</i>	37
<i>Progress by Invoice</i>	39
 Status of Contracts– Closed-Out	 40
<i>TBM Tunnels from 92nd Street to 63rd Street (Contract C – 26002)</i>	40
<i>86th Street Station -- Excavation, Utility Relocation, and Road Decking (Contract C-26013)</i>	41

Status of Contracts – Substantial Completion	42
<i>96th Street Station – Heavy, Civil, Structural and Utility Relocation (Contract C-26005)</i>	42
First Quarter 2014 – Look Ahead	44
<i>Construction</i>	44
<i>Budget and Finance</i>	46

EXECUTIVE SUMMARY

FOURTH QUARTER HIGHLIGHTS

Construction

- Contract C-26005 - 96th Street Station Heavy Civil Work - The contract was substantially completed on November 5, 2013. Milestone 2 to complete all work in Ancillary 2, Entrance 1 and 2, and 93rd to 95th Streets was completed on November 5, 2013. This is the third contract out of ten to be completed for Phase 1 of the Second Avenue Subway Project.
- Contract C-26008 - 86th Street Station Cavern Mining - The final blast, which completed excavation for a future escalator entrance located on the north side of 86th Street and Second Avenue, took place at 5:21 pm on Monday, November 18, 2013. This is a significant milestone for the project and the community as all blasting is now complete for Phase 1 of the Second Avenue Subway Project. STJV has also completed placement of all the structural invert slabs in the main cavern.
- Contract C-26007 – 72nd Street Station Cavern Mining, G3/G4 Tunnels - The last major concrete placement at the 72nd Street Station was completed on December 2, 2013. Substantial Completion for this Contract was declared on January 14, 2014.
- Contract C-26006 -- 63rd Street/Lexington Avenue Station Upgrade – Work at Ancillary #1 was substantially completed on October 31, 2013. Work in Ancillary #2 in the Underground Parking Garage was completed on December 30, 2013.

Budget

MTACC is currently managing to a Current Working Budget (Revision 10 Estimate) of \$4.451 Billion, exclusive of \$816.614 Million in financing costs. The MTA Board has approved Local Funds totaling \$3.509 Billion. Total Federal participation is \$1.300 Billion, of which \$1.063 Billion has been obligated as of December 31, 2013. Execution of the SAS revised FFGA and 2012 Grant (NY-03-0408-09) is pending based on further discussions with the FTA.

Schedule

Construction progress through the end of the fourth quarter is 61.82% and continues to support MTA’s forecasted Revenue Service Date of December 30, 2016. The following milestones were achieved:

- Milestone 3 to provide access to east and west track ways through 96th Street Station and 97th Street to 99th Street, and 99th to 105th Streets, for Contract C-26010 on October 18, 2013.
- Milestone 6 to complete all work in Ancillary #1 for Contract C-26006 on October 30, 2013.
- Milestone 5 to complete all work in Ancillary #2 in Parking Garage for Contract C-26006 on December 30, 2013.

Procurement

All design and construction services required for the execution of Phase 1 of the SAS Project have been completed.

Organization

MTACC has supplemented project staff through the hiring of a Construction Manager for Contracts C-26008 and C-26012. The positions for full-time project schedulers for all construction contracts have been filled.

SAS Enterprise Level Project Execution Plan (ELPEP) Compliance Requirements

To be compliant with Section 6.2 FFGA Schedule Contingency Management of the “Schedule Management Plan,” MTACC is required to ensure schedule contingency for MTACC is above the minimums set forth below:

The FFGA RSD of February 2018 shall apply and a minimum level of schedule contingency of 240 days (i.e., the “trigger point”) through the 3rd Quarter of 2016 (i.e., the “hold point”) shall be maintained, at which time the schedule contingency minimums will be updated as mutually agreed. Failure to meet this requirement shall trigger the requirement for a recovery plan.

Minimum differences between the individual Project-level critical path and the next longest path(s) (namely “near critical” paths) for both projects shall be 25 calendar days.

MTACC will manage the project to reflect a target schedule date of December 2016. Currently, schedule contingency of 168 calendar days (120 wds) has been built into the MTACC IPS and will be used to accommodate delays in the contracts that cannot be recovered or mitigated.

For period ending, **31-December-13**, the MTACC IPS Program schedule continues to be in compliance with the four (4) ELPEP requirements set forth in the Schedule Management Plan.

Top Risks and Opportunities

The SAS Project Team continues to employ a variety of risk management techniques to identify, quantify and manage risks that may impact the project cost or schedule. The Integrated Project Schedule (IPS) was updated to reflect contractors' most recent schedule and to better integrate the schedule components of the various construction contracts. Major risks to the project include the management and execution of various prime contractor interfaces as well as overall construction delays which are under continual review and evaluation by the SAS Project Team. A Final Program Wide Risk Analysis was completed in mid-January 2014 and the results are being discussed with Senior Management.

STATUS OF THE SAS PROJECT BUDGET (EXPENDITURES / CASH FLOW)

BUDGET TOTAL (Exclusive of Financing Costs) (*Millions*)

	Budget	Awards	Invoiced
	\$ 4,451.0 B	\$3,985.7B*	\$2,723.8B
<i>% Budget</i>		89.5%	61.2%
<i>% Awards</i>			68.3%

**As of December, 2013, twelve (12) contracts (incl. Substantial Completions & Close-Outs)*

CONSTRUCTION, SUBSTANTIAL COMPLETION & CLOSE-OUT ONLY(*Millions*)

	Budget	Awards	Invoiced
	\$ 2,905.5 B	\$2,794.4*	\$1,724.4 M
<i>% Budget</i>		96.2%	61.7%
<i>% Awards</i>			59.3%

**Construction Awards, Substantial Completions, Close-Out and Approved and/or Negotiated AWOs only*

CONTINGENCY (Millions)

	FFGA Baseline	September '09 Baseline	Current Contingency Cost Estimate Rev 10*
AWO	\$214.0	\$136.0	\$111.2*
Executive Reserve	\$160.0	\$160.0	\$160.0
Subtotal	\$374.0	\$296.0	\$271.2
AFI	\$209.0	\$171.0	\$0
Unallocated AFI	\$0	\$0	\$77.4
Subtotal	\$209.0	\$171.0	\$77.4
Total Net Contingency	\$583.0	\$467.0	\$348.6

*AWO amount is gross minus value of awarded and negotiated to date. \$230.6 gross -\$119.4(awarded and negotiated) = \$111.2

All consultant and construction contracts have been awarded. Active contracts are listed below:

ACTIVE CONTRACTS

- **AECOM-Arup, JV** - Contract C-81188 – Engineering Services for the SAS Project
- **Parson Brinckerhoff** - Contract C-81338 – Consultant Construction Management Services for Phase 1
- **E.E. Cruz & Tully Construction Co., JV** - Contract C-26005 - 96th Street Station Heavy Civil/Structural Work
- **Schiavone/Shea/Kiewit** - Contract C-26007 - 72nd Street Station, Station Cavern Mining, G3/G4 Tunnels, & Heavy Civil Structural Work
- **Judlau Contracting, Inc** - Contract C-26006 - 63rd Street Station Reconstruction
- **Skanska/Traylor, JV** - Contract C-26008 - 86th Street Station Mining & Heavy Civil/Structural Work
- **Comstock/Skanska, JV** - Contract C-26009 - Systems-Power, Signals, Track & Communication
- **E.E. Cruz & Tully Construction Co., JV** - Contract C-26010 - 96th Street Station – Finishes Work
- **Judlau Contracting** - Contract C-26011 – 72nd Street Station – Entrances,

- Ancillaries, Concrete Work, and Finishes (Arch, MEP)
- **86th Street Constructors, JV** - Contract C-26012 – 86th Street Station – Entrances, Ancillaries, Concrete Work, and Finishes (Arch, MEP)

CLOSED CONTRACTS

- J.D’ Annunzio & Sons, Inc. – Contract C-26013 – Excavation, Utility Relocation & Road Decking Work
- S3 Tunnel Constructors – Contract C-26002 – Tunneling from 92nd Street to 63rd Street by Tunnel Boring Machine (TBM)

CONTRACTS SUBSTANTIALLY COMPLETED THIS QUARTER

- Contract C-26005 – 96th Street Station Heavy Civil Work – was substantially completed on November 5, 2013.

PROJECT PROGRESS

- *Design Percent Complete – 100%*
- *Construction Phase Support (A-A JV) – 60.69%*
- *Construction Progress – 61.82%*

**The percentage of progress for Construction Phase Support is based on an approved budget of \$64.9 Million (excluding Other Direct Costs), based on the latest Revision 10 budget. The CPS percent of progress reported in the previous Quarterly Report (for the third quarter of 2013) was based on a CPS budget of \$60.8 Million (excluding Other Direct Costs).*

FFGA Milestones Remaining	FFGA Planned Date	Forecast Date
Revenue Operation Date	June 30, 2014	December 2016

STATUS OF THE SAS PROJECT SCHEDULE
Overview

Schedule information contained within this report reflects schedule status as of Jan. 1, 2014. Through December 31, 2013, Construction is 61.82% complete, representing a gain of 2.61% for the period of October 1, 2013 through December 31, 2013.

SAS FFGA Schedule Contingency Management

To be compliant with Section 6.2 FFGA Schedule Contingency Management of the “Schedule Management Plan,” MTACC is required to ensure schedule contingency for MTACC is above the minimums set forth below:

“The FFGA RSD of February 2018 shall apply and a minimum level of schedule contingency of 240 days (i.e., the “trigger point”) through the 3rd Quarter of 2016 (i.e., the “hold point”) shall be maintained, at which time the schedule contingency minimums will be updated as mutually agreed. Failure to meet this requirement shall trigger the requirement for a recovery plan.

Ensure that a minimum float of 60 calendar days exists between a contract package’s critical path “need date” and any ROW/Real Estate activities. All ROW/Real Estate activities are now complete. Therefore, this is no longer an issue.

Minimum differences between the individual Project-level critical path and the next longest path(s) (namely “near critical” paths) for both projects shall be 25 calendar days.

MTACC will manage the project to reflect a target schedule date of December 2016. Currently, schedule contingency of 168 calendar days (120 wds) has been built into the MTACC IPS and will be used to accommodate delays in the contracts that cannot be recovered or mitigated.”

For period ending **01-Dec-13**, the MTACC IPS Program schedule continues to be in compliance with the four (4) ELPEP requirements set forth in the Schedule Management Plan

FFGA SAS RSD

- Allowed => February 2018
- **Actual => December 2016**

Real Estate Minimum Floats

- Allowed => 60 Calendar Days
- **Actual => All Real Estate Takings are complete as of November 1, 2011 with the last “Title Vesting” filing occurring on October 25, 2011.**

Minimum Secondary Critical Path

- Allowed => 25 Calendar Days
- **Actual => 32 Calendar Days (or 25 Working Days) through track work installation starting at 96th street through 72nd street into the installation of wayside equipment at 72nd Street Station.**

Minimum Schedule Contingency along the Critical Path (See curve on following page)

- Allowed => FFGA 240 CDs through 3rd Qtr 2016 (MTACC Goal - 168 CDs above FFGA 240 CDs).

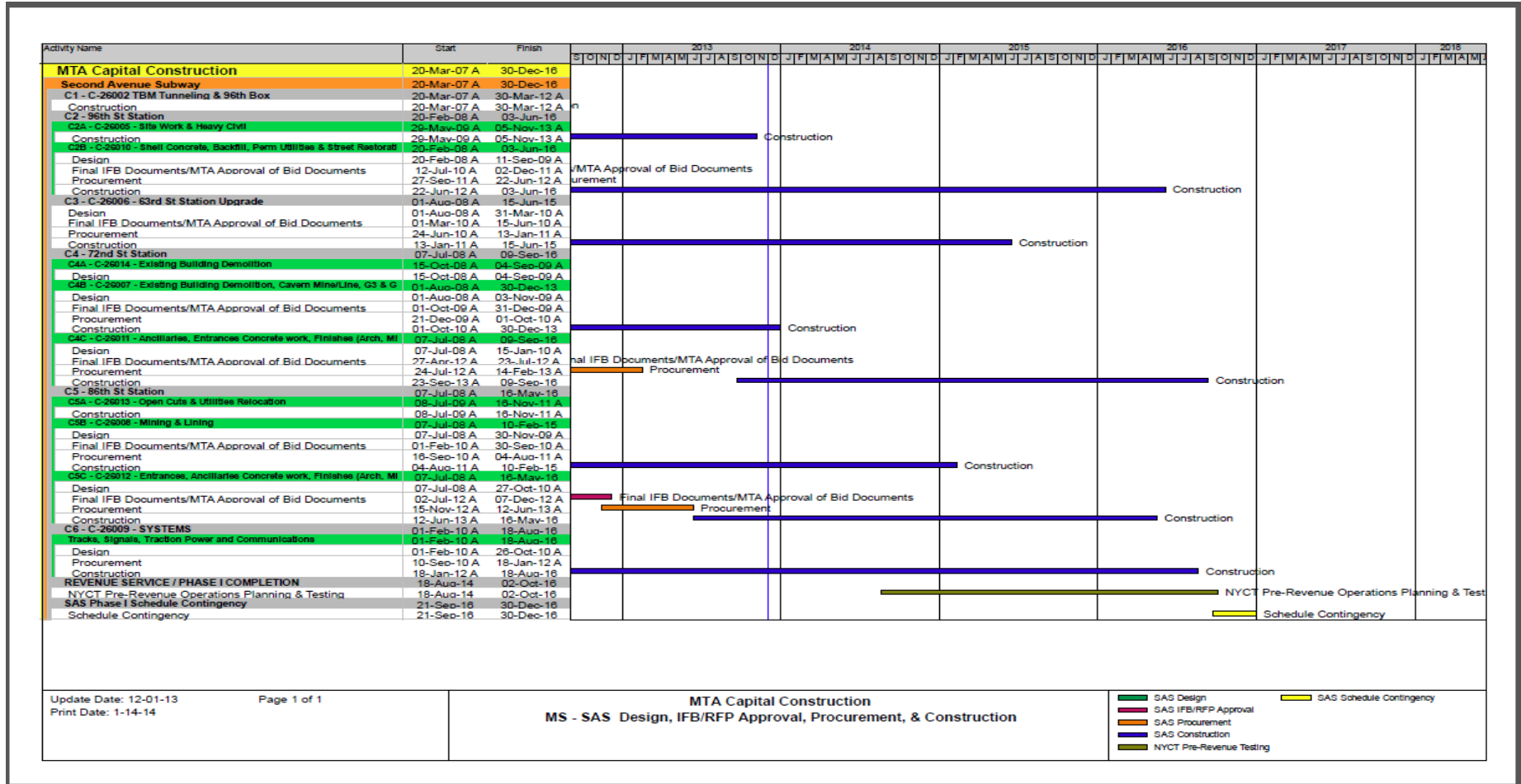
Actual => 102 CDs above the FFGA 240 CDs (73 Working Days thru C-26008 - (C5B) 86th St Station Mining & Lining & C6 Systems). Due to concurrence by the NYCT's Department of Subways schedule contingency went up 9 calendar days (12 work days) during Update #83.

UPCOMING MILESTONES

- Contract C-26011 – 72nd Street Station: Ancillaries, Entrances, Concrete Work, Finishes (Arch, MEP); Milestone #1 “Complete work/Allow Vehicle Access between Station 1172+40 & Station 1163+00” is targeted for completion in February 2014.
- Contract C-26011 – 72nd Street Station: Ancillaries, Entrances, Concrete Work, Finishes (Arch, MEP); Milestone #2 “Complete work/Allow Limited Access between Station 1182+40 & Station 1163+00” is targeted for completion in June 2014.
- Contract C-26011 - 72nd Street Station: Ancillaries, Entrances, Concrete Work, Finishes (Arch, MEP); Milestone #4 “Complete work/Allow Vehicle Access between Station 1163+00 Station 1148+00” is targeted for completion in February 2014.
- Contract C-26011 – 72nd Street Station: Ancillaries, Entrances, Concrete Work, Finishes (Arch, MEP); Milestone #5 “Complete work/Allow Limited Access between Station 1163+00 & Station 1148+00” is targeted for Completion in April 2014.
- Contract C-26011 – 72nd Street Station: Ancillaries, Entrances, Concrete Work, Finishes (Arch, MEP); Milestone #6 “Complete work/Allow Shared Access between Station 1163+00 & Station 1148+00/ 69th Street Shaft” is targeted for Completion in June 2014.
- Contract C-26008 – 86th Street Station: Mining and Lining; Milestone #1 “Complete all work south of grid line 15” is targeted for Completion in March 2014.

Quarterly Review Report – 4th Quarter 2013

INTEGRATED PROJECT SCHEDULE SUMMARY



3.0 FFGA BASELINE & CURRENT BUDGET SUMMARY
(As of December 31, 2013)

Design	FFGA Budget**	(A) Current Working Budget***	Awarded Value	Expended to Date	(B) Rev. 10 EAC***	(A-B) Variance
EIS	\$11,599,831	\$11,573,268	\$11,573,268	\$11,531,731	\$11,573,268	\$0
PE & FP Engineering****	\$227,338,759	\$227,227,270*	\$227,338,759*	\$227,220,270	\$227,227,270	\$0
Final Design	\$172,391,181	\$258,856,462	\$242,276,917	\$227,630,481	\$258,856,462	\$0
Subtotal Award Value	\$411,330,771	\$497,657,000	\$481,188,944	\$466,382,482	\$497,657,000	\$0
FD Reserve*****	\$(1,330,771)	\$0			\$0	\$0
Subtotal	\$410,000,000	\$497,657,000	\$481,188,944	\$466,382,482	\$497,657,000	\$0
Construction	FFGA Budget**	(A) Current Working Budget***	Awarded Value	Expended to Date	(B) EAC***	(A-B) Variance
Contracts Awarded & Contingency <i>(incl. AWOs billed and/or approved)</i>	\$1,760,307,224	\$2,905,450,741	\$2,794,405,628	\$1,724,377,937	\$2,905,450,741	\$0
Contracts Awarded & Contingency - <i>(increase for Add'l Rev. 10 EAC)</i>					\$0	\$0
Subtotal Including EAC difference	\$2,686,721,925	\$2,905,450,741	2,794,405,628	\$1,724,377,937	\$2,905,450,741	\$0
Current Working Budget – Rev. 10 EAC*****	\$5,278,075	\$0	\$0	\$0	\$0	\$0
NYCT Labor	\$28,000,000	\$25,600,000***	\$25,600,000	\$7,032,615	\$25,600,000	\$0
EFA	\$48,000,000	\$95,400,000***	\$95,400,000	\$33,271,713	\$95,400,000	\$0
Utilities	\$58,000,000	\$91,586,000***	\$91,586,000	\$45,045,589	\$91,586,000	\$0
CCM	\$80,940,647	\$125,205,000	\$115,612,335	\$82,506,379	\$125,205,000	\$0
Artwork	\$6,000,000	\$6,000,000	\$3,198,900	\$532,162	\$6,000,000	\$0
Rolling Stock***	152,999,000	\$0	\$0	\$0	\$0	\$0
Real Estate	\$240,960,000	\$245,000,000	\$202,476,478	\$191,471,356	\$245,000,000	\$0
Cost To Cure <i>(incl. Judlau Contracting)</i>	\$0	\$36,500,000	\$28,782,661	\$26,986,485	\$36,500,000	\$0
OCIP	\$160,000,000	\$175,000,000	\$143,809,916	\$143,809,916	\$175,000,000	\$0
NYCT Force Account	\$0	\$9,500,000	\$2,972,000	\$2,381,522	\$9,500,000	\$0
Engineering Services	\$0	\$660,085	\$660,085	\$0	\$660,085	\$0
Unallocated AFI/Contingency****	\$0	\$77,441,174***	\$0	\$0	\$77,441,174	\$0
Executive Reserve*****	\$173,100,353	\$160,000,000	\$0	\$0	\$160,000,000	\$0
Subtotal	\$953,278,075	\$1,047,892,259	\$710,098,375	\$532,506,107	1,047,892,259	\$0
Total Award Value	\$4,051,330,771	\$4,451,000,000	\$3,985,692,947	\$2,723,798,156	\$4,451,000,000	\$0
Total Project Budget/FD Reserve	\$4,050,000,000	\$4,451,000,000			\$4,451,000,000	\$0
Estimated Financing Cost	\$816,614,000	\$816,614,000			\$816,614,000	
Totals Including Financing Cost	\$4,866,614,000	\$5,267,614,000	\$3,985,692,947	\$2,723,798,156	\$5,267,614,000	\$0
* The Design Consultant, AAJV MODs pending to reduce, PE & FPE CWB/Authorized Contract Value based on final charges.						
** The FFGA Budget of \$4,050b was based on Rev. 5d (June, 2007). As of December, 2011, SAS is measuring its expenditures and awards in parallel to the approved CWB & EAC.						
*** The CWB is based on Rev.10 Estimate & Soft Costs of \$4,451B but may appear to be over by \$2 due to rounding in Soft Costs & Unallocated AFI (excl. RS). The revised budget includes the deletion of Rolling Stock which the FTA has agreed that Rolling Stock for SAS can be provided from NYCT's existing fleet						
**** Includes Independent Engrg. Consultant (IEC).						
***** Unallocated AFI/Contingency funds will be utilized for active contracts Additional Work Order (AWO) needs and/or soft costs. CWB & EACs reflect Rev. 10 Estimate & Soft Costs adjustments. The Unallocated AFI/Contingency based on Rev. 10 EAC total is \$77,441,174.						
***** Under Rev. 10 Estimate approx. \$10.5M was included in FD for Design Consultant (CSS) but funds are encumbered based on Notices to Proceed.						
Note	Baseline Budget to be finalized with the FFGA.					

Summary by FTA Standardized Cost Categories (As of December 31, 2013)

Standardized Cost Category	Baseline FFGA	Current*** Working Budget	Award Value****	Paid to Date
10 Guideway & Track Elements	\$612,404,000	\$642,478,000	\$175,711,569	\$150,496,232
20 Stations, Stops, Terminals, Intermodal	\$1,092,836,000	\$1,277,642,000	\$1,540,566,379	\$814,399,891
30 Support Facilities: Yards, Shops, Admin. Bldgs	\$0	\$0	\$0	\$0
40 Sitework & Special Conditions	\$276,229,000	\$524,561,000	\$715,762,850	\$612,230,826
50 Systems	\$322,707,000	\$250,134,000	\$226,792,205	\$27,623,632
60 ROW, Land, Existing Improvements (incl. Cost-To-Cure & Judlau Contracting)	\$240,960,000	\$281,500,000	\$231,259,139*	\$218,457,841
70 Vehicles **	\$152,999,000	\$0	\$0	\$0
80 Professional Services	\$796,311,000	\$1,026,608,085	\$976,009,476	\$792,764,864
90 Unallocated Contingency	\$555,554,000	\$448,076,915	\$119,591,329	\$107,824,870
Subtotal	\$4,050,000,000	\$4,451,000,000	\$3,985,692,947	\$2,723,798,156
Estimated Financing Cost	\$816,614,000	\$816,614,000		
Total	\$4,866,614,000	\$5,267,614,000	\$3,985,692,947	\$2,723,798,156

- Notes: PE & FD reflected in 80-Prof. Services-Baseline FFGA. As of the 4th Qtr 2013, Contract C26002 - General Conditions paid to-date of \$41.8M was dispersed respectively between SCCs 10, 20, 40 & 50. Contract C26002 Award Value adjustment in the approximation of DCB percentages.
 - Contract C-26006 (63rd St. Reconstruction) DCBs have been revised by the Contractor. Award Values and Expenditures have been adjusted accordingly to SCCs – 20, 40, 50 & 80. Contract C-26010 (96th St-Shell/Finishes/MEP) Award Value was distributed-SCCs approx.-20- (70%)-40 (25%) & 50 (5%) based on official DCBs received from the Contractor.
 - Contract C-26011 (72nd St-Entrances, Ancillary Bldgs, MEPs was distributed-SCCs.-20- (88.3%)-40 (11.7%) based on official DCBs received from the Contractor. Contract C-26012 (8th St-Entrances, Ancillary Bldgs, MEPs was distributed-SCCs.-10 (3.6%), -20 (74.8%), -40 (20.8%) & -80 (0.8%) based on official DCBs received from the Contractor.
 - SCC-90 UC Award Value totals \$119,591,329 and represents all active contracts contingency of the \$230,636,442 budget and \$107.8M in AWOs paid to-date.
 - Baseline budget to be finalized with the FFGA.
 - Award Values fluctuated due to adjustments in approximations of DCB percentages and Contract C26012 finalized DCBs.
 - * Incl. DHA, Design Consultant - (MOD #57) for \$5.7M & Judlau Contracting AWOs for CTC work.
 - ** FTA has agreed that Rolling Stock for SAS can be provided from NYCT's existing fleet.
 - *** The CWB of \$4,451B is based on Rev. 10 Estimate & Soft Costs. RE includes \$36.5M for Cost-to-Cure. The CWB-SCCs were updated prior to award of Contract 2B/2C-96th St. Shell/Finishes/MEP. SAS reassessed the CWB SCCs. The differences in the higher Award Value (i.e. SCCs 20 & 40) in comparison to the CWB's derives from the Engineer's Estimate prior to award and reconciliation with the Contractor(s) SCCs 10-50 reflect 100% construction awards.
 - **** Award Values include all contract awards and encumbered Soft Costs. It also includes the increase in TAL which occurred subsequent to Rev. 9.
- Blue represents revised statement
Pink represents added statement

Quarterly Review Report – 4th Quarter 2013
Current Funding Status (\$ in Millions) **(As December 31, 2013)**

Total Budget (Exclusive of Financing Costs)		\$ 4,451.0			
	<i>Budget</i>	<i>Federal</i>		<i>Local</i>	
MTA Capital Programs		New Starts	ARRA New Start	Other	
– MTA 1995-1999 Capital Program	0	0	0	0	0
– MTA 2000-2004 Capital Program	1,050	307	0	2.5	741.5
– MTA 2005-2009 Capital Program	1,914	988	79	71.5	774.5
– MTA 2010-2014 Capital Program	1,487				1,487
Total Approved Capital Program	\$ 4,451	\$1,295	\$79	\$74	\$3,003
Value of Contract Awards	\$ 3,985.7	100%			
– Federal Share of Contract Awards	817.19	20.5%			
– Local Share of Contract Awards	3,168.51	79.5%			
Value of Finance Charges Incurred (based on prorated share)	\$624.7M				

Summary of Federal Grants Received

Grant No.	FTA Award Date	FFY	Obligation Amount	Disbursement
NY030397 –NEW START	6/13/2002	2002	4.980	4.980
Subtotal NY030397			4.980	4.980
NY030408-00 – NEW START	7/08/2003	2003	1.968	1.968
NY030408-01 – NEW START	09/21/2004	2004	1.967	1.967
NY030408-02 – NEW START	8/04/2006	2006	24.503	24.503
NY030408-03 – NEW START	1/08/2007	n/a*	0.0000	0.000
NY030408-04 – NEW START	4/9/2008	n/a**	0.0000	0.000
NY030408-05 – NEW START	9/25/2008	2008	167.810	167.810
NY030408-06 - NEW START	9/25/2010	2009	274.920	274.920
NY030408-07 – NEW START	9/12/2011	2010	237.849	188.282
NY030408-08 – NEW START	6/22/12	2011	197.182	0
NY030408-09 – NEW START	PENDING	2012	0	0
Subtotal NY030408			906.199	659.450
NY17X00100*** - NON NS	9/15/2005	2005	2.460	2.460
Subtotal of NY17X001			2.460	2.460
NY95X009-00-CMAQ – NON NS (96 th Street Station)	9/12/2008	2008	25.633	25.633
Subtotal of NY95X009-00			25.633	25.633
NY95X015-00 – CMAQ-NON NS (86 th & 96 th Street Stations)	9/22/2009	2009	45.800	45.800
Subtotal of NY95X015-00			45.800	45.800
NY360001 – ARRA – NS (86 th & 96 th Street Stations)	3/2/2010	2010	78.870	78.870
Subtotal of NY360001			78.870	78.870
Total All Grants			1.063.942	817.193

STATUS OF CONTRACTS – ACTIVE CONSTRUCTION

CONSTRUCTION

96th Street Station – Station Finishes, MEP Systems , Ancillary Buildings and Entrances (Contract C-26010)

Contractor: E.E. Cruz/Tully Construction Co. JV **Construction Mgr:** Richard Rohr **Award Date:** June 22, 2012

Description: Contract C-26010 is for the station finishes, installation of mechanical, electrical and plumbing systems in the station, installation of elevators and escalators, utility restoration, construction of the above ground structure of the entrances and ancillary facilities, remaining invert slab, street, sidewalk and tree restoration, and retrofit of the existing tunnel between 99th and 105th Streets and the base slab of the new bored tunnel from 87th to 92nd Streets.

Removal of Struts in Main Station



Progress, Cost and Schedule

Package Milestones C-26010

- Completed approximately 92% of Mezzanine slab pours.
- Completed approximately 100% of 1-sided CIP Wall at the invert level.
- Completed approximately 9% of roof pours.
- Completed 83% of SOE removal in the Main Station.
- Completed 74% of column pours in the Main Station.
- Completed 100% of installation of 6” Dry Fire Stand Pipe (DFSP) and 8” Pump Car Manifold (PCM) in North and South tunnels.
- Completed 57% demolition of CIP diaphragm slabs at Ancillaries 1 & 2.
- Completed 37% of waterproofing on the Contract.
- Completed 51% of chemical grouting at slurry wall panel joints.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #11)
Construction Award	6/22/12	6/22/12	6/22/12 (A)
MS#1-Shared Access 102 nd St.	9/22/13	9/22/13	9/22/13 (A)
MS #2-Shared Access 93 rd St	3/22/14	3/22/14	9/10/14
MS#3-Limited Access E&W Sta	10/22/13	10/22/13	10/18/13 (A)
MS#4-Shared Access E&W Sta	9/22/14	9/22/14	12/11/14
MS#5-Shared Access S. of Sta	2/22/14	2/22/14	2/22/14
MS#6-Full Access Comms Rms	8/22/14	8/22/14	12/02/14
MS#7-Full Access Signal Rms	8/22/14	8/22/14	12/02/14
MS#8-Full Access Traction Pwr	8/22/14	8/22/14	12/02/14
MS#9-Sta Service Centers	11/22/14	11/22/14	6/22/15
MS#10-All Other Locations	9/22/14	9/22/14	2/26/15
Substantial Completion	12/22/15	12/22/15	6/3/16

Percent Complete by invoice construction work 30%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
Construction Bid	\$324,600,000	\$96,214,482	\$324,600,000
Contingency	22,722,000	2,774,405	5,311,210
EFA	9,600,000	1,458,617**	9,600,000
TAL	1,800,000	27,016	1,800,000
Utilities	20,836,734	807,057	20,836,734
Total	\$379,558,734	\$101,281,577	\$362,147,944

*** Includes Consultant Services expenditures*

Construction Costs (\$000) as of 12/31/2013

Construction Bid	\$324,600,000
Construction Bid & Approved/Negotiated AWOs	\$329,911,210
Contingency	22,722,000
Approved & Negotiated AWOs	\$(5,311,210)
Remaining Contingency	\$17,410,790

Additional Work Orders (AWO's):

As of December 31, 2013, forty (40) Additional Work Orders (AWOs) for a total of \$5,311,210 have been approved and/or negotiated.

Safety and Security

- Contractor conducted safety tool box meeting with all crew members every week.
- Contractor secured all equipment/material storage areas at the end of shift.
- CTJV provided key pad lock and brass board tag-in/out at 102nd Street to access the existing tunnel.
- Contractor submitted Safe Work Plans (SWPs) before the start of each major activity that were reviewed and approved by the PB/CCM Safety Manager.

Safety Statistics

(Cumulative Incidents per 200,000 work-hours)

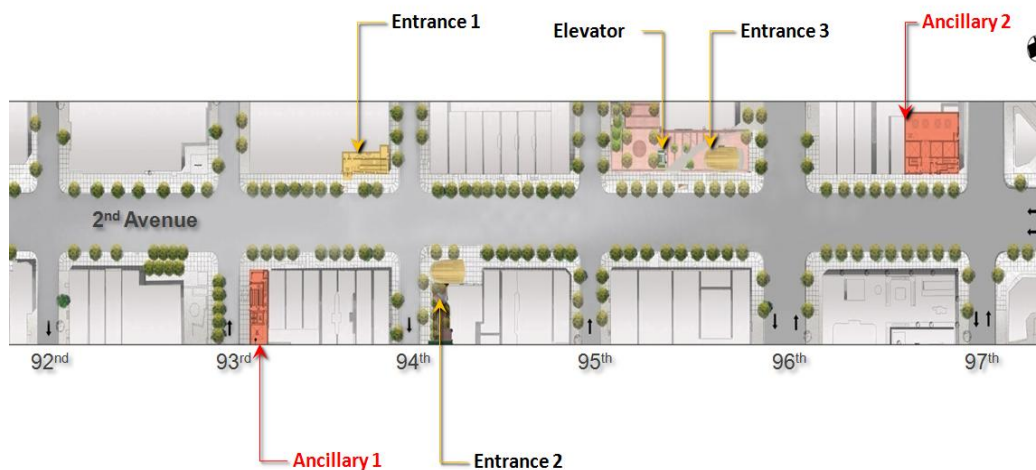
	Project	Contract	BLS*(“10)
OSHA Recordable Incidents	5.50	14.86	3.5
OSHA Lost Time Accidents	2.14	2.12	2.0

* Bureau of Labor Statistics/National Industry Average

Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)

AWO #	Change Order Description	Approved/Negotiated	Cost of AWO's	Impact Cost	Total
2	Change Order Description	Negotiated	\$248,330	\$0	\$248,330
33	North Tunnel Miscellaneous Repairs and New Ladders	Negotiated	\$105,250	\$0	\$105,250
TOTAL			\$353,580	\$0	\$353,580

Site Map

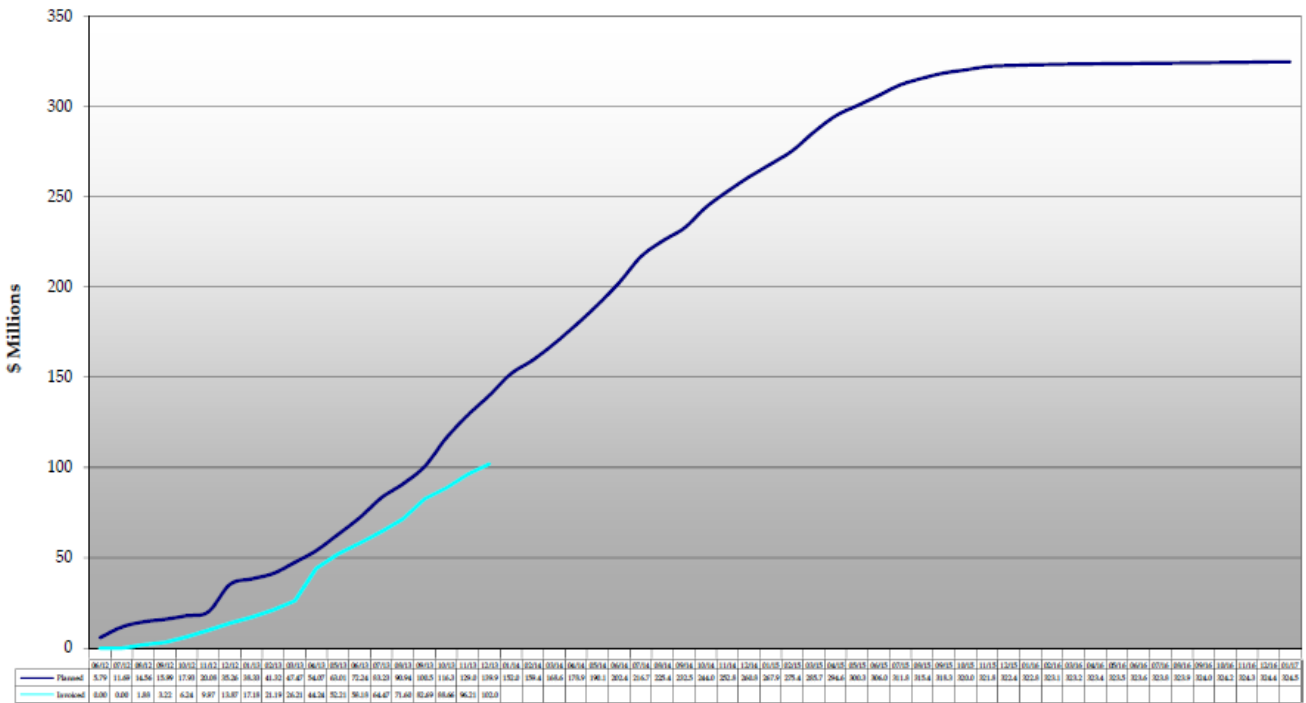


Progress by Invoice

Contract C-26010 – 96th Street Station – Station Concrete, Permanent Utilities, Backfill & Street Restoration, Entrances, Ancillaries, Finishes & MEP Systems



Second Avenue Subway
 Contract C-26010: 96th Street Station Systems & Finishes
 Progress by Invoice - All Activities Up to 12/31/2013



STATUS OF CONTRACTS – ACTIVE CONSTRUCTION

CONSTRUCTION

86th Street Station Civil/Structural Work (Contract C-26008)

Contractor: Skanska/Traylor JV

Construction Mgr: Martin Hall

Award Date: August 4, 2011

Description: Second Avenue Subway Contract C-26008 is for the construction of the station cavern and entrances for the 86th Street Station. The scope of work includes mining of the station cavern, heavy civil work, and construction of the station entrance, ancillary facilities up to the street and elevator shafts.



Entrance 2 Incline mud mat installation (looking east)

Progress, Cost and Schedule

Package Milestones C-26008

- **Station Cavern:** STJV completed the invert plumbing and concrete. STJV continues waterproofing and concrete lining on the Cavern walls and has begun waterproofing installation on the Cavern arches.
- **Entrance 1 (NE corner 83rd Street):** The removal of underpinning and the placement of permanent concrete columns, slabs, walls and beams is ongoing. Placement of invert slabs along the escalator incline in the adit is complete. Installation of waterproofing and reinforcing steel for the remaining structural concrete arches in the adit is underway.
- **Entrance 2 (NE corner of 86th Street):** STJV has completed excavation in the open cut and adit. STJV continues to install invert draining and mudmats.
- **East TBM Tunnel (73rd Street and 83rd Streets):** STJV has completed the first structural invert and beginning to install the structural invert topping slab. Installation of waterproofing and arch concrete liner is underway.
- **Pump Room:** Concrete placement of all invert sections is complete. Installation of concrete walls has begun. STJV has started installing waterproofing on the arch.

Additional Work Orders (AWO's):

As of December 31, 2013, fifty-six (56) Additional Work Orders (AWOs) have been approved and/or negotiated for a total of \$9,618,696.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #28)
Milestone 1 (Complete Station Cavern, Ancillary 1, Entrance 1, Surface Work South 85 th street and 83 rd street West)	3/04/2014	3/04/2014	4/22/2014
Substantial Completion	9/04/2014	9/04/2014	2/10/2015

Percent Complete by invoice construction work 73%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
Construction Bid	\$301,860,000	\$220,733,800	\$301,860,000
Contingency	30,186,000	7,837,767	9,618,696
EFA	4,700,000	1,901,381**	4,700,000
TAL	150,000	1,749	150,000
Utilities	3,914,688	249,093	3,914,688
Total	\$340,810,688	\$230,723,790	\$320,243,384

** Includes Consultant Services expenditures

Construction Costs (\$000) as of 12/31/2013

Construction Bid	\$301,860,000
Construction Bid & Approved/Negotiated AWOs	\$311,478,696
Contingency	\$30,186,000
Approved & Negotiated AWOs	\$(9,618,696)
Remaining Contingency	\$20,567,304

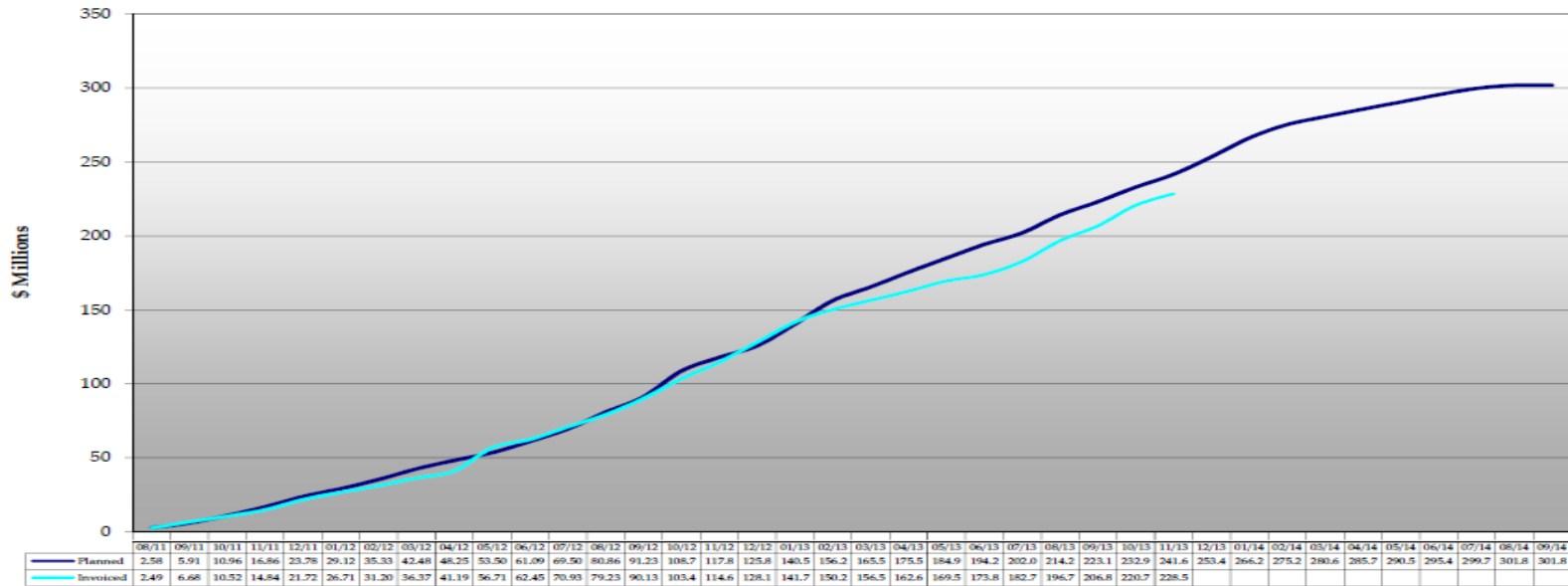
Quarterly Review Report – 4th Quarter 2013

Safety and Security		Safety Statistics <i>(Cumulative Incidents per 200,000 work-hours)</i>		
<ul style="list-style-type: none"> ▪ Monthly site safety walkthroughs conducted. ▪ 3rd quarter (2013) safety audit conducted. ▪ Contractor safe work plans are being submitted and reviewed by the CCM. ▪ Contractor safety updates and discussed at the bi-weekly job progress meeting. ▪ Contractor work zone is secured at the end of the work day. 		Project	Contract	BLS*(“10)
	OSHA Recordable Incidents	5.50	2.93	3.5
	OSHA Lost Time Accidents	2.14	0.52	2.0
	* Bureau of Labor Statistics/National Industry Average			

Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)					
AWO #	Change Order Description	Approved/ Negotiated	Cost of AWO's	Impact Cost	Total
55	Changes to Entrance 2 North SOE Wall (Alternating Pits due to existing sidewalk shed)	Negotiated	\$1,200,000	\$0	\$1,200,000
Total			\$1,200,000	\$0	\$1,200,000

Progress by Invoice
Contract C-26008 – 86th Street Station – Civil/Structural Work

Second Avenue Subway
 Contract C-26008: 86th Street Station Cavern
 Progress by Invoice - Up to 11/30/2013



STATUS OF CONTRACTS – CONSTRUCTION

CONSTRUCTION

86th Street Station – Entrances, Ancillaries, Station Finishes and MEP Systems (Contract C-26012)

Contractor: 86th Street Constructors JV

Construction Mgr: Martin Hall

Award Date: June 12, 2013

Description: Second Avenue Subway Contract C-26012 is for the construction of the ancillary facilities above the street, the installation of station finishes and the mechanical, electrical and plumbing systems for the 86th Street Station. The scope includes the installation of station electrical service, fan plant and pump room equipment, elevators and escalators.



Progress, Cost and Schedule

Package Milestones C-26012

- DBE kick-off meeting was held on 10/ 1/ 13.
- Technical meeting with AAJV on 10/ 3,/13.
- SPJV submitted Baseline schedule, DCB, Contractor’s Quality Program and BIM implementation plan.
- DCB was approved on 11/13/13. Several subcontractors have been submitted for approval.
- First monthly progress meeting was held on 10/ 29/13.
- OCIP and Environmental kick-off meetings were held on 11/13/13.
- Coordination meeting with Arts for Transit group was held on 11/20/13.

Additional Work Orders: None for this quarter.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #29)
Construction Award	5/31/2013	6/12/2013 A	6/12/2013 (A)
Milestone #1 Complete all work/allow "Vehicle Access" btw Sta 1209+00 & 1198+00	31-Oct-14	31-Oct-14	31-Oct-14
Milestone # 2 (North Area) Complete all work/allow "Limited Access" btw Sta 1209+00 & 1198+00	31-Jan-15	31-Jan-15	30-Jan-15
Milestone #3 Complete all work/allow "Shared Access" btw Sta 1209+00 & 1198+00	31-May-15	31-May-15	29-May-15
Milestone #4 Complete all work/allow "Shared Access" btw Sta 1198+00 & 1172+00	31-Oct-14	31-Oct-14	31-Oct-14
Milestone #5 Complete all work/provide "Full Access"/Turnover of Comm Rms @ South End of Station	30-Sep-14	30-Sep-14	01-Oct-14

Quarterly Review Report – 4th Quarter 2013

Milestone #6 Complete all work/provide "Full Access"/Turnover of Comm Rms – all locations except @ South End of Station	31-Mar-15	31-Mar-15	31-Mar-15
Milestone #7 Complete all work/provide "Full Access"/Turnover of Signal Rms located @ 86 th St Station	28-Feb-15	24-Feb-15	24-Feb-15
Milestone #8 Complete all work/provide "Full Access"/Turnover of Signal Rms –all other locations except @ 86 th St Station	28-Feb-15	23-Feb-15	23-Feb-15
Milestone #9 Complete all work in Traction Power Rms @ all locations at North End of Station	28-Feb-15	24-Feb-15	25-Feb-15
Milestone #10 Complete all work in Traction Power Rms @ all locations except at North End of Station	28-Feb-15	23-Feb-15	23-Feb-15
Milestone #11 Complete all work in the Station Service Center(s)	31-Mar-15	31-Mar-15	31-Mar-15
Milestone #14A Provide "Limited" Access to all other locations South of GL #15	30-Sep-15	30-Sep-15	30-Sep-15
Milestone #14B Provide "Limited" Access to all other locations both North & South of GL #15	28-Feb-15	27-Feb-15	27-Feb-15
Milestone #15 Complete Permanent Power Work so that it is available & operational including UPS power.	30-Jun-15	30-Jun-15	30-Jun-15
Substantial Completion	5/31/2016	5/31/2016	5/16/2016 (F)
<i>Percent Complete by invoice construction work 0%</i>			
Package Costs as of 12/31/2013			

Quarterly Review Report – 4th Quarter 2013

	<i>Budget</i>	<i>Expenditure</i>	<i>EAC</i>
Construction Bid	\$208,376,000	\$0	\$208,376,000
Contingency	14,586,320	0	14,586,320
EFA	10,600,000	25,597	10,600,000
TAL	1,800,000	0	1,800,000
Utilities	4,049,188	0	4,049,188
Total	\$239,411,508	\$25,597	\$239,411,508
<i>** Includes Consultant Services expenditures</i>			
Construction Costs (\$000) as 12/31/2013			
Construction Bid			\$208,376,000
Construction Bid & Approved/Negotiated AWO's			\$208,376,000
Contingency			\$14,586,320
Approved & Negotiated AWO's			\$0
Remaining Contingency			\$14,586,320

Safety and Security

Safety Statistics			
<i>(Cumulative Incidents per 200,000 work-hours)</i>			
	Project	Contract	BLS*(“10)
OSHA Recordable Incidents	5.50	0.00	3.5
OSHA Lost Time Accidents	2.14	0.00	2.0
<i>* Bureau of Labor Statistics/National Industry Average</i>			

Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)

AWO #	Change Order Description	Approved/Negotiated	Cost of AWO's	Impact Cost	Total
None for this quarter.					

Site Map



STATUS OF CONTRACTS – ACTIVE CONSTRUCTION

CONSTRUCTION

72nd Street Station - Cavern Mining, G3/G4 Tunnels, and Heavy Civil Structural (Contract C-26007)

Contractor: Schiavone, Shea, Kiewit (JV)

Construction Mgr: Amitabha Mukherjee

Award Date: October 1, 2010

Description: Second Avenue Subway Contract C-26007 is for the construction of the station cavern and G3/G4 tunnels to the existing 63rd Street/Lexington Avenue Station. Major construction work includes tunnel mining, tunnel lining, station cavern, station entrance and elevator shafts. Also includes the demolition of existing buildings at Ancillary 1 and 2 and utility relocation for support of excavation walls.



Installation of Low Bench Concrete in G3 TBM Tunnel

Progress, Cost and Schedule

Package Milestones C-26007

- All work for Milestone 1 which is North of Sta 1167+08.14 is completed and turned over to the follow-on Contract C-26011.
- The last day of concrete placed for a permanent structure was on January 8, 2014.
- The majority of all pre-final inspections were conducted on or before January 14, 2014.
- Substantial Completion was declared on January 14, 2014.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #38)
Construction Award	7/5/2010	10/1/2010	10/1/2010 (A)
Milestone 1	2/5/2012	7/15/2013	8/9/2013 (A)
Substantial Completion	8/5/2013	1/07/2014	1/14/2014 (A)
Option 1	10/1/2011	10/1/2011	10/1/2011 (A)

Percent Complete by invoice construction work 97%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
Construction Bid	\$447,180,260	\$434,727,898	\$447,180,260
Contingency	22,359,013	4,835,496	5,240,514
EFA	7,275,387	5,026,383**	7,275,387
TAL	1,400,000	98,640	1,400,000
Utilities	1,778,208	677,101	1,778,208
Total	\$479,992,868	\$445,365,518	\$462,874,369

** Includes Consultant Services expenditures

Construction Costs (\$000) as of 12/31/2013

Construction Bid	\$447,180,260
Construction Bid & Approved/Negotiated AWO's	\$452,420,774
Contingency	\$22,359,013
Approved & Negotiated AWO's	\$(5,240,514)
Remaining Contingency	\$17,118,499

Additional Work Orders (AWO's):

As of December 31, 2013, seventy-three (73) Additional Work Orders (AWOs) have been approved and/or negotiated for a total of \$5,240,514.

Safety and Security

- As per FDNY recent request, a lock (*contents to include mapping, keys for area*) box continue to be in place at the White Hat locations for emergency access.
- SSK continues to conduct Take 5 safety talks on a daily basis at the start of each day.
- Housekeeping efforts continue to be observed during day time shift at street top/underground operations.
- Perimeter fall (garlocks) protection continues to be implemented at all leading edge hazards at street top/underground operations. A temporary mezzanine deck system continues to be utilized in the main cavern to access the main cavern arch. Lighting continues to be maintained under the deck system. PFAS, PPE, and perimeter fall protection maintained.

Safety Statistics
(Cumulative Incidents per 200,000 work-hours)

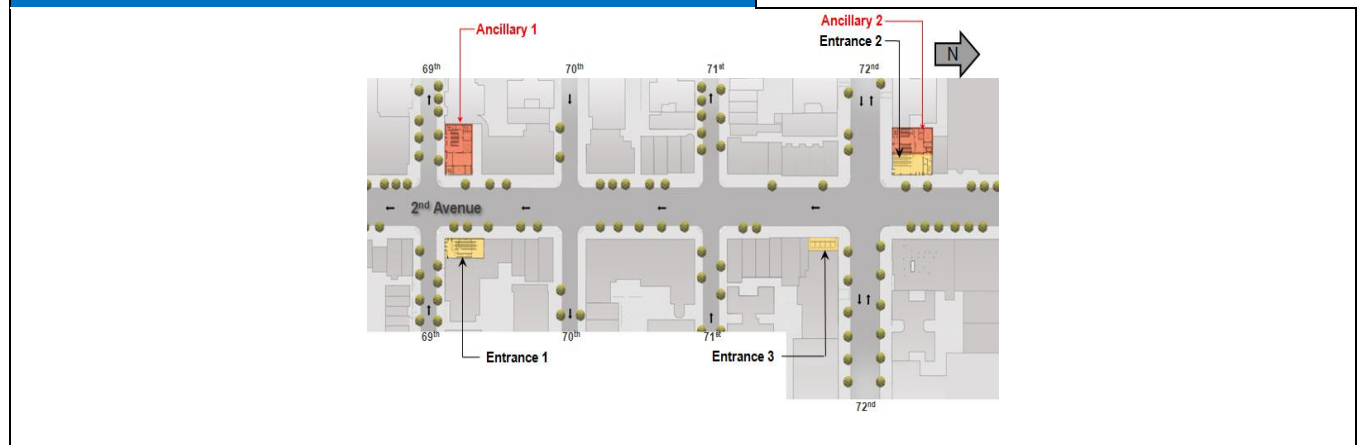
	Project	Contract	BLS*(“10)
OSHA Recordable Incidents	5.50	6.70	3.5
OSHA Lost Time Accidents	2.14	2.98	2.0

* Bureau of Labor Statistics/National Industry Average

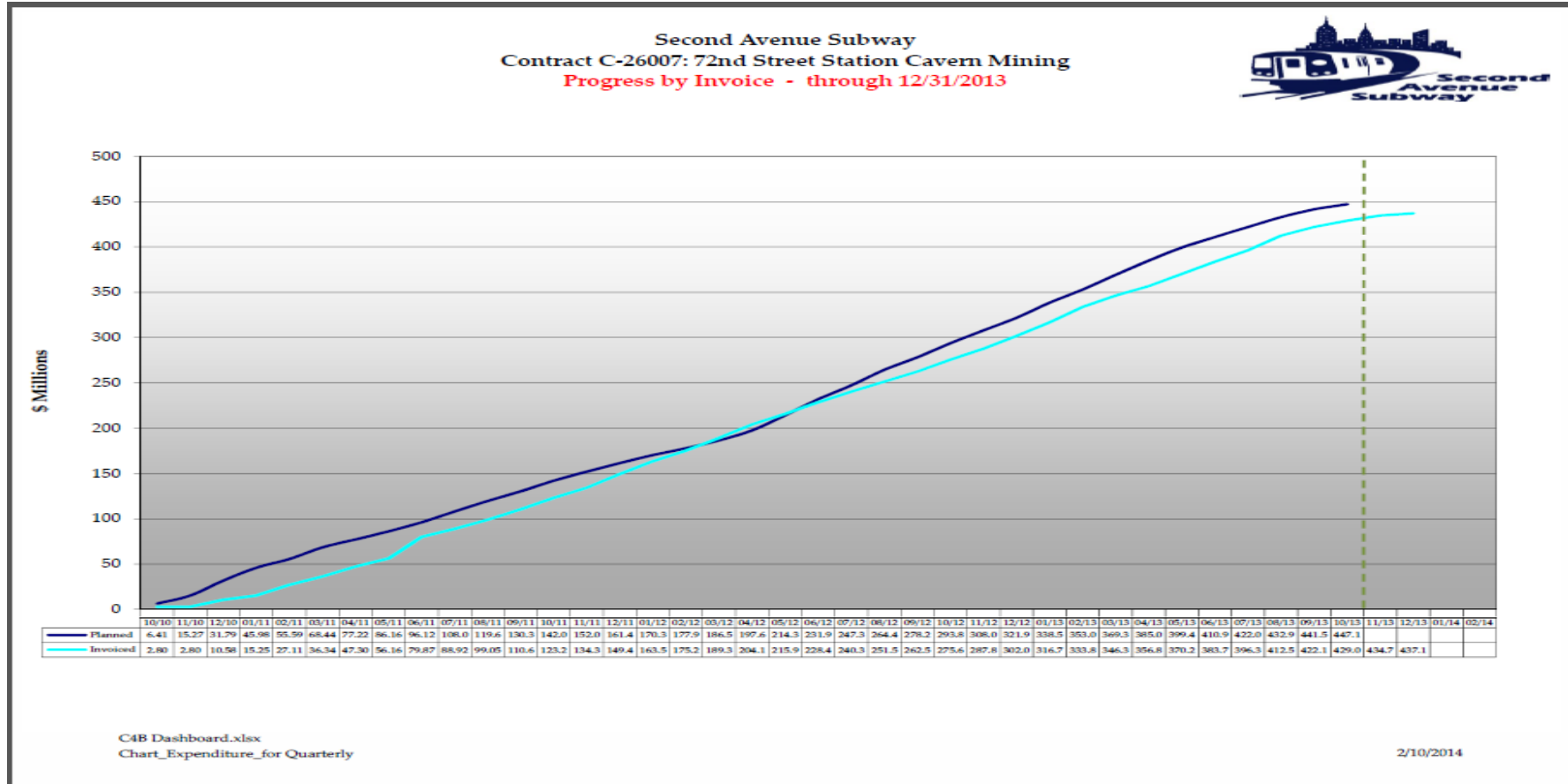
Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)

AWO #	Change Order Description	Approved/ Negotiated	Cost of AWO's	Impact Cost	Total
53	Drug & Alcohol Testing Program	10/29/2013	\$249,951	\$0	\$249,951
42	Implementation of Additional Dust/Smoke Emission Control Measures & Extension of 5 Work Days to Substantial Completion	12/04/2013	\$190,000	\$0	\$190,000
TOTAL			\$439,951	\$0	\$439,951

Site Map



Progress by Invoice
Contract C-26007 – 72nd Street Station - Cavern Mining, G3/G4 Tunnels, and Heavy Civil Structural



STATUS OF CONTRACTS – ACTIVE CONSTRUCTION

CONSTRUCTION

72nd Street Station - Station Finishes, MEP Systems, Ancillary Buildings and Entrances (Contract C-26011)

Contractor: Judlau Contracting, Inc.

Construction Mgr: Amitabha Mukherjee

Award Date: February 14, 2013

Description: Second Avenue Subway Contract C-26011 is for the construction of ancillary facilities, 3 entrances, the installation of station entrances finishes and the mechanical, electrical, and plumbing systems for the 72nd Street Station. Major construction work includes station electrical service, fan plant and pump room equipment, elevators and escalators.

Deck and Formwork for Mezzanine Pour



Progress, Cost and Schedule

Package Milestones C-26011

- Three Mezzanine Deck Pours (50 ft. each) have been placed North of 72nd Street.
- Invert Pressure Relief Piping and Waterproofing installation at the Ancillary 2 shaft (NW Corner of 72nd St. and 2nd Ave) is ongoing.
- Drainage Piping and Waterproofing installation at the Entrance 3 Shaft (SE Corner of 72nd St. and 2nd Ave) is ongoing.
- The lower mezzanine invert slab and the first section of walls at Entrance 3 have been poured.
- Manhole 72-1 and associated piping has been installed in the center of 2nd Avenue at 72nd St.
- The majority of Track Wall Precast Panels have been delivered to the site.
- Geotechnical Instrumentation North of 72nd St. has been turned over to C26011 Contractor.
- Pre-Construction surveys of the buildings to be monitored are ongoing.

Additional Work Orders (AWO's):

As of December 30, 2013, eight (8) Additional Work Orders (AWOs) have been approved and/or negotiated for a total of \$32,062.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Re-Baseline)
Notice of Award	2/14/2013	2/4/2013	2/14/2013 (A)
M#1 Complete work to allow Vehicle Access btw 1172+40 & 1163+00	2/14/2014	2/14/2014	
M#2 Complete work to allow Limited Access btw 1172+40 & 1163+00	6/14/2014	6/14/2014	
M#3 Complete work to allow Shared Access btw 1172+40 & 1163+00	11/29/2014	11/29/2014	
M#4 Complete work to allow Vehicle Access btw 1163+00 & 1148+00	2/14/2014	2/14/2014	
M#5 Complete work to allow Limited Access btw 1163+00 & 1148+00	4/14/2014	4/14/2014	
M#6 Complete work to allow Shared Access btw 1163+00 & 1148+00	6/14/2014	6/14/2014	
M#7 Complete Work in all Comm. Rooms to Allow Full Access	8/29/2014	8/29/2014	
M#8 Complete Work in Signal Rooms to Allow Full Access	7/14/2014	7/14/2014	
M#9 Complete Work in All Signal Rooms to Allow Full Access	9/29/2014	9/29/2014	
M#10 Complete work in all Traction Power Rooms @ N. End of Sta to allow Full Access	10/29/2014	10/29/2014	
M#11 Complete work in all Traction Power Rooms S. of Sta & 63 rd St. to allow Full Access	11/29/2014	11/29/2014	
M#12 Complete work in all Station Service Centers to allow Full Access	8/29/2014	8/29/2014	
M#13 Complete work in all Lubrication Rooms to allow Full Access	8/29/2014	8/29/2014	
M#14 Complete work in all Other Traction Power/Signal/Comm. Rooms to allow Full Access	8/29/2014	8/29/2014	
Substantial Completion	11/13/2015	11/13/2015	

Percent Complete by invoice construction work 4%

Package Costs as of 12/31/2013

Quarterly Review Report – 4th Quarter 2013

	<i>Budget</i>	<i>Expenditure</i>	<i>EAC</i>
Construction Bid	\$258,353,000	\$11,261,210	\$258,353,000
Contingency	\$18,085,000	\$0	\$32,062
EFA	\$8,500,000	\$222,805	\$8,500,000
TAL	\$2,000,000	\$0	\$2,000,000
Utilities	\$3,333,830	\$0	\$3,333,830
Total	\$290,271,830	\$11,484,015	\$272,218,892
<i>** Includes Consultant Services expenditures</i>			
Construction Costs (\$000) as of 12/31/2013			
Construction Bid			\$258,353,000
Construction Bid & Approved/Negotiated AWO's			\$258,385,062
Contingency			\$18,085,000
Approved & Negotiated AWO's			\$32,062
Remaining Contingency			\$18,052,938

Safety and Security

- A full time Contractor Safety Engineer has been approved.
- 21 Safe Work Plan's (SWP) have been submitted by Judlau.
- Drug & Alcohol Testing is ongoing.
- Daily Safety Inspections are ongoing.

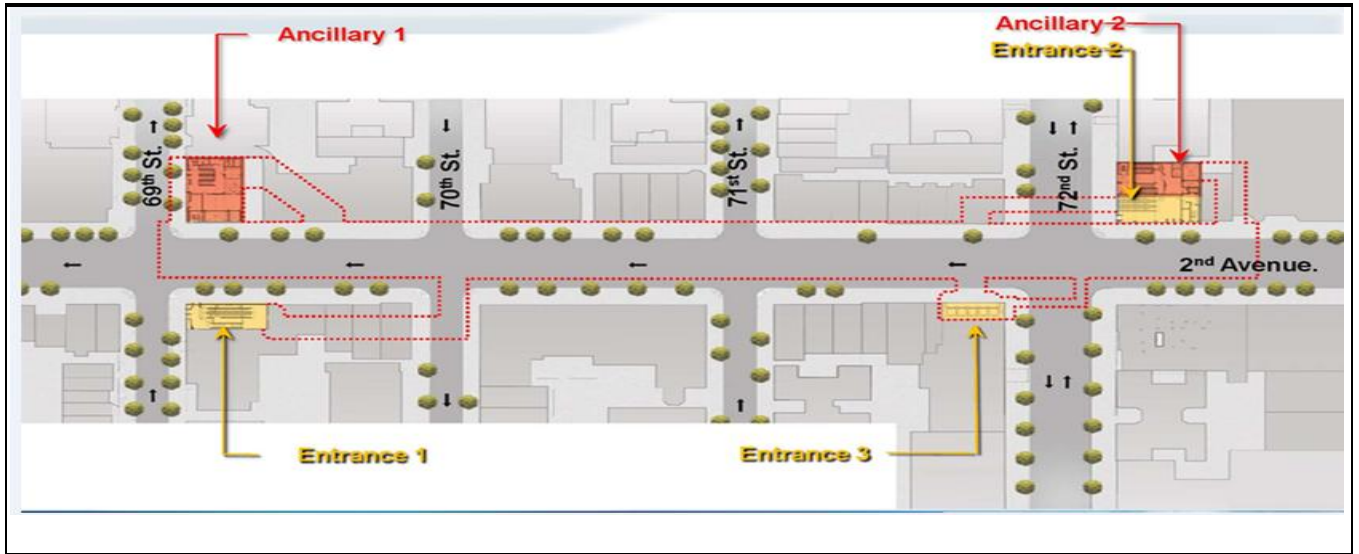
Safety Statistics
(Cumulative Incidents per 200,000 work-hours)

	Project	Contract	BLS*(¹⁰)
OSHA Recordable Incidents	5.50	9.29	35
OSHA Lost Time Accidents	2.14	4.64	2.0

** Bureau of Labor Statistics/National Industry Average*
Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)

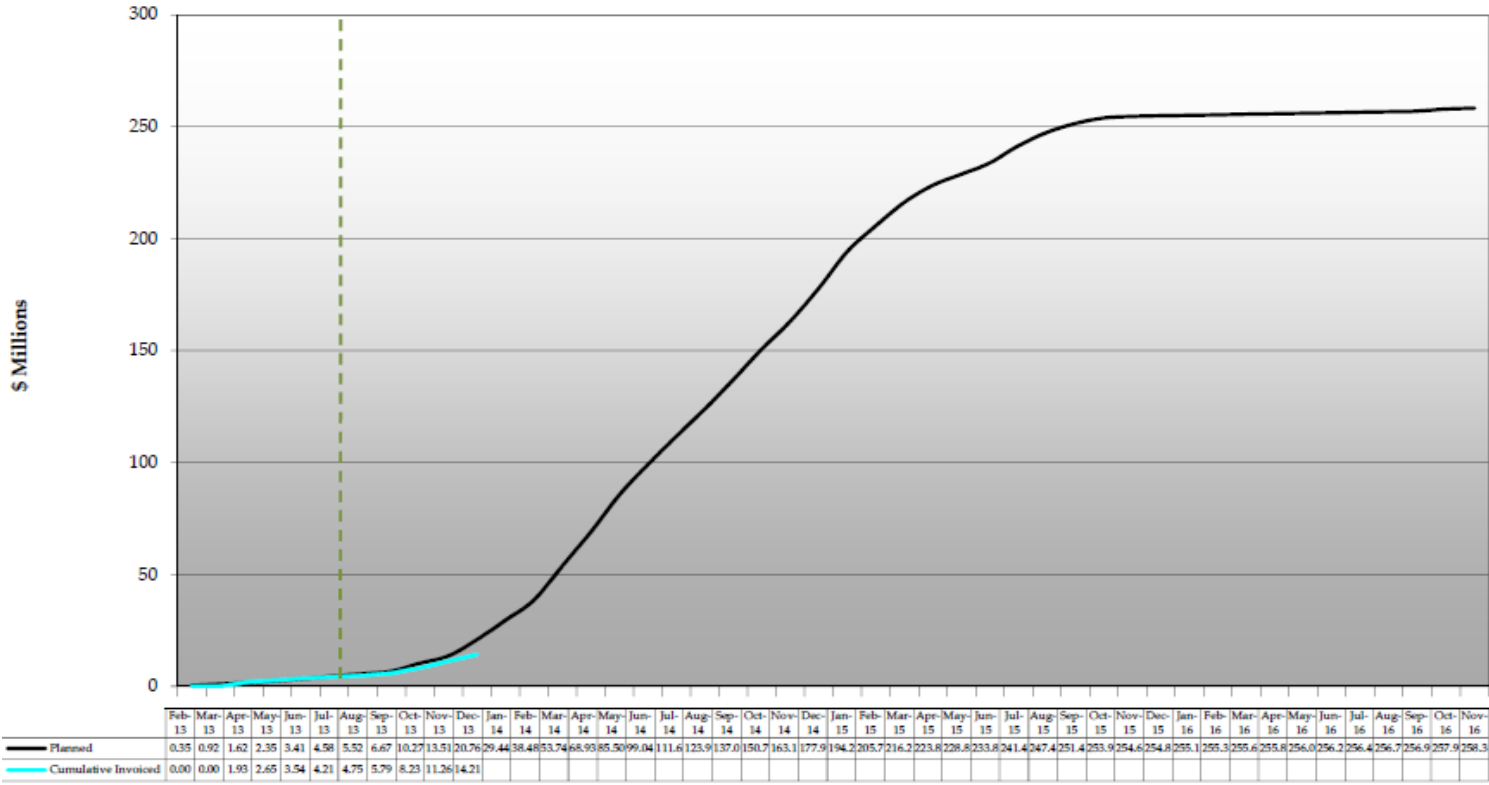
AWO #	Change Order Description	Approved/Negotiated	Cost of AWO's	Impact Cost	Total
None for this quarter.					

Site Map



Quarterly Review Report – 4th Quarter 2013

Second Avenue Subway
Contract C-26011: 72nd Street Station Station Finishes, Mechanical,
Electrical and Plumbing Systems, Ancillary Buildings and Entrances
Progress by Invoice - All Activities - through 11/30/2013



STATUS OF CONTRACTS – ACTIVE CONSTRUCTION

CONSTRUCTION

63rd Street Station Reconstruction/Lexington Avenue Station (Contract C-26006)

Contractor: Judlau Contracting

Construction Mgr: David Frank

Award Date: January 13, 2011

Description: Second Avenue Subway Contract C-26006 includes the reconstruction of the existing 63rd Street/Lexington Avenue Station. The work within this contract involves open-cut excavation for the construction of entrance and ancillary facilities, removal and upgrade of the structural elements within the existing tunnel, and a traction power connection to the Lexington Avenue Station on the Q Line.



Duct Installation at Upper Platform.

Progress, Cost and Schedule

Package Milestones C-26006

- Continued CMU installation at various levels.
- Completed relocation of buildings Gas Meters and Verizon at Entrance 1.
- Continued relocation of water utility at Entrance 1.
- Completed installation of Rock Anchors at Entrance 1.
- Completed Micro Pile installation at Ancillary 2 and started concrete placement at this location.
- Completed installation of platform link stairs S41, S42 and S45 and placed in service.
- Continued installation of Service Carriers at Upper Platform (G3/T1). Started installation of Ductwork on Service Carriers at Upper Platform (G3/T1).
- Mechanical, Electrical, Plumbing and Architectural finishes throughout the station areas continue.

Additional Work Orders (AWO's):

As of December 31, 2013, sixty-five (65) Additional Work Orders (AWOs) have been approved and/or negotiated (excl. Cost-to-Cure) for a total of \$7,559,757.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Re-Baseline#25)
Milestone 1&2 - G3 (Upper Level), G4(Lower Level) and Vent Shaft	1/14/2013	1/14/2013	NA (Milestones Eliminated as part of MOU w/C-26007))
Milestone 3 - Mezzanine, Levels, Communication Rooms, and Station Service Center	4/15/2013	4/15/2013	7/31/2014
Milestone 4 - Lower and Upper Platforms and Signal Rooms	10/15/2013	10/15/2013	7/31/2014
Milestone 5 – Complete all work in Underground Parking Garage	8/30/2013	8/30/2013	12/30/2013 (A)
Milestone 6 – Complete all work at Ancillary #1	9/12/2012	9/12/2012	10/31/2013 (A)
Substantial Completion	5/13/2014	5/13/2014	6/15/2015

Percent Complete by invoice construction work 65%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
	Budget	Expenditure	EAC
Construction Bid	\$176,450,000	\$114,294,699	\$176,450,000
Contingency	8,822,500	3,852,493	7,559,757
EFA	7,700,000	4,848,511**	7,700,000
TAL	8,400,000	5,939,495	8,400,000
Utilities	1,523,305	0	1,523,305
Total	\$202,895,805	\$128,935,198	\$201,633,062

** Includes Consultant Services expenditures

Construction Costs (\$000) as of 12/31/2013

Construction Bid	\$176,450,000
Construction Bid & Approved/Negotiated AWO's	\$184,009,757
Contingency	\$8,822,500
Approved & Negotiated AWO's	\$(7,559,757)
Remaining Contingency	\$1,262,743

Safety and Security

- Coordination with FDNY Ladder 16 for monthly walkthroughs of site/structure.
- Ongoing weekly walkthrough with the Contract Safety Manager/Supervisor

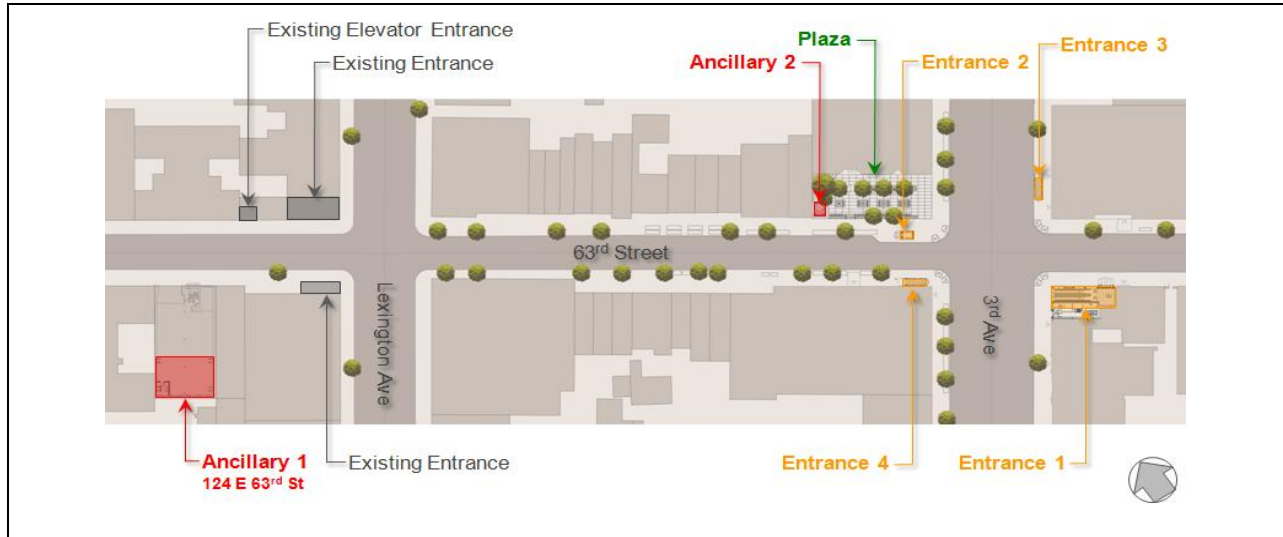
Safety Statistics
(Cumulative Incidents per 200,000 work-hours)

	Project	Contract	BLS*(“10)
OSHA Recordable Incidents	5.50	2.16	3.5
OSHA Lost Time Accidents	2.14	1.80	2.0

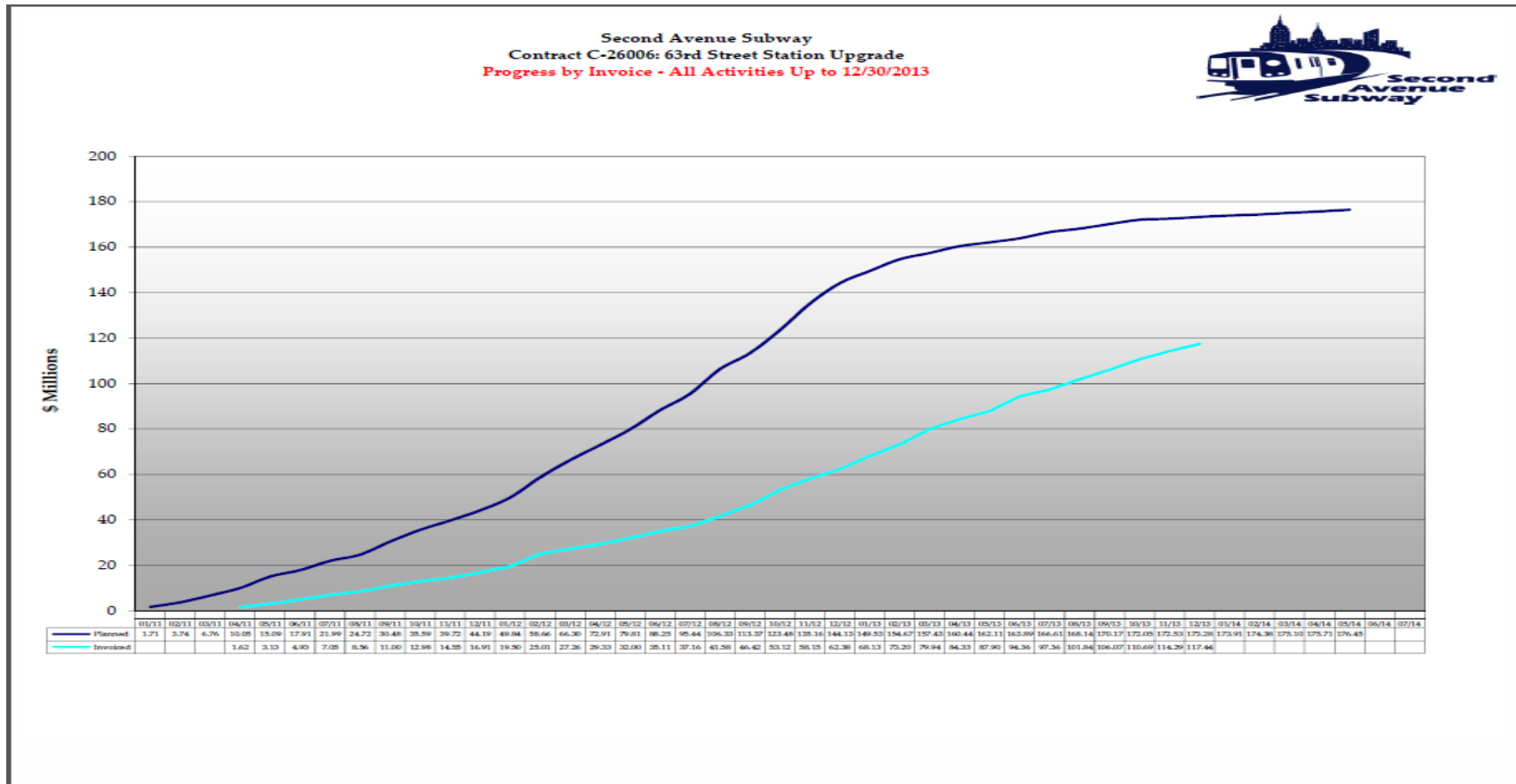
**Bureau of Labor Statistics/National Industry Average*
Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)

AWO #	Change Order Description	Approved/ Negotiated	Cost of AWO's	Impact Cost	Total
21	Drug & Alcohol Testing	10/25/13	\$243,345	\$0	\$243,345
52	Cooling Tower Railings & Relocation	11/19/13	\$127,000	\$0	\$127,000
72	Traction Wall Tile Gap Reduction	10/11/13	\$160,000	\$0	\$160,000
74	Duct Work & Service Carrier	12/19/13	\$396,000	\$0	\$396,000
77	Track Wall Demolition & G4 Low Bench	12/6/13	\$176,000	\$0	\$176,000
78	Overtime Differential Costs at Entrance 1	11/19/13	\$103,000	\$0	\$103,000
94	Relocation of Upper Platform Conduit	12/5/13	\$227,800	\$0	\$227,800
TOTAL		\$	\$1,433,145	\$0	\$1,433,145

Site Map



Progress by Invoice
Contract C-26006 – 63rd Street Station – Reconstruction/Lexington Avenue Station



STATUS OF CONTRACTS – ACTIVE CONSTRUCTION

CONSTRUCTION

Systems - Track, Power, Signals and Communications (Contract C-26009)

Contractor: Comstock Skanska JV **Construction Mgr:** Vyomesh Shah **Award Date:** January 18, 2012

Description: Second Avenue Subway Contract C-26009 is for the construction of the tracks, signals, traction power and communication network and equipment for the Phase 1 stations. The scope of work includes the installation of the low-vibration track, aluminum rail, way-side signals, and all communication components. This contract also includes the integration of the communication network with the Mechanical – Electrical – Plumbing Supervisory Control and Data Acquisition (MEP SCADA) system and commissioning systems for revenue service.



Track S2 Rails on Both Sides of Tunnel

Progress, Cost and Schedule

Package Milestones C-26009

- **General:** Continued review of submittals and coordination of Stations Contracts shop drawings.
- **Traction Power:** Installed 90% of brackets for negative traction power conduits on Tracks S1/S2 from 99th to 105th Streets. Completed Factory Acceptance Test (FAT) for Rectifiers, AC switchgears & SCADA for 72nd, 86th and 96th Streets. Submitted 60% design for 72nd Street Traction Power Substation for Con Ed approval.
- **Communication:** Pulled fiber optic cable from 105th St to 97th St. Completed FAT on network equipment for 63rd Street & delivered this equipment to the communication rooms. Began FAT on Intrusion Access Control Equipment.
- **Signal – 63rd St. Station:** Installed rack steel in the 63rd St. Signal Room. Completed FAT for relay racks and delivered relay racks to be installed at 63rd St. and Lexington Upper and Lower Level Relay Rooms.
- **Track:** All rails needed for 87th to 105th Streets have been delivered to the site and the rail welding from 87th to 105th Streets has been completed. The track alignment and survey of 97th to 105th Street has been submitted and is under review. 90% of track work completed at 63rd Street. Two or three Special Work Portions have been inspected.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #10)
Construction Award	1/18/2012	1/18/2012	1/18/2012 A
Milestone 1	8/18/2012	8/18/2012	9/10/2012 A
Milestone 2A/2B (LAN & WAN)	5/18/2015	5/18/2015	5/18/2015
Milestone 3A/3B (LAN & WAN)	7/18/2015	7/18/2015	7/18/2015
Milestone 4A/4B (LAN & WAN)	2/18/2015	2/18/2015	2/18/2015
Milestone 5A/5B (LAN & WAN)	4/18/2014	4/18/2014	10/3/2014
Milestone 5C (All 63 rd St Systems)	4/18/2014	4/18/2014	11/13/2014
Substantial Completion	8/18/2016	8/18/2016	8/18/2016

Percent Complete by invoice construction work 18%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
Construction Bid	\$261,900,000	\$46,070,378	\$261,900,000
Contingency	20,952,000	450,921	2,784,131
EFA	31,700,002	5,075,458**	31,700,002
TAL	8,241,000	746,503	8,241,000
Utilities	870,750	0	870,750
Total	323,663,752	60,434,125	305,495,883

** Includes Consultant Services expenditures

Construction Costs (\$000) as of 12/31/2013

Construction Bid	\$261,900,000
Construction Bid & Approved/Negotiated AWOs	\$264,684,131
Contingency	\$20,952,000
Approved & Negotiated AWOs	\$(2,784,131)
Remaining Contingency	\$18,167,869

Quarterly Review Report – 4th Quarter 2013

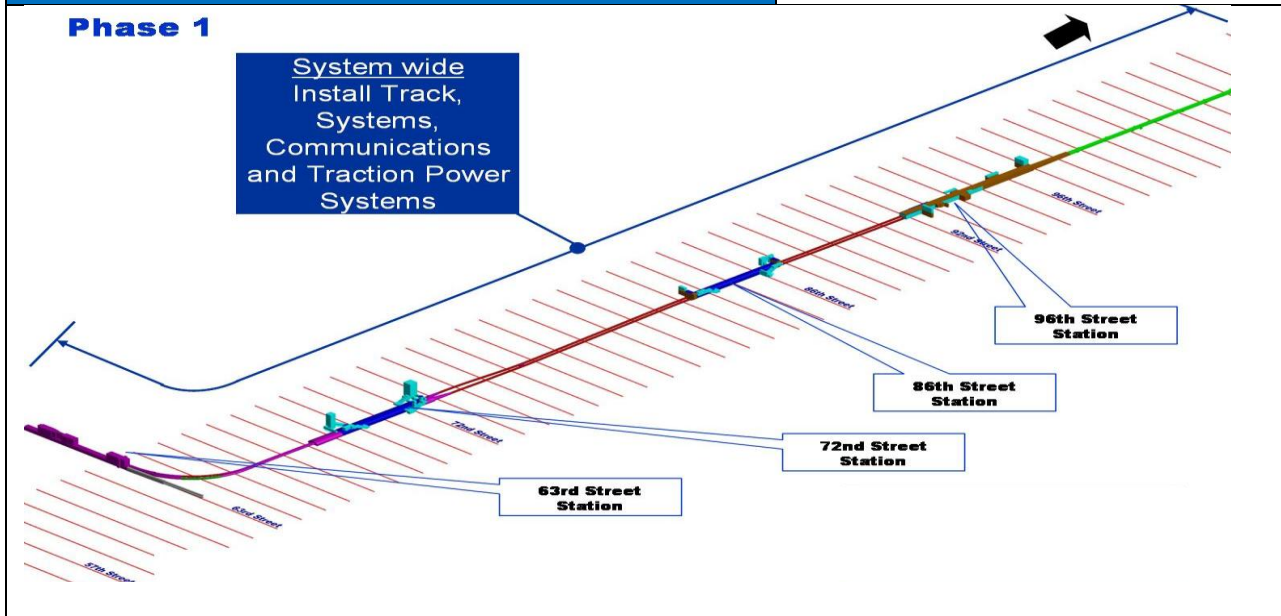
<p>Additional Work Orders (AWO's): As of December 31, 2013, twenty-one (21) Additional Work Orders (AWOs) have been approved and/or negotiated for a total of \$2,784,131.</p>	
---	--

Safety and Security				
<ul style="list-style-type: none"> ▪ None for this quarter. 	Safety Statistics <i>(Cumulative Incidents per 200,000 work-hours)</i>			
		Project	Contract	BLS*(“10)
	OSHA Recordable Incidents	5.50	1.22	3.5
	OSHA Lost Time Accidents	2.14	1.22	2.0
	* Bureau of Labor Statistics/National Industry Average			

Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)					
AWO #	Change Order Description	Approved/ Negotiated	Cost of AWO's	Impact Cost	Total
2	Communication, Traction Power and SCADA Changes (Mod #67)	Negotiated	\$348,500	\$0	\$348,500
12	Emergency Alarm Recorder/Repeater Replacement at 370 Jay Street, Brooklyn	Negotiated	\$384,900	\$0	\$384,900
13	Resolution of rack Invert Conduit Installation Dispute	Negotiated	\$385,000	\$0	\$385,000
Total			\$1,118,400	\$0	\$1,118,400

Site Map

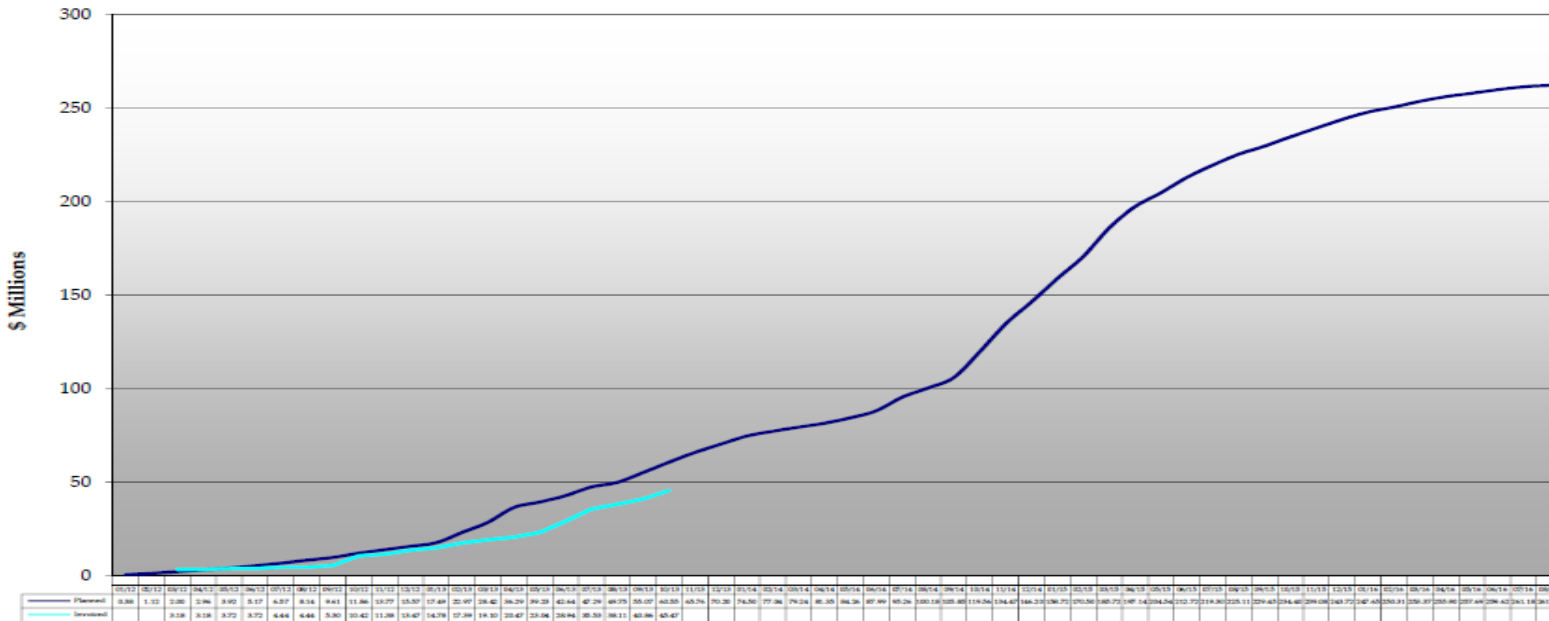
Phase 1



Progress by Invoice

Contract C-26009 – Systems - Track, Power, Signals and Communications

Second Avenue Subway
 Contract C-26009: Track, Signals, Traction Power and Communications
 Progress by Invoice - Up to 10/31/2013



STATUS OF CONTRACTS – CLOSED

CONSTRUCTION

TBM Tunnels from 92nd Street to 63rd Street (Contract C-26002)

Contractor: S3 Tunnel Constructors JV (S3TC) *Construction Mgr:* Richard Roberts *Award Date:* March 20, 2007

Description: Second Avenue Subway Contract C-26002 includes construction of tunnels between 92nd Street and the existing Lexington Avenue/63rd Street Station using a Tunnel Boring Machine and other mining methods. It includes all preparatory work for tunneling, such as MPT, utility relocation and construction of a TBM Launch Box from 92nd to 95th Street. It also includes construction of access shafts at 69th and 72nd Streets.



Progress, Cost and Schedule

- Capital Payments issued “Contract Release” on October 25, 2013. It was executed by the Contractor and MTACC Legal on November 1, 2013.
- The Final Payment Certificate was executed on November 12, 2013. This Contract is officially closed out.

Additional Work Orders (AWO’s):
None for this quarter.

THIS WILL BE THE LAST REPORT FOR CONTRACT C-260002.

Package Milestones C-26002

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #57)
Construction Award	03/2007	03/20/2007 A	03/20/2007 (A)
Milestone 1 (Launch Box & 1 st TBM drive from 92 nd to 63 rd St)	12/2009	09/28/2010	3/31/2011 (A)
Substantial Completion	07/2010	07/20/2011	3/30/12 (A)

Percent Complete by invoice construction work 100%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
Construction Bid	\$337,025,000	\$337,025,000	\$337,025,000
Contingency	41,086,648	41,086,648	41,086,648
EFA	7,352,364	7,151,203**	7,352,364
TAL	156,858	156,858	156,858
Utilities	29,863,550	26,180,922	29,863,550
Total	\$415,484,420	\$411,600,631	\$415,484,420

** Includes Consultant Services expenditures

Construction Costs (\$000) as of 12/31/13

Construction Bid	\$ 337,025,000
Construction Bid & Approved/Negotiated AWOs	\$378,111,648
Contingency	\$41,086,648
Approved & Negotiated AWOs	\$ (41,086,648)
Remaining Contingency	\$0

STATUS OF CONTRACTS – CLOSED

CONSTRUCTION

**86th Street Station – Excavation, Utility Relocation, and Road Decking
(Contract C-26013)**

Contractor: J. D’Annunzio & Sons, Inc. **Construction Mgr:** Phil Rice **Award Date:** July 8, 2009

Description: Second Avenue Subway Contract C-26013 is for utility relocation, open excavation and road decking. The scope of this contract is to prepare the site and provide access for the subsequent Cavern and MEP contracts.
NOTE: Federal Funding from the American Recovery and Reinvestment Act (ARRA) were approved for this contract on March 5, 2010 in the amount of \$9,626,113.



Progress, Cost and Schedule

Package Milestones C-26013

- Final Payment certificate was executed on 6/28/2013. Contract is closed.
- MTA Department of Diversity and Civil Rights (DDCR) issued “summary M/W/DBE Goals Compliance Evaluation” and a final acceptance letter for M/W/DBE Goals Compliance. MTA Risk & Insurance Management Department issued approval letter for closeout of Contract C-26013.
- Comments on Con Ed’s final invoices were forwarded to Con Edison on May 7, 2013. Upon receipt of Con Ed’s confirmation, invoices will be paid.
- Received ECS acceptance letter. Supporting documents for final invoice is awaited from ECS.
- JDSI submitted signed final payment on May 10, 2013. A complete final package with closeout documents was submitted to Closeout group on May 13, 2013 which was then forwarded to Capital Payments on May 14, 2013.
- Provided additional documents and clarifications to Capital Payment prior to “Release” document.
- Final Payment certificate was executed on 06/28/2013. This Contract is officially closed.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #29)
Construction Award	6/15/2009	7/8/2009 A	7/8/2009 (A)
Milestone #1	4/15/2010	5/7/2010 *	N/A
Milestone # 2 (North Area)	11/15/2010	12/8/2010	11/1/2011 (A)
Substantial Completion	1/15/2011	2/7/2011	11/16/2011 (A)

Percent Complete by invoice construction work 100%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
Construction Bid	\$34,070,039	\$34,070,039	\$34,070,039
Contingency	6,562,961	6,525,471	6,525,471
EFA	2,905,333	2,861,351**	2,905,333
TAL	5,498	5,498	5,498
Utilities	8,090,865	8,090,865	8,090,865
Total	\$51,634,696	\$51,553,224	\$51,597,206

** Includes Consultant Services expenditures

Construction Costs (\$000) as 12/31/2013

Construction Bid	\$34,070,039
Construction Bid & Approved/Negotiated AWO's	\$40,595,510
Contingency	\$6,562,961
Approved & Negotiated AWO's	\$(6,525,471)
Remaining Contingency	\$37,490

Additional Work Orders; None for this quarter
THIS WILL BE THE LAST REPORT FOR CONTRACT C-26013.

STATUS OF CONTRACTS – SUBSTANTIAL COMPLETION
CONSTRUCTION
96th Street Station Heavy Civil, Structural and Utility Relocation (Contract C-26005)
Contractor: E.E. Cruz/Tully Construction Co. JV

Construction Mgr: Richard Rohr

Award Date: May 28, 2009

Description: Second Avenue Subway Contract C-26005 is for the heavy civil/structural construction involving utility relocation, demolition of existing buildings, underpinning, slurry wall construction, excavation, and station invert slab of the 96th Street main station box, entrances and ancillary facilities.

NOTE: Federal Funds from the American Recovery and Reinvestment Act (ARRA) were approved for this contract on March 5, 2010 in the amount of \$69,243,887.

CMU Wall Installation at Entrance 1.


Progress, Cost and Schedule
Package Milestones C-26005

- Completed concrete placement for Walls 11 and 12 in Rainbow Hardware.
- Completed waterproofing at Rainbow Hardware.
- Completed CMU wall installation at Rainbow Hardware.
- Continued with NYCT invert track drainage inspection.
- Substantial Completion was declared on November 5, 2013.

Additional Work Orders (AWO's):

As of December 31, 2013, one hundred and forty-nine (149) Additional Work Orders (AWOs) for a total of \$41,395,350 have been approved and/or negotiated.

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast (Schedule Update #50)
Construction Award	10/31/2008	5/28/2009	5/28/2009 (A)
Milestone #1 (North Station Area – 97 th to 99 St. Work)	10/20/2010	4/22/2013	8/19/2013 (A)
Milestone 2 (Ancillary 1, Entrance 1 and 2, & South St. Area but excl. Opt 2)	4/21/2011	8/7/2012	11/5/2013 (A)
Substantial Completion	1/11/2012	4/22/2013	11/5/2013 (A)

Percent Complete by invoice construction work 99%

Package Costs as of 12/31/2013

	Budget	Expenditure	EAC
Construction Bid	\$325,000,000	\$322,155,560	\$325,000,000
Contingency	45,274,000	40,424,179	41,395,350
EFA	5,066,914	4,700,408**	5,066,914
TAL	500,000	56,856	500,000
Utilities	17,324,882	9,040,552	17,324,882
Total	\$393,165,796	\$376,377,555	\$389,287,146

** Includes Consultant Services expenditures

Construction Costs (\$000) as of 12/31/2013

Construction Bid	\$303,863,700
Option 1	\$17,526,300
Option 2	\$3,610,000
Construction Bid (Includes Options)	\$325,000,000
Construction Bid/Options & Approved/Negotiated AWOs	\$366,395,350
Contingency	\$45,274,000
Approved & Negotiated AWOs	\$(41,395,350)
Remaining Contingency	\$3,878,650

--	--	--

Safety and Security

- The Contractor conducted safety tool box meetings with all crew members every week.
- Contractor secured all equipment/material storage areas at the end of shift.
- Contractor submitted Safe Work Plans (SWPs) before the start of each major activity that were reviewed and approved by the PB/CCM Safety Manager.

Safety Statistics

(Cumulative Incidents per 200,000 work-hours)

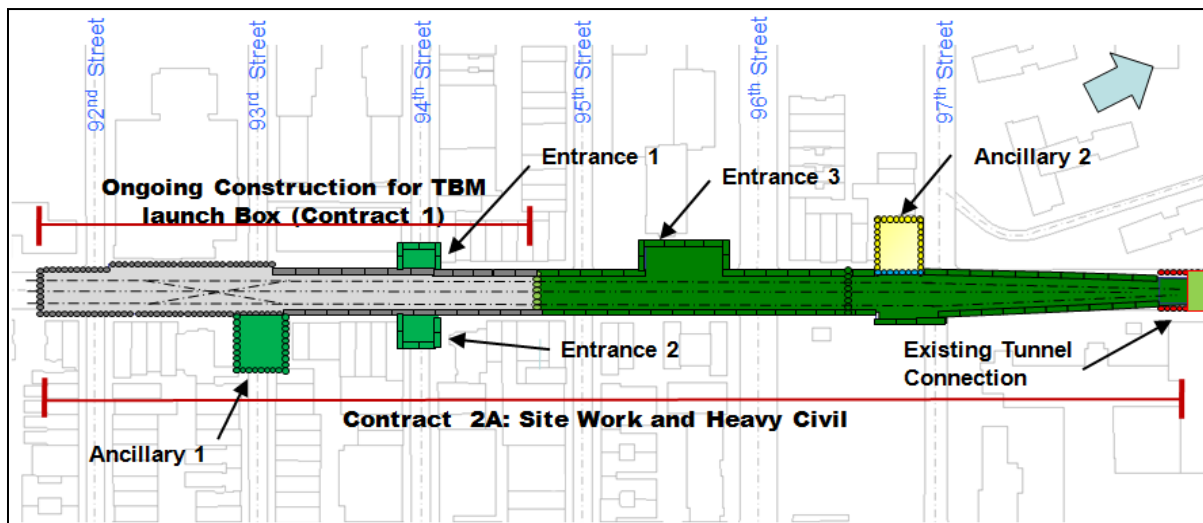
	Project	Contract	BLS*(“10)
OSHA Recordable Incidents	5.50	6.59	3.5
OSHA Lost Time Accidents	2.14	.85	2.0

* Bureau of Labor Statistics/National Industry Average

Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)

AWO #	Change Order Description	Approved/ Negotiated	Cost of AWO's	Impact Cost	Total
91	Gas Main Re-design at A1, E1 and E2	Approved	\$281,073	\$0	\$281,073
112	Mini Secant Piles at E1	Approved	\$115,000	\$0	\$115,000
152	Higher Top of Rock at A1	Approved	\$105,000	\$0	\$105,000
164	Micropile Installation Issues at Rainbow Hardware	Approved	\$120,000	\$0	\$120,000
TOTAL			\$621,073	\$0	\$621,073

Site Map



FIRST QUARTER 2014 – LOOK AHEAD**Construction****96th Street Station Heavy Civil/Structural Work (Contract C-26005)**

- Complete NYCT track drainage testing and inspection.
- CTJV to address punch list items prepared by the CCM team.
- Continue C2A contract close-out.

96th Street Station Finishes (Contract C-26010)

- Continue with the mezzanine slab and roof pours.
- Start waterproofing for the roof slab.
- Start shotcrete smoothing layer in the station area.
- Complete grounding grid installation for mezzanine slabs and subsequent inspection by Con Edison.
- Start shotcrete smoothing layer in the station area.
- Complete grounding grid installation for mezzanine slabs and subsequent inspection by Con Edison.

86th Street Station Civil/Structural Work (Contract C-26008)

- Continue installing waterproofing and structural concrete wall and arch sections.
- Begin installing waterproofing and placement of structural concrete arch sections.
- Continue mud mat installation for the Entrance 2 incline and install invert concrete slabs.
- Continue installing the new structure at Entrance 1. STJV will continue placing structural arch section in the East TBM Tunnel and pump room.

72nd Street Station: Cavern Mining, G3/G4 Tunnels, and Heavy Civil Structural (Contract C-26007)

- Contract is expected to declare Substantial Completion by January 14, 2014.
- Final Inspections and Punch list work will be closed out.

72nd Street Station: Entrances, Ancillaries, Station Finishes and MEP Systems (Contract C-26011)

- The Contractor will continue to pour Mezzanine slabs at an approximate rate of 1 pour per week.
- Waterproofing and drainage of Entrance 3 and Ancillary 2 will be completed.
- Ancillary 2 concrete pours will commence.
- The remainder of the 72nd St. Station Jobsite will be turned over to the C-26011 Contractor (Judlau) on January 29, 2014.
- Asbestos Abatement at Entrance 1 will be completed.
- Demo and utility relocation at Entrance 1 will commence.
- Complete turnover of Geotechnical Instrumentation.
- Commence Waterproofing and Drainage installation at Ancillary 1 (NW Corner of 69th St. and 2nd Ave).

63rd Street/Lexington Avenue Station Reconstruction (Contract C-26006)

- Excavate, tap, install 4” & 6” water service to the station.
- Install Ceiling Panels (C2A) on platform (G4/T2).
- Install Sound Attenuators 5 & 6.
- Install temporary shoring for demolition and structural steel installation at Entrance 1.
- Mobilize/install brackets and rails in elevator shaft 1 and 2.
- Install Inergen East Side.
- Electrical (Conduit/Lighting/Cable) installation continues at various levels.
- Mechanical (Piping/Ductwork/Equipment) installation continues at various levels.
- Continue Relocation of water and electrical Service for Building at Entrance.
- Plumbing (Piping/Fixtures/Equipment) installation continues at various levels.

Tracks, Power, Signals and Communication Systems (Contract C-26009)

- Complete FAT for CCTV, PACIS and Intrusion Access Control Cabinets.
- Pull cables at 63rd Street for WAN and LAN.
- Install equipment in 63rd Street Communications and Signal Rooms upper and lower platforms.
- Install LVT from 97th Street to 105th Street.
- Pull signal and power cables north of 95th Street.
- Install fire alarm panels at 63rd Street.

Budget and Finance

- Received approved WARs for Contracts C-26002 and C-26013 - TA Labor and Third Party/Utility final charges and/or close-out tasks.
- Preparation of WARs for Contracts C-26002 and C-26013-In-house Construction Administration tasks final charges and/or close-out and contingency difference.
- Reassess Award Values - Standardized Cost Categories (SCCs) were updated and reflect Rev. 10 Estimate & Soft Costs. Contract C-26012 finalized Direct Cost Breakdowns (DCBs) received from the Contractor.
- Reassess Current Working Budget - Standardized Cost Categories (SCCs) were updated and reflect Rev. 10 Estimate & Soft Costs due to 100% construction awards.