

# QUARTERLY REPORT

Second Avenue Subway  
Phase 1

July, August, and September 2009

94<sup>th</sup> – 95<sup>th</sup> Street: Installation of Wale W-9



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## EXECUTIVE SUMMARY

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

<i>TOTAL (millions)</i>	<i>Budget</i>	<i>Awards</i>	<i>Invoiced</i>
(Exclusive of Financing Costs)	\$ 4,451. B	\$ 1,150.8*	\$778
<i>% Budget</i>		25.9%	17.5%
<i>% Awards</i>			67.6%

The project budget has been adjusted to be consistent with the 2010-2014 Capital Plan approved by the Board in September.

### STATUS OF THE SAS PROJECT SCHEDULE

A series of working sessions were held between MTACC, FTA and the PMOC on developing an Enterprise Level Project Execution Plan that will be used as a management tool for managing risks for the Second Avenue Subway Project.

<b>Grant Milestones Remaining</b>	<b>Planned Date</b>	<b>Forecast Date</b>
Revenue Operation Date	June 30, 2014	December 2016

**CLOSED CONTRACTS** None

### ACTIVE CONTRACTS

\*As of September 2009, Five (5) contracts with an award value of \$1,150.8M

- DMJM+Harris Arup, JV – Contract C-81188 – Engineering Services for the SAS Project (DHA & Approved Modifications) - \$337.6M + 28.7M
- PB Americas – Contract C-81338 – Consultant Construction Management Services for Phase I – (PBA) - \$80.9M
- S3 Tunnel Constructors’ – Contract C-26002 – Tunneling from 92<sup>nd</sup> St. to 63<sup>rd</sup> St. by Tunnel Boring Machine (TBM) – (S3T & Approved & Negotiated Additional Work Orders {AWOs} ) - \$337M + \$10.8M
- E.E. Cruz & Tully Construction Co., JV – Contract C-26005 – 96<sup>th</sup> St. Station Heavy Civil/Structural Work – (EEC & T & Approved & Negotiated AWOs) - \$321.4M + .311K
- J. D’Annunzio & Sons, Inc. – Contract C-26013 – 86<sup>th</sup> St. Excavation, Utility Relocation & Road Decking Work – (J. D’Annunzio & Sons) - \$34.1M

**2009 PLANNED AWARDS** None remaining

<b>DESIGN &amp; CONSTRUCTION</b>	% Complete
<b>SUPPORT SERVICES</b>	Final Design - 92%
	Construction Support Services – 13.5%

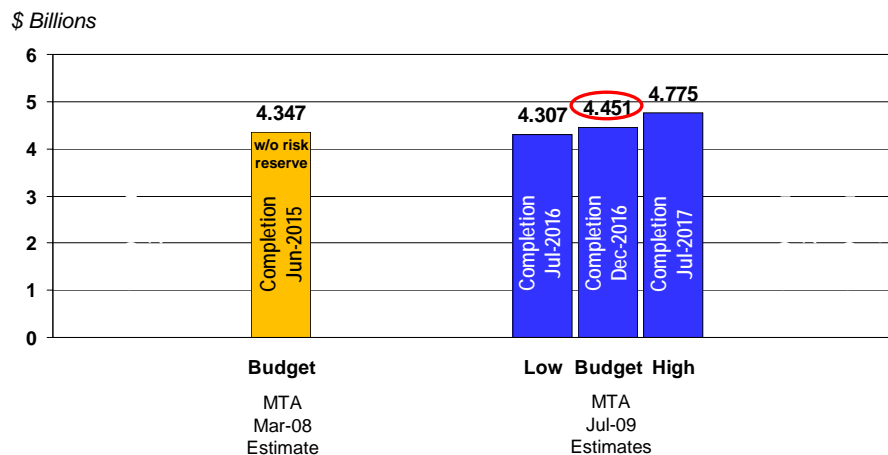
\*Note: Awards for 2<sup>nd</sup> Qtr totaled \$1,096.3M (including MODs)

**Cost and Schedule**

- The FTA, MTACC and MTAHQ are jointly developing the Enterprise Level Project Execution Plan (ELPEP), which is intended to incorporate strategies for risk mitigation. Final sign-off by MTA and FTA is anticipated in October 2009. This will be followed by the development of the recovery plan detailing the changes from the approved FFGA baseline cost and schedule.
- The new target Budget & Estimate at Completion (EAC) of \$4.451 B and a forecast Substantial Completion date for Phase 1 of December 2016 was presented to the MTA Board in July 2009.



**Second Avenue Subway – Budget & Schedule**



Note: July 2009 values exclude \$222M in assumed rolling stock savings.

**Construction**

- Under the TBM Tunnels contract from 92<sup>nd</sup> to 63<sup>rd</sup> Street, installation of dewatering system, deck beams, and decking were completed. In conjunction with Con Ed. Started testing of the TBM Substation on August 3, 2009. All slurry panels and secant piles were completed on the east side. TBM launch box excavation continued including relocation of utilities on the east and west side of Second Avenue.
- Blasting work associated with the tunneling contract cannot begin until building stabilization work for 1766/1768 Second Avenue is completed. On September 25, 2009, the Contractor was directed to begin furnishing and erecting bracing material for building

stabilization. The work started in October and will take approximately six weeks to complete. Blasting work is expected to start in early November. The Contractor is removing rock by mechanical means in the interim as a way to minimize delay.

- Under the 96<sup>th</sup> Street Station Heavy Civil, Structural, and Utility Relocation contract, the Contractor, E.E. Cruz/Tully, installed a transformer vault for Con Ed at 96<sup>th</sup> Street, cut back sidewalks to 7 ft. width, and continued preparation for utility relocation to provide clearance area for slurry wall installation. A Partnering Session was held with the Contractor on August 25, 2009.
- A Second Avenue Subway Task Force Meeting was held with Community Board #8 on September 24, 2009. The agenda included the latest Contract Packaging Plan for the Project and progress updates on Contracts C-26002, C-26005 and C-26013, the three contracts currently in construction.

## **Design**

- MTA prepared an Environmental Assessment (EA) of proposed design changes to entrances at both the 72<sup>nd</sup> Street and 86<sup>th</sup> Street Stations on the Second Avenue Subway. The EA was approved by the FTA in May and made available to the public on June 1, 2009. A public hearing on the EA was held on June 18, 2009, and the comment period was extended to July 31<sup>st</sup> at the request of Community Board 8 and local officials. Responses to comments were compiled and submitted to FTA in August 2009. A Finding of No Significant Impact (FONSI) from the FTA is expected in October 2009.

## **Procurement**

- The Station Cavern Mining, G3/G4 Tunnels and Heavy Civil/Structural Work for the 72<sup>nd</sup> Street Station (Contract C-26007), was advertised for letters of interest in the New York State Contract Reporter on September 21, 2009 and in the New York Post on September 24, 2009.

## **Real Estate**

- On September 24, 2009, the New York State Supreme Court approved MTA's acquisition of title by condemnation to four properties (235 East 69<sup>th</sup> Street, 1315 Second Avenue, 253-259 East 72<sup>nd</sup> Street, and 247 East 83<sup>rd</sup> Street) that are needed to construct three separate facilities for the SAS Project. MTA and its relocation consultants now are in the process of providing relocation assistance to the residential and commercial occupants of these properties.

**STATUS OF CONTRACT – ACTIVE CONSTRUCTION**

**CONSTRUCTION**

**Contract C-26002 - TBM Tunnels from 92nd St. to 63rd St.**

**Contractor:** S3 Tunnel Constructors JV (S3TC)

**Construction Mgr:** Kirit Mevawala

**Award Date.:** March 20, 2007

**Description:** Second Avenue Subway Contract C-26002 includes construction of tunnels between 92<sup>nd</sup> Street and the existing Lexington Avenue/63<sup>rd</sup> 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 92<sup>nd</sup> to 95<sup>th</sup> Street. It also includes construction of access shafts at 69<sup>th</sup> and 72<sup>nd</sup> Streets.



*Work in progress under decking*

**Progress, Cost and Schedule**

**Package Milestones C-26002**

**Progress: TBM Launch Box**

- Started installation of toe anchors and rock bolts in the south bulkhead wall.
- Continued permanent utility work on side streets.
- Excavated to depths required for installation of Tier 2 bracing wales and strut and started installation of same.
- Completed installation of TBM duct bank from 96<sup>th</sup> Street Yard to 95<sup>th</sup> street and Second Avenue.
- Completed installation and began testing of TBM Substation.
- Continue installing duct work for temporary 460V service for Launch Box.
- Continued removal of existing "EI" train brick and concrete piers.
- Continued building monitoring on east side & west side with Automated Surveying Instrumentation.
- Completed installation of dewatering system.

**69<sup>th</sup> and 72<sup>nd</sup> Streets shaft**

- Continued abatement of Con Ed manholes.
- Continued utility relocation (gas, electric, steam and ECS) in the shaft area.
- Switched traffic in order to work on west side utilities 7/23/09, and switched back to east side 9/18/09 for final stage.

**96<sup>th</sup> Street Yard:**

- Received TBM Substation delivery on July 17, 2009.
- Started testing of the TBM Substation on August 3, 2009.

**Additional Work Orders:** As of 09/30/09, sixty (60) Additional Work Orders for a total of \$10,783,312 have been executed (approved and/or negotiated).

Milestone Description	Original Plan	Current Approved Plan (Schedule update #13)	Actual/Forecast (Schedule update #24)
Construction Award	03/2007	03/20/2007 A	03/20/2007 A
Milestone 1 (Launch Box & 1 <sup>st</sup> TBM drive from 92 <sup>nd</sup> to 63 <sup>rd</sup> St)	12/2009	04/2010	9/14/2010 F
Substantial Completion	07/2010	01/2011	07/06/2011 F

*Percent Complete by invoice construction work 53%*

**Package Costs as of 9/30/09**

	Budget	Expenditure	EAC
Construction Bid	\$337,025,000	\$180,043,146	\$337,025,000
Contingency	16,851,250	9,592,327	10,783,312
EFA	\$7,000,000	2,293,273*	7,000,000
TAL	\$1,000,000	101,632	\$1,000,000
Utilities	\$21,556,752	8,038,042	21,556,752
Total	\$383,433,002	\$200,068,420	\$377,365,064

*\* Includes Consultant Services expenditures*

**Construction Costs (\$000) as of 9/30/09**

Construction Bid	\$ 337,025,000
Construction Bid & Approved/Negotiated AWOs	\$347,808,312
Contingency	\$ 16,851,250
Approved & Negotiated AWOs	\$ (10,783,312)
Remaining Contingency	\$ 6,067,938

**Safety**

The OSHA Recordable incidents ratio for accidents on this contract is 1.92, which is considerably lower than the Bureau of Labor Statistics/ National Industry Average of 4.9.

The OSHA Lost Time Accidents ratio for this contract is 0.96, also much lower than the Bureau of Labor Statistics/National Industry Average of 2.6.

**Safety Statistics**

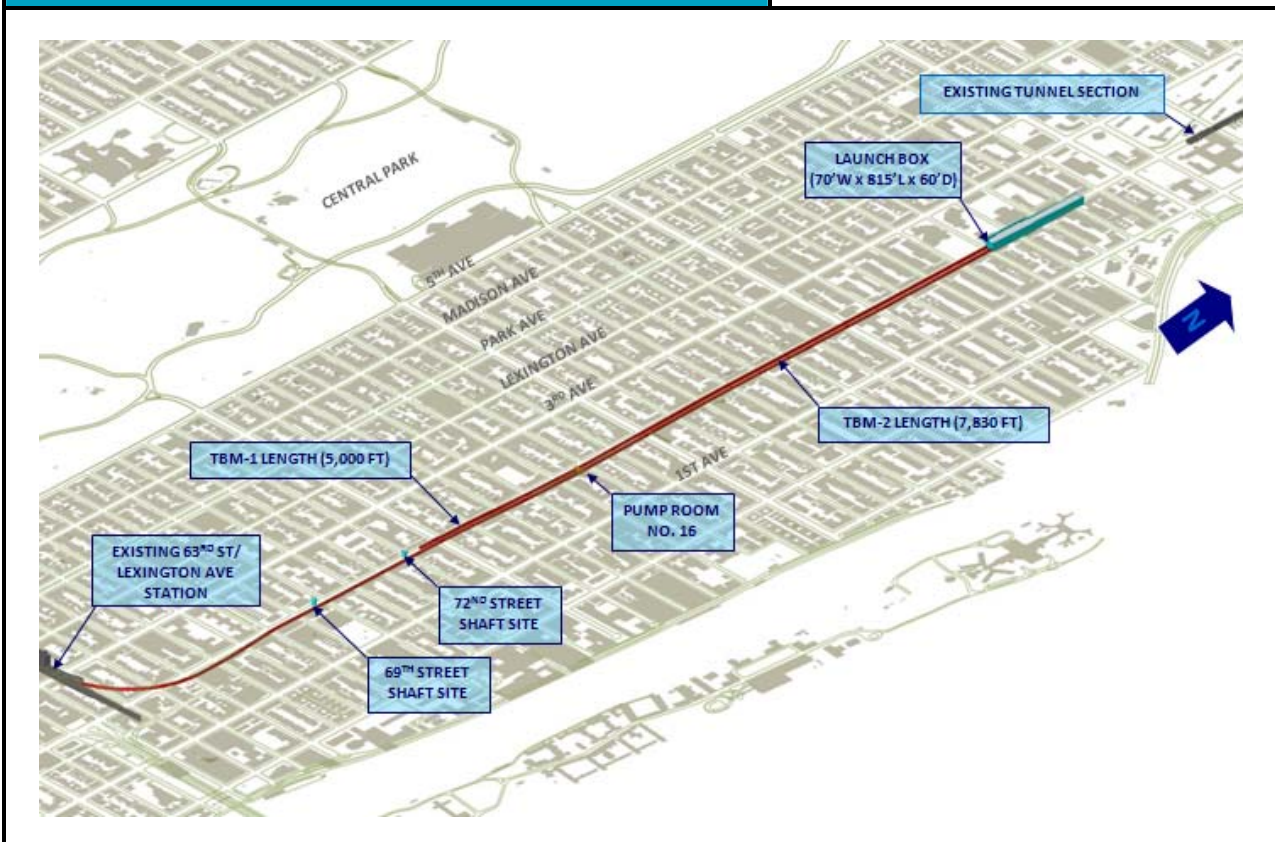
	<i>Project</i>	<i>Contract</i>	<i>BLS*( '06)</i>
<i>Recordable Incidents</i>	1.92	1.92	4.9
<i>Lost Time Accidents</i>	.96	.96	2.6

*\* Bureau of Labor Statistics/National Industry Average*

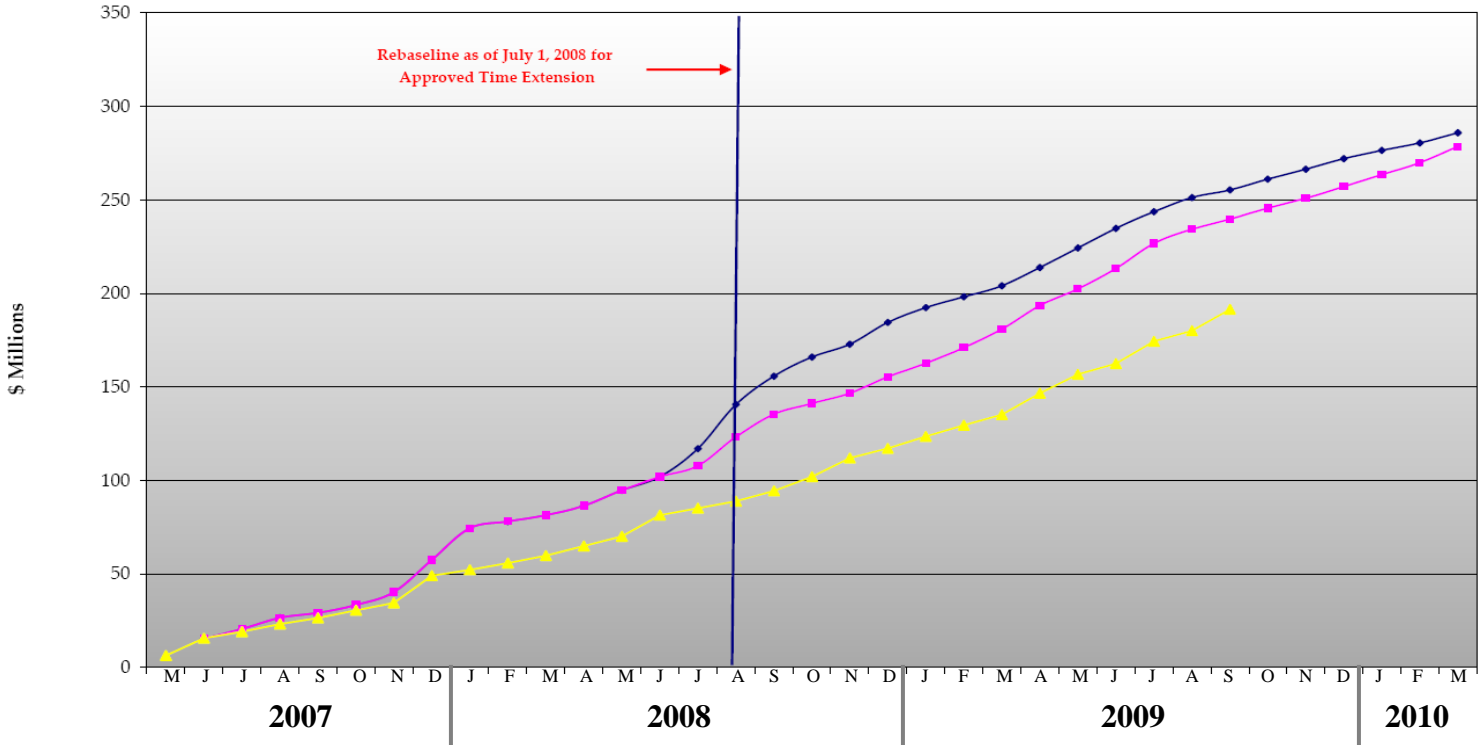
**Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)**

**None to Report for 3<sup>rd</sup> Quarter of 2009**

**Site Map**



### Progress by Invoice Contract C-26002: TBM Tunnels from 92<sup>nd</sup> Street to 63<sup>rd</sup> Street



		May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08
	Planned Early Earned		15.38	20.62	26.58	29.24	33.44	40.28	57.43	74.42	78.07	81.42	86.46
	Planned Late Earned		15.38	20.62	26.58	29.24	33.44	40.28	57.43	74.42	78.07	81.42	86.46
	Invoiced	6.33	15.60	19.14	23.24	26.42	30.53	34.58	49.03	52.23	55.76	59.79	64.99
		May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09
	Planned Early Earned	94.78	101.95	117.08	140.56	155.71	166.02	172.88	184.50	192.45	198.26	204.15	213.80
	Planned Late Earned	94.78	101.95	107.92	123.31	135.44	141.23	146.61	155.35	162.61	171.08	180.83	193.57
	Invoiced	70.11	81.47	85.16	88.87	94.38	102.02	112.03	117.11	123.52	129.59	135.16	146.61
		May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	
	Planned Early Earned	224.30	234.74	243.65	251.20	255.29	261.15	266.38	272.02	276.47	280.48	285.93	
	Planned Late Earned	202.44	213.38	226.69	234.36	239.76	245.62	250.85	257.13	263.57	269.91	278.52	
	Invoiced	156.77	162.47	174.43	180.04	191.47							

## ACTIVE CONSTRUCTION

### CONSTRUCTION

#### Contract C-26005 – Heavy Civil, Structural and Utility Relocation

**Contractor:** E.E. Cruz/Tully Construction Co. JV

**Construction Mgr:** Stan Sinha

**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 96<sup>th</sup> Street main station box, entrances and ancillary facilities.

**NOTE:** Federal Funding from the American Recovery and Reinvestment Act (ARRA) has been designated for this contract.

*Cut of concrete pavement along east wall of MH 69*



#### Progress, Cost and Schedule

#### Package Milestones C-26005

##### Progress

- Continued installation of electric ducts in preparation for Con-Ed V14 vault and installation of electric ducts on 96<sup>th</sup> Street. Completed conduit duct bank area backfilled and patched with asphalt.
- To date, 57 trees were removed and 4 trees transplanted. Tree stumps were removed and sidewalk opening patched with asphalt.
- Geocomp installed 90% of geotechnical instrumentation (AMTS, seismographs, prisms & beam sensors) and completed 90% of Initial Building Condition surveys.
- On September 10, 2009, traffic was switched to the west side of Second Avenue and MPT setup for Stage 1 was completed.
- Field Office was established at 1595 Lexington Avenue, NY, NY 10029. Telephone number: 212-289-4184.

##### Schedule

- Contractor's Baseline Schedule was approved.

**Additional Work Orders:** As of 09/30/09, four (4) Additional Work Orders (\*incl. Option 1) for a total of \$17,837,500 have been executed (approved and/or negotiated).

Milestone Description	Original Plan	Current Approved Plan	Actual/Forecast
Construction Award	10/31/2008	10/31/2008	5/28/2009 (A)
Milestone #1 (North Station Area – 97 <sup>th</sup> to 99 St. Work)	10/20/2010	10/20/2010	1/19/2012
Milestone 2 (Ancillary 1, Entrance 1 and 2, & South St. Area but excl. Opt 2)	4/21/2011	4/21/2011	08/07/2012
Substantial Completion	1/11/2012	1/11/2012	2/15/2013

Percent Complete by invoice construction work 3%

#### Package Costs as of 9/30/09

	Budget	Expenditure	EAC
Construction Bid	\$325,000,000	\$9,107,823	\$321,390,000
Contingency	16,250,000	0	311,200
EFA	5,000,000	70,589	5,000,000
TAL	2,000,000	0	2,000,000
Utilities	15,000,000	0	15,000,000
Total	\$363,250,000	\$9,178,412	\$343,701,200

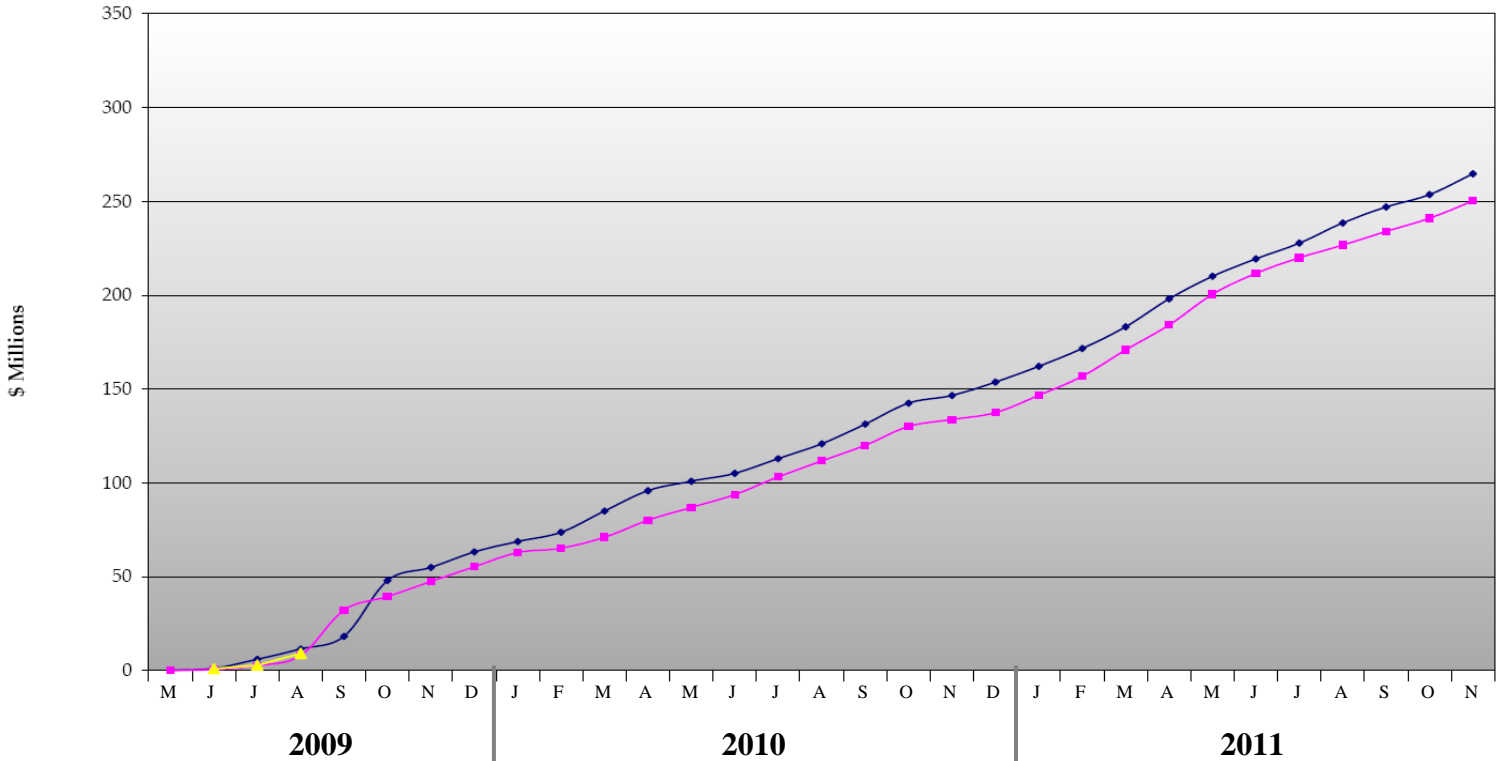
#### Construction Costs (\$000) as of 9/30/09

Construction Bid	\$303,863,700
Option 1	\$17,526,300*
Option 2	\$3,610,000
Construction Bid (Includes Options)	\$325,000,000
Construction Bid/Option 1 & Approved/Negotiated AWOs	\$321,618,200
Contingency	\$16,250,000
Approved & Negotiated AWOs	\$(311,200)
Remaining Contingency	\$15,938,800

Safety				
<p>The OSHA Recordable incidents ratio for accidents on this contract is 0.0 (i.e. no contractor injury accidents reported).</p> <p>The OSHA Lost Time Accidents ratio for this contract is 0.0.</p>	Safety Statistics			
		<i>Project</i>	<i>Contract</i>	<i>BLS*(‘06)</i>
	<i>Recordable Incidents</i>	1.92	0.0	4.9
	<i>Lost Time Accidents</i>	.96	0.0	2.6
<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
2	Critical Con Edison work east of 96 <sup>th</sup> street corner – electrical	Negotiated	\$134,800	\$83,000	\$217,800

### Progress by Invoice Contract C-26005: Heavy Civil, Structural and Utility Relocation



		May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10
	Planned Early Earned	0.13	1.22	6.00	11.51	18.13	47.61	54.40	62.82	68.51	73.32	84.56	95.33
	Planned Late Earned	0.06	0.64	2.67	8.51	32.96	40.46	48.53	56.22	63.66	65.93	71.71	80.59
	Invoiced	-	.91	2.91	9.11								
		May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11
	Planned Early Earned	100.34	104.52	112.27	119.98	130.23	141.00	145.20	152.35	160.67	169.87	181.18	195.81
	Planned Late Earned	87.36	94.05	103.33	111.96	120.66	131.17	135.15	139.19	148.73	158.71	172.79	185.99
	Invoiced												
		May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11					
	Planned Early Earned	207.57	217.20	226.11	237.22	246.16	253.18	263.93					
	Planned Late Earned	202.23	213.22	221.66	228.34	235.48	242.07	251.69					
	Invoiced												

**ACTIVE CONSTRUCTION**

**CONSTRUCTION**

**Contract C-26013 – 86<sup>th</sup> Street Station – Excavation, Utility Relocation, and Road Decking**

**Contractor:** J. D'Annunzio & Sons, Inc.

**Construction Mgr:** Sant Singh

**Award Date:** July 8, 2009

**Description:** 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) has been designated for this contract.

Side walk removal and MPT set up along West of 2<sup>nd</sup> Ave - looking north from 83<sup>rd</sup>

**Progress, Cost and Schedule**

**Package Milestones C-26013**

**Progress**

- Utility kick-off meetings were held with Con-Edison on July 15<sup>th</sup>, August 18<sup>th</sup>, and September 10<sup>th</sup>, 2009 and with DEP on September 10, 2009
- Continued Building Classification and Pre-construction Condition survey by Distinct Engineering Solutions, Inc.
- Twenty five subcontractors were submitted and twenty two subcontractors were approved by MTACC.
- Contractor's Quality plan was approved.
- Permits from NYCDOT and Parks Dept were acquired.
- Tree removal along 2<sup>nd</sup> Ave is in progress. Tree protection was completed.
- Test pits excavation, geotechnical instrumentation and VMS installation are in progress.
- DEP approval is pending due to the unresolved issues of the existing 48" water main replacement with 60" water main.
- Exterior and sidewalk survey of the buildings within 140 ft radius of construction activity was completed. Interior survey of these buildings is 50% complete.

**Schedule**

- Contractor submitted Revised Baseline CPM schedule.

<i>Milestone Description</i>	<i>Original Plan</i>	<i>Current Approved Plan</i>	<i>Actual/Forecast</i>
Construction Award	6/15/2009	7/8/2009 A	7/8/2009 A
Milestone #1	4/15/2010	5/8/2010 F	5/8/2010 F
Milestone # 2 (North Area)	11/15/2010	12/8/2010 F	12/8/2010 F
Substantial Completion	1/15/2011	1/8/2011 F	1/8/2011 F

Percent Complete by invoice construction work 0%

**Package Costs as of 9/30/09**

	<i>Budget</i>	<i>Expenditure</i>	<i>EAC</i>
Construction Bid	\$34,070,039	\$0	\$34,070,039
Contingency	5,110,500	0	5,110,500
EFA	2,600,000	71,478	2,600,000
TAL	1,000,000	0	1,000,000
Utilities	2,800,000	0	2,800,000
<b>Total</b>	<b>\$45,580,539</b>	<b>\$71,478</b>	<b>\$45,580,539</b>

**Construction Costs (\$000) as of 9/30/09**

Construction Bid	\$34,070,039
Construction Bid & Approved/Negotiated AWO's	\$34,070,039
Contingency	\$5,110,500
Approved & Negotiated AWO's	\$0
Remaining Contingency	\$5,110,500

Safety				
<p>The OSHA Recordable incidents ratio for accidents on this contract is 0.0 (i.e. no contractor injury accidents reported).</p> <p>The OSHA Lost Time Accidents ratio for this contract is 0.0.</p>	Safety Statistics			
		<i>Project</i>	<i>Contract</i>	<i>BLS*('06)</i>
	<i>Recordable Incidents</i>	1.92	0.0	4.9
	<i>Lost Time Accidents</i>	.96	0.0	2.6
<i>* Bureau of Labor Statistics/National Industry Average</i>				

Change Orders Greater than \$100,000 (Approved and/or Negotiated this Quarter)
<p><b>None to Report for 3<sup>rd</sup> Quarter of 2009</b></p>

# FUNDING AND PROJECT BUDGET Schedule and Proposed Schedule

CONTRACT	Start RFP Procurement	DURATION (MONTHS)	START DATE	END DATE	CONSTRUCTION SCHEDULE													
					2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017			
C1	TBM	50	3/20/07	6/1/11	3/20/07				6/1/11									
C2A	96th - Site Work & Heavy Civil	43	2/18/08	5/28/09	1/7/13	2/18/08	5/28/09		1/7/13									
C2B	96th - Station Shell Concrete, Backfill, Perm. Utilities & Street Restoration, MEP & Finishes	44	11/22/10	9/23/11	6/5/15			11/22/10	9/23/11					6/5/15				
C3	63rd Street Station Upgrade	30	1/4/10	8/27/10	2/21/13			1/4/10	8/27/10			2/21/13						
C4A	72nd - Existing Building Demolition	11	12/1/09	5/31/10	5/11/11			12/1/09	5/31/10	5/11/11								
C4B	72nd - Station Casem Mine/ Line, G3 & G4 Mine/ Line & Heavy Civil	41	11/20/09	7/26/10	12/26/13			11/20/09	7/26/10			12/26/13						
C4C	72nd - Station, Ancillaries, Entrances Concrete work, Finishes (Arch., MEP) & Street Restoration	31	4/2/12	12/5/12	7/17/15					4/2/12	12/5/12	7/17/15						
C5A	86th - Open Cuts & Utilities Relocation	21	3/2/09	7/8/09	4/18/11			3/2/09	7/8/09	4/18/11								
C5B	86th - Mining & Lining	37	3/25/10	1/27/11	3/10/14			3/25/10	1/27/11			3/10/14						
C5C	86th - Station, Entrances, Ancillaries, Concrete work, Finishes (Arch., MEP) & Street Restoration	27	1/28/13	10/2/13	1/13/16					1/28/13	10/2/13	1/13/16						
C6	SYSTEM	67	6/1/10	4/4/11	11/4/16			6/1/10	4/4/11			11/4/16						
	NYCT Pre-Revenue Operation Test	4	9/5/16	12/30/16								9/5/16	12/30/16					
	REVENUE SERVICE / PHASE COMPLETION			12/30/16														12/30/16

1. Rev. 0 - Base, UP 29 Rev 3 DA: 01-Dec-08  
 2. Rev. 1 - Updated award date(s) for Contract 2A, 4A & 5A, UD 34 Rev 3 DA: 30-Apr-09  
 2. Rev. 2 - Updated award date(s) for Contract 5A, UD 36 Rev 3 DA: 30-Jun-09

■ 11-Package Option (Based on Rev 3.0 UP29 Issued January 2009)  
■ RFP Procurement Process  
■ EFB Procurement Process

**FFGA Baseline & Current Budget Summary (As of September 30, 2009)**

<b>Component Design</b>	<i>FFGA Budget*</i>	<i>(A) Current Budget*</i>	<i>Awarded Value</i>	<i>Expended to Date</i>	<i>(B) EAC*</i>	<i>(A-B) Variance</i>
EIS	\$11,615,278	\$11,615,278	\$11,615,278	\$10,939,980	\$11,615,278	\$0
PE & FP Engineering**	\$228,903,629	\$228,903,629	\$228,903,629	\$227,281,226	\$228,903,629	\$0
Final Design	\$166,291,211	\$192,814,131	\$192,814,131	\$137,813,834	\$192,814,131	\$0
<b>Subtotal Award Value</b>	<b>\$406,810,118</b>	<b>\$433,333,038</b>	<b>\$433,333,038</b>	<b>\$376,035,040</b>	<b>\$433,333,038</b>	<b>\$0</b>
FD Reserve***	\$3,189,882	\$11,666,962			\$11,666,962	\$0
<b>Subtotal</b>	<b>\$410,000,000</b>	<b>445,000,000</b>	<b>\$433,333,038</b>	<b>\$376,035,040</b>	<b>\$445,000,000</b>	<b>\$0</b>
<b>Construction</b>	<i>FFGA Budget*</i>	<i>(A)Current Budget*</i>	<i>Awarded Value</i>	<i>Expended to Date</i>	<i>(B) EAC*</i>	<i>(A-B) Variance</i>
Contracts Awarded & Contingency <i>(incl. AWOs billed and/or approved)</i>	\$734,306,789	\$734,306,789	\$703,579,551	\$198,743,296	\$703,579,551	\$30,727,238
Contracts Awarded (Remaining Conting.)	\$0	\$0	\$0	\$0	\$30,727,238	\$(30,727,238)
Contracts to be Awarded	\$1,866,904,967	\$2,273,904,967	\$0	\$0	\$2,273,904,967	\$0
<b>Subtotal</b>	<b>\$2,601,211,756</b>	<b>\$3,008,211,756</b>	<b>\$703,579,551</b>	<b>\$198,743,296</b>	<b>\$3,008,211,756</b>	<b>\$0</b>
Contracts to be Awarded Contingency	\$90,788,244	\$122,788,244	\$0	\$0	\$122,788,244	\$0
NYCT Labor	\$28,000,000	\$33,000,000	\$4,000,000	\$101,632	\$33,000,000	\$0
EFA	\$48,000,000	\$70,000,000	\$14,600,000	\$2,435,340	\$70,000,000	\$0
Utilities	\$58,000,000	\$64,000,000	\$35,350,000	\$8,038,042	\$64,000,000	\$0
CCM	\$80,940,647	\$96,000,000	\$80,940,647	\$9,829,743	\$96,000,000	\$0
Artwork	\$6,000,000	\$6,000,000	\$0	\$0	\$6,000,000	\$0
Rolling Stock*	152,999,000	\$0	\$0	\$0	\$0	\$0
Real Estate*	\$240,960,000	\$292,000,000	\$60,702,614	\$56,524,093	\$292,000,000	\$0
OCIP	\$160,000,000	\$172,000,000	\$128,100,000	\$126,242,857	\$172,000,000	\$0
Reserve & Executive Reserve***	\$173,100,353	\$160,000,000	\$0	\$0	\$160,000,000	\$0
Expected Value Engineering Savings	\$0	\$(18,000,000)			\$(18,000,000)	\$0
<b>Subtotal</b>	<b>\$1,038,788,244</b>	<b>\$997,788,244</b>	<b>\$323,693,261</b>	<b>\$203,171,707</b>	<b>\$997,788,244</b>	<b>\$0</b>
<b>Total Award Value</b>	<b>\$4,046,810,118</b>	<b>\$4,439,333,038</b>	<b>\$1,460,605,850</b>	<b>\$777,950,043</b>	<b>\$4,439,333,038</b>	
<b>Total Project Cost (includes Reserve)</b>	<b>\$4,050,000,000</b>	<b>\$4,451,000,000</b>			<b>\$4,451,000,000</b>	<b>\$0</b>
<b>Estimated Financing Cost</b>	\$816,614,000	\$816,614,000			\$816,614,000	
<b>Totals Including Financing Cost</b>	<b>\$4,866,614,000</b>	<b>\$5,267,614,000</b>	<b>\$1,460,605,850</b>	<b>\$777,950,043</b>	<b>\$5,267,614,000</b>	<b>\$0</b>

\* The current Budget & EAC of \$4,451B is reflected. Based on the revised budget, RE includes \$47M for Cost-to-Cure, a decrease of \$11M for escalators & SCADA and the deletion of RS.

\*\* Includes Independent Engrg. Consultant (IEC).

\*\*\* MOD #38 funds of \$26.5M have been included in FD for Design Consultant based on Notice to Proceed. Funds for FD Reserve total \$11.7M (which incl. previous amount) have not been encumbered. Therefore, no shortfall exists in Final Design.

Note: Baseline Budget to be finalized with the FFGA. FFGA budget for construction is an estimate based on SCC categories.

**Current Funding Status (As September 30, 2009) (\$ in Millions)**

<b>Total Budget</b> (Exclusive of Financing Costs)	<b>\$ 4,451.0</b>				
	<b>Budget</b>	<b>Federal</b>			<b>Local</b>
<b>MTA Capital Programs</b>		<b>New Starts</b>	<b>Other</b>	<b>ARRA</b>	
– MTA 1995-1999 Capital Program	0	0	0	0	0
– MTA 2000-2004 Capital Program	1,050.0	33.42	2.46	0	1,014.12
– MTA 2005-2009 Capital Program*	1,914.0	1,187.68	71.43	78.9	575.99
– MTA 2010-2014 Capital Program	1,487.0				1,487.00
<b>Total Approved Capital Program*</b>	<b>\$ 4,451.0</b>	<b>\$1,221.1</b>	<b>\$73.89</b>	<b>\$78.9</b>	<b>\$3,077.11</b>

\* Pending NYSCPRB approval of plan amendment. 05-09 CP (Other) includes \$45.8M in CMAQ not obligated.

<b>Value of Contract Awards</b>	<b>\$ 1,460.6</b>	<b>100%</b>
- Federal Share of Contract Awards	177.4	12.0%
- Local Share of Contract Awards	1,283.2	88.0%
<b>Value of Finance Charges* Incurred</b> (based on prorate share)	<b>\$ 62.7M</b>	
<i>Finance charges to be updated based on the updated FCA.</i>		

**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
<b>Subtotal NY030397</b>			<b>4.980</b>	<b>4.980</b>
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	138.797
<b>Subtotal NY030408</b>			<b>196.248</b>	<b>167.235</b>
NY17X00100***	9/15/2005	2005	2.460	2.459
<b>Subtotal of NY17X001</b>			<b>2.460</b>	<b>2.459</b>
NY95X009-00-CMAQ	9/12/2008	2008	25.633	0.000
<b>Subtotal of NY95X009-00</b>			<b>25.633</b>	<b>2.768</b>
<b>Total All Grants</b>			<b>229.321</b>	<b>177.442</b>

**ARRA STIMULUS GRANT IS NOT YET AWARDED, BUT WILL BE INDICATED WHEN FUNDED.**

\*Zero dollar grant provided for Early Systems Work Agreement.

\*\*Zero dollar grant provided for Full Funding Grant Agreement

\*\*\*This amount is NOT included in the \$1.3M FFGA

## FOURTH QUARTER 2009 – LOOK AHEAD

### MTACC Management

- Finalize the Enterprise Level Project Execution Plan for the Second Avenue Subway Project.
- Continue working with FTA on development of FFGA Recovery Plan.

### Design

72<sup>nd</sup> Street Station (Contract C-26007):

- Industry Outreach meeting is scheduled for October 22, 2009.
- RFP in November.

### Construction

TBM Tunnels from 92<sup>nd</sup> St. to 63<sup>rd</sup> St. (Contract C-26002):

#### *Launch Box Area*

- Start installing Tier 3 bracing wales and struts in October.
- Drilling and blasting of rock to commence following stabilization of building 1766/68 Second Avenue.
- Continue rock and common excavation to depths required for installation of Tier 2 bracing.
- Continue installation of toe anchors and rock bolts in concurrence with excavation.
- Continue Dewatering and building instrumentation monitoring throughout Launch box area.
- Complete pulling of cables for temporary launch box power.
- Complete installation of wales and struts for Tier 2 level bracing and place bracing slab.

#### *Shaft Area*

- Continue utility relocation of electric, gas, and steam.
- Excavation of 69<sup>th</sup> St. Shaft to top of rock and installation of ring beams to commence December 2009.

- Bi-monthly meetings are being held with the Mayor's Office of Operations to discuss on-going construction progress.

96<sup>th</sup> Street Station – Heavy Civil, Structural and Utility Relocation (Contract C-26005):

- Installation of sewer chambers and sewer line between 96<sup>th</sup> and 99<sup>th</sup> Street
- Installation of Con Edison electrical manholes and related duct work
- Installation of Con Edison 30-inch gas main
- Asbestos abatement and demolition of Century Lumber Building

86<sup>th</sup> Street Station – Excavation, Utility Relocation, and Road Decking (Contract C-26013):

- Continue to relocate traffic signals and street lighting.
- Continue to saw cut and remove curbs and sidewalk.
- Start Pre-Stage 1B utility work between 82<sup>nd</sup> and 88<sup>th</sup> Street (Electrical manholes and service boxes replacement).
- Start hydrant relocation, catch basin and misc utility.
- Start exploratory boring

### **Budget and Finance**

- Update Standardized Cost Categories to reflect new packaging plan and revised schedule and budget.
- Support MTACC Management on working with FTA on development of FFGA Recovery Plan.

### **Quality**

- Issue Rev. 3 of PQM.
- Continue monitoring QA/QC for design and construction activities.
- Return visit to S3TC's TBM to review documentation.
- Conduct QA/QC Monthly Progress Meetings.
- Conduct Quarterly Quality Oversight (Contract C-26013).
- Participate in contractors Preparatory Phase Sessions.
- Participate in contractors Subcontractor/Supplier Audits.
- Close 2008 DHA Internal Audit and Quality Surveillances on drawing and calculation process control.

**Public Outreach**

- Respond to requests regarding Environmental Assessment.
- Continue to address correspondence received through letters and emails regarding the SAS project.
- Continue to keep a log of all phone calls made to the SAS hotline as well as the Construction Field Office desk.
- Continue email advisories to alert elected officials in advance of significant changes at the construction site or new construction activity.
- Continue to provide field liaison support at Construction Field Office to handle daily concerns of pedestrians, residents and businesses.
- Continue to arrange meetings with community groups, condo boards, etc. to address concerns specific to their neighborhoods/buildings.
- Continue to attend meetings with Second Avenue Business Association (SABA) to discuss their concerns.