Second Avenue Subway Construction Progress Update (November to March)

Presented by
S3 Tunnel Constructors
AND
MTA CAPITAL CONSTRUCTION
March 23, 2009
Topics Covered

• Progress update (November to March)
• Launch Box Update
  • Secant Wall
  • Slurry Wall
  • Concrete Decking
• Traffic Switch to East Side
• Shaft Site work at 69th St. and 72nd St.
• Upcoming Work
Launch Box Update

Secant Pile Wall Construction Between 91st and 93rd Street
Secant Pile Wall Construction- 91st to 93rd St. Current Status

- Secant Wall Construction on West Side Completed
- Continuing Secant Wall Construction on East Side
Location of Secant Walls

Portions Completely Installed

SECANT WALL

Portion Currently Being Installed

03/23/2009
Secant Pile Wall Construction- 91st to 93rd St.
Launch Box Update

Slurry Wall Construction Between 93rd and 95th Street
Slurry Wall Construction - 93rd to 95th St.
Current Status

- Slurry Wall on West Side Completed
- Continuing to work on Slurry Wall Construction on East Side
Location for Slurry walls

CANT WALL

2ND AVENUE

SLURRY WALL

Portion Completely Installed

Portion Being Installed Currently

NORTH

03/23/2009
Slurry Wall Work

2nd Avenue Looking North

Future 2nd Avenue Subway
Slurry Wall – Guide Wall
Slurry Wall – Panel Excavation
Slurry Wall
New Fence Panels to Protect Pedestrians
Concrete Decking Plan
Current Status

• Cap Beams Are ALL Installed on the West Side

• All West Side Deck Beams are Installed

• All West Side Concrete Deck Panels are Installed

• Continuing Utility Relocation & Work Under Concrete Decking
Concrete Decking Construction
Looking South on Second Avenue
Concrete Decking Construction
Looking East on Second Avenue-MTA installed Rubber Noise Reduction Pads

03/23/2009
Concrete Decking Construction
Looking from Top of 2nd Avenue
Launch Box Update

Traffic Switch to East Side
Traffic Switch to East Side

- Switched Traffic to East Side on 03/10/2009
Shaft Site work at 69th St. and 72nd St.
Shaft Site work at 69th St. and 72nd St.

Current Status

- Pre-Construction Staging and Wok Zone Set-up Completed
- Sidewalk on West Side have been Reduced to 7 Feet
- All Parking Meters have been Removed
- Street Lights and Traffic Signals have been Relocated
- New Traffic Lane on West Side Completed
- Traffic Shifted to West Side
- Continuing Utility Relocation on East Side
Shaft Area Overall MPT Plan

69th St.  70th St.  71st St.  72nd St.  73rd St.

03/23/2009
69th St. Shaft Section
Construction of New Traffic Lane on West Side
Utilities Relocation Work At Shafts
Utilities Relocation Work At Shafts

03/23/2009
Shaft Area Bus Stop Relocation

Removed Bus Stops between 69th St. and 70th St. and between 71st St. and 72nd St.
New Bus Stop Between 70th St. and 71st St. has been Established
69th Street Garbage Disposal Plan

69th Street Garbage Disposal Plan has been Coordinated with Community and Implemented

03/23/2009

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72nd Street Garbage Disposal Plan

72nd Street Garbage Disposal Plan has been Coordinated with Community and Implemented

03/23/2009
Upcoming Work

Launch Box:

• Continue Slurry Wall Construction on East Side

• Continue Secant Wall Construction on East Side

• Continue placing Deck Beams and Concrete Deck Panels on East Side

• Continue Utility Work Under the Deck on East Side

• Continue Launch Box Excavation

• Controlled Rock Blasting and Removal Preparation
Controlled Rock Blasting and Removal

- The MTA has Performed Building Inspections Before Construction Started.
- The Buildings have Again been Inspected by Monitoring / Engineering Consultant Before this work Starts.
- Controlled Blasting Work has been Designed and Analyzed by a Specialty Blasting Consulting Expert.
- The Blasting Plans Are now Under Review and Must be Approved by NY City, Fire Department- Explosives Unit.
- NY City Fire Department Permit Will be Issued For All Aspects of This Blasting Work.
- Controlled Blasting and Rock Removal will be performed under a Permit Issued by NY City Dept. of Environmental Protection (DEP)
- The MTA has Installed Blasting Vibration Monitoring Equipment in Buildings at the Blast Area.
- Controlled Blasting WILL be monitored by NY City-Fire Dept, Explosives Unit.
Upcoming Work

Shaft Area 69th Street to 72nd Street:

• Start Electric and ECS (Telephone) Utility Relocations.

• Start Gas Main Relocation.

• Start Steam Main Relocation.

• Start Water Main Relocation.
Second Avenue Subway Project

Community Board 8

March 23rd, 2009
PROJECT SCHEDULE FOR 2009

- **DESIGN**
  - *Final Design is scheduled to be completed in December 2009*

- **PROCUREMENT IN 2009**
  - *Contract 2A: 96th Street Station - Site Work & Heavy Civil*
    - Duration: 43 Months from April 2009
  - *Contract 5A: 86th Street Station - Open Cuts & Utilities Relocation*
    - Duration: 22 Months from June 2009
Contract 2A: Scope of Work

Contract 2A: 96th Street Station - Site Work & Heavy Civil

- Duration: 43 Months from April 2009
Contact 5A – Work Zone Lay out Plan

Contact 5A: 86th Street Station - Open Cuts & Utilities Relocation
> Duration: 22 Months from June 2009