

SECOND AVENUE SUBWAY PROJECT

COMMUNITY BOARD EIGHT
PROJECT UPDATE

SEPTEMBER 26, 2011

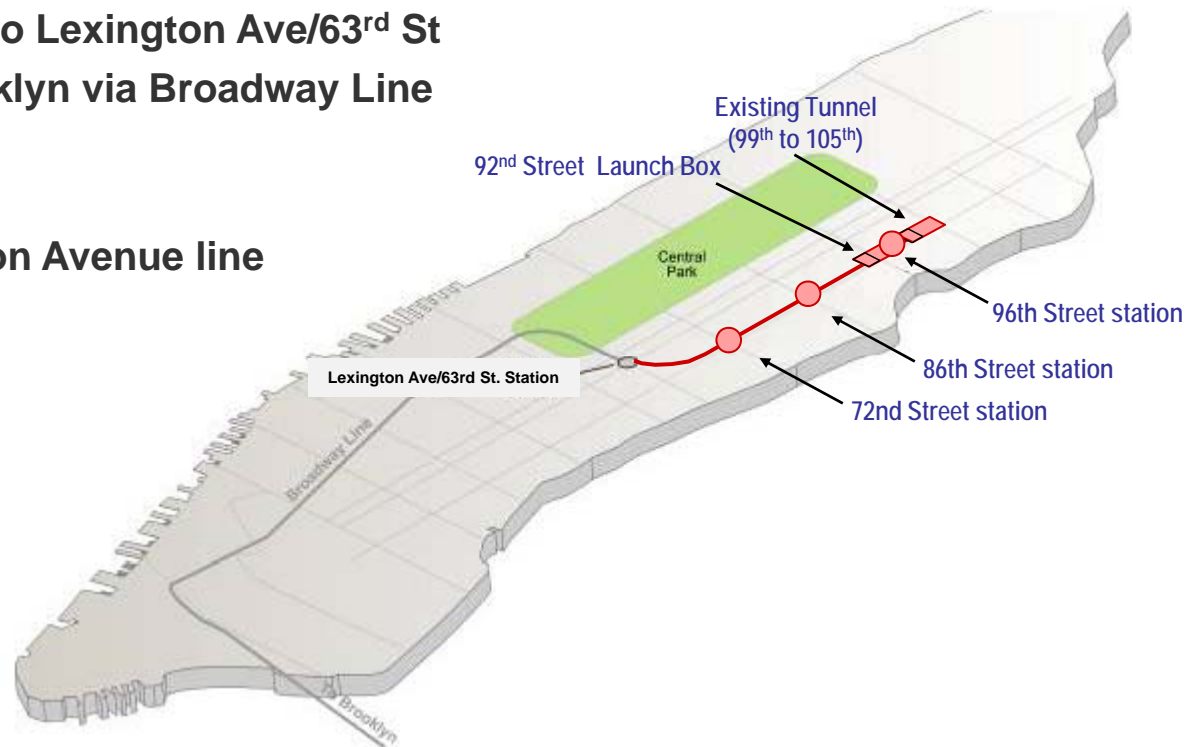
SECOND AVENUE SUBWAY - PHASE 1

Scope:

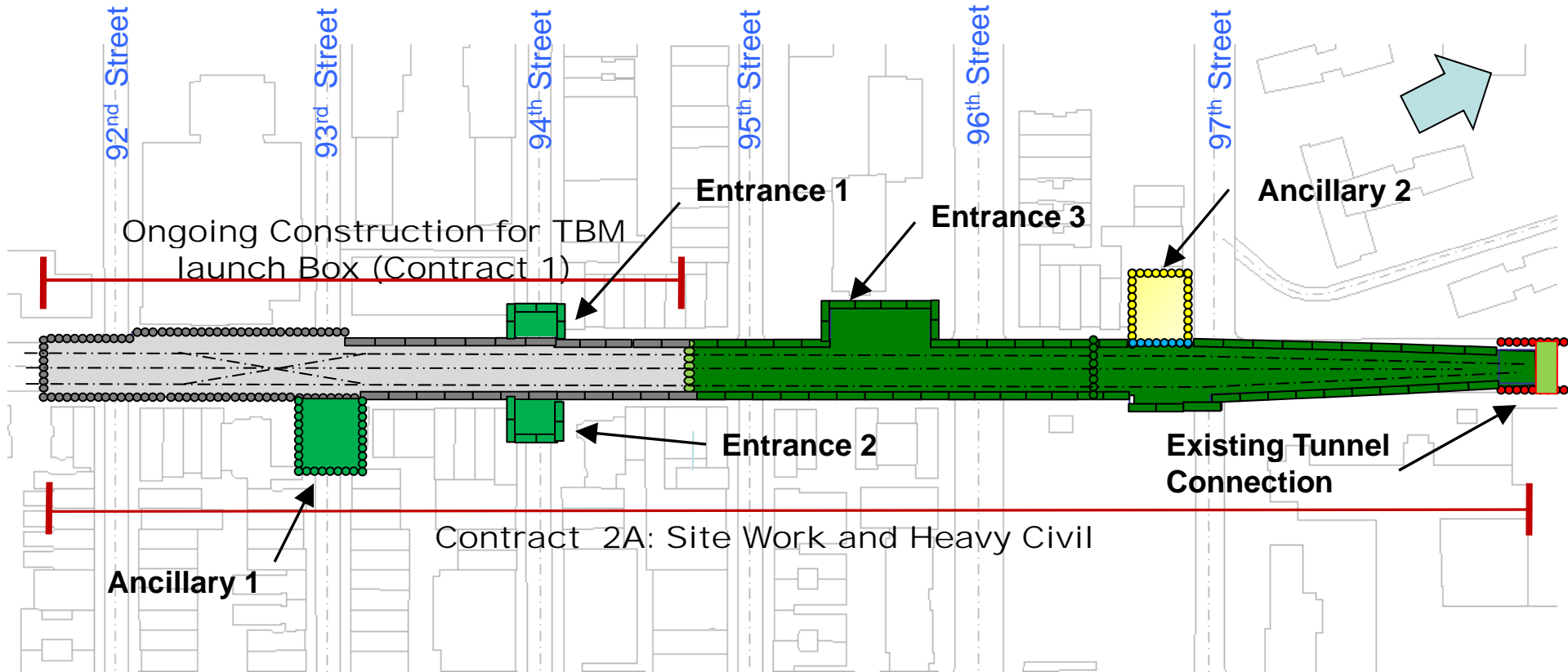
- Tunnels from 92nd St to 63rd St
- Stations at 96th St, 86th St, 72nd St and Lexington Ave/63rd St
- Lexington Ave/63rd St Subway Connection
- Track & Systems from 105th St to Lexington Ave/63rd St
- Service between 96th St & Brooklyn via Broadway Line

Benefits:

- Relieves Overcrowded Lexington Avenue line
(86th St to Grand Central)
- Connects to existing system
(Storage and Maintenance)
- Early use of Tunnel Section built in 1970's



96th Street Work Zone: Construction Plan



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

CONSTRUCTION PROGRESS – Birds Eye View Looking South (98th Street)



CONSTRUCTION PROGRESS – Slurry Plant at 97th St Yard



CONSTRUCTION PROGRESS – Ancillary 2 Work (97th Street)



CONSTRUCTION PROGRESS – Entrance construction at 94th Street



CONSTRUCTION LOOK AHEAD FOR 96TH STREET STATION AREA – for next 3 months

Major Operations in the next three months:

99th to 95th Streets

- *Install slurry panels on west side of 2nd Avenue.*
- *Complete sewer crossings at 95th and 97th Streets, and gas crossings at 95th and 96th Streets.*
- *Install jet grout invert at Ancillary #2 (SW corner of 97th Street at 2nd Avenue).*

94th to 93rd Streets

- *Complete underpinning at 1802 2nd Avenue.*
- *Start secant piles along south side of 93rd Street for Ancillary #1.*
- *Start installation of slurry wall panels at Entrance #1 and Entrance #2.*

CONSTRUCTION PROGRESS – TBM Breakthrough (9/22/2011)



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CONSTRUCTION PROGRESS - West Tunnel Invert Formwork

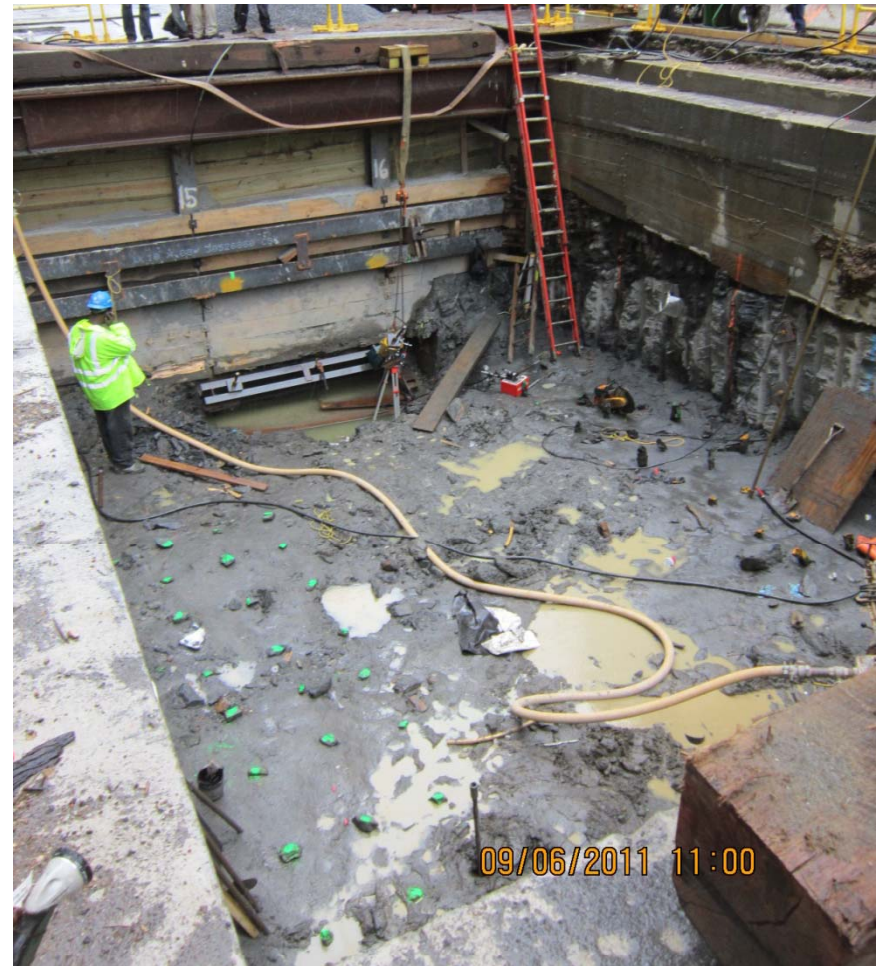


CONSTRUCTION LOOK AHEAD FOR TUNNEL AREA – for next 3 months

Major Operations in the next three months:

- *Back TBM from East Tunnel and Remove TBM & Trailing Gear from Launch Box*
- *Complete Cast In Place Lining at the West Tunnel (Invert & Arch concrete)*
- *Start invert waterproofing in East Tunnel*

CONSTRUCTION PROGRESS – Work at North Shaft Location (86th St.)



CONSTRUCTION PROGRESS – Work at South Shaft Location (83rd St.)



86th St. Station Cavern Mining, and Heavy Civil Structural (Contract 5B)

Contractor Name: *Skanska/Traylor, JV (STJV)*



Contract Value: *\$301,860,000*

Award Date: *August 4th, 2011*

Contract Duration: *37 Months*

CONSTRUCTION LOOK AHEAD FOR 86TH STREET STATION AREA – for next 3 months

Major Operations in the next three months:

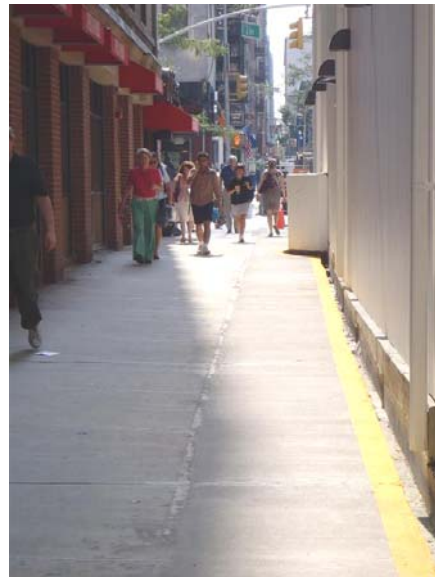
Contract 5A - JDSI

- *Complete rock excavation at North and South Shafts and cover with decking in preparation for Cavern mining work (Contract 5B)*
- *Substantial completion in mid-October and turn-over site to Contract 5B*

Contract 5B - STJV

- *Contract 5B is performing pre-construction building classification and condition surveys and installing monitoring instrumentation on buildings*
- *Perform site clearing, including muni-meters, mailboxes, and trees*
- *Cut sidewalks and set up work zones on 86th Street*

CONSTRUCTION PROGRESS – 72nd St. Shaft Work Zone



CONSTRUCTION PROGRESS – Underground looking south from base of 72nd St. Shaft



CONSTRUCTION PROGRESS – 69th St. Shaft Work Zone



CONSTRUCTION PROGRESS – Underground looking N from base of 69th St. Shaft



Controlled Rock Blasting and Removal

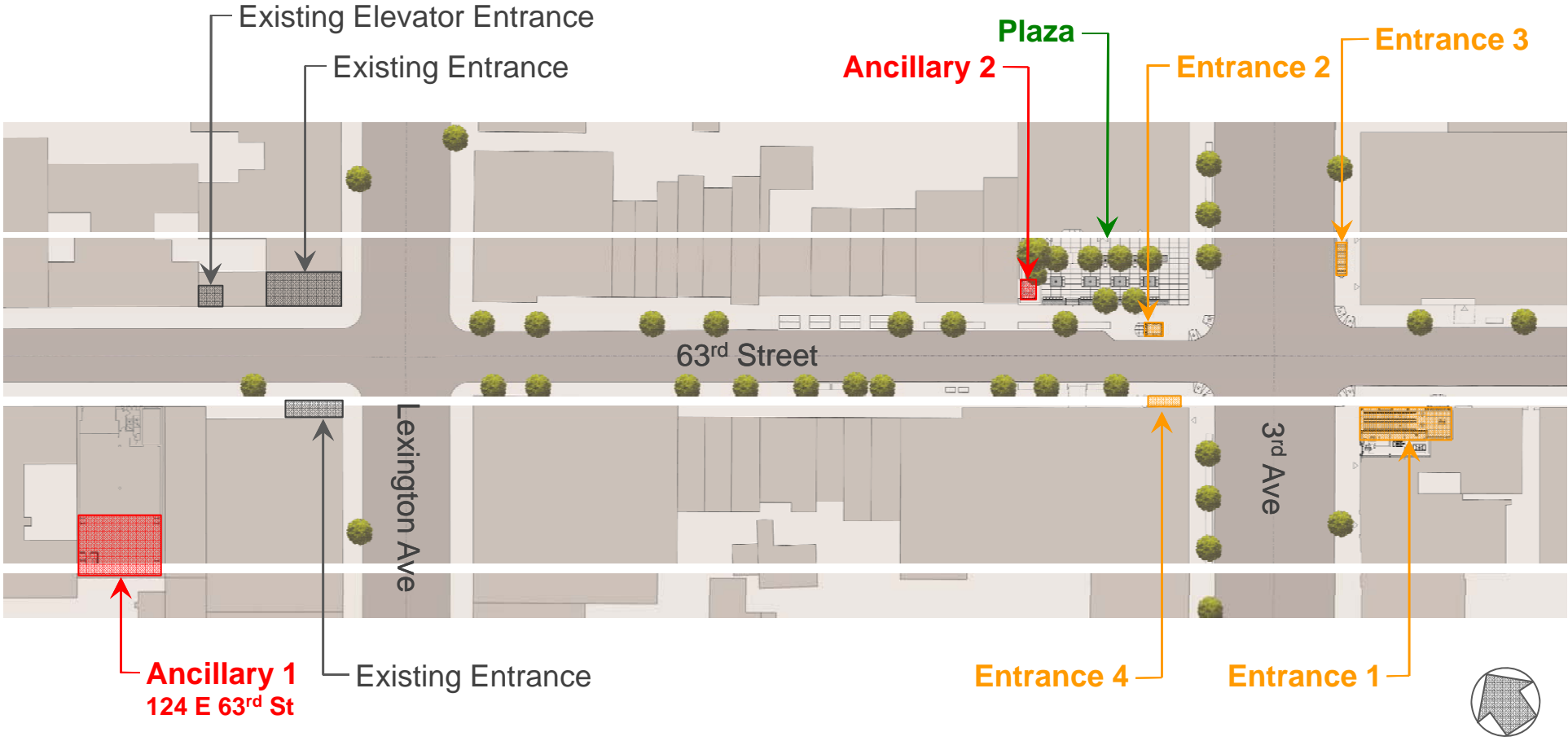
- **The safety of the public and our workers is the MTA's top priority.**
- **Controlled Blasting Plans have been designed by a Specialty Blasting Consulting Expert.**
- **The Blasting Plans have been approved by FDNY Explosives Unit.**
- **FDNY Explosives Unit permits, supervises & monitors all blasting work.**
- **The allowable vibrations caused by controlled blasting have been set at levels that are lower than the standard for similar building types.**

CONSTRUCTION LOOK AHEAD FOR 72ND STREET STATION AREA – for next 3 months

Major Operations in the next three months:

- *Continue Rock Excavation*
- *Building Demolition on the NW corner of 69th Street and NW corner of 72nd Street for excavation of Ancillary Structures 1 and 2.*
- *Continue support of excavation at Ancillary 2 (NW corner of 72nd Street)*

Rehabilitation of Existing Lexington Ave/63rd St. Station (Contract 3)



CONSTRUCTION PROGRESS: Lexington Ave/63RD St. Station area – Slab & Stairwell Demo work



Construction look ahead Lexington Ave/63RD St. Station area

Major Operations in the next three months:

- *Demolition of existing fan plant, roof and lower platform level.*
- *Prep for lowering of gantry crane for steel erection (At the Plaza 63rd & 3rd).*



Capital Construction

GOOD NEIGHBOR INITIATIVE PROGRESS

Way Finding Signage



New Community Bulletin Board



Fence Wraps

