Phase 1 Overview

- **Scope:**
  - Q train service
  - Tunnels from 92nd St to 63rd St
  - New Stations at 96th St, 86th St, and 72nd St
  - 63rd St Station Connection
  - Track & Systems from 105th St to 63rd St
  - Service between 96th St & Brooklyn via Broadway Line

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Phase 1: Target Cost-$4.451B--- Ridership 200,000 --- Target Completion Date-December 2016
Current Project Status

- The Second Avenue Subway Project is on time and on budget for a December 2016 completion.
- Overall Construction Progress is 90.75% complete as of January 1st.
- All 10 SAS Contracts have been awarded for Phase 1
- 5 Construction Contracts Completed:
  - Tunnel Boring Machine Tunneling
  - 86th St Excavation, Utility Relocation, and Road Decking
  - 96th St Site Work and Heavy Civil
  - 72nd St Cavern Mining, Tunnels and Heavy Civil
  - 86th St Cavern Mining & Heavy Civil
### 5 Active Contracts

<table>
<thead>
<tr>
<th>Street</th>
<th>Description</th>
<th>Completion %</th>
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</thead>
<tbody>
<tr>
<td>96th St.</td>
<td>Station Finishes, Systems, Ancillary Buildings and Entrances</td>
<td>90.8%</td>
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<tr>
<td>86th St.</td>
<td>Station Finishes, Systems, Ancillary Buildings and Entrances</td>
<td>87.35%</td>
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<tr>
<td>72nd St.</td>
<td>Station Finishes, Systems, Ancillary Buildings and Entrances</td>
<td>75.16%</td>
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<tr>
<td>63rd St.</td>
<td>Station Upgrade</td>
<td>95%</td>
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<tr>
<td></td>
<td>Project track, Power, Signals &amp; Communications Systems</td>
<td>73.9%</td>
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</tbody>
</table>
Rehabilitation of Existing 63rd Street Station

Station Upgrade Contract
Percent Complete: 95 %
Contract Value incl. AWOs: $190.8 M
Award Date: January 13, 2011
Forecast Completion: Spring 2016
Construction Progress

• Street/sidewalk restoration is near completion
• Entrance 1 build-out of ground floor space of 200 East 63rd Street (framing and glass) is complete. Building façade work is in progress
• Plaza granite installation is underway. Elevator enclosure work is complete
• Architectural finishes are near completion and station systems testing is underway
Current Work Zones
(SE corner of 63rd Street & Third Avenue)
Current Work Zones
(NW corner of 63rd Street & Third Avenue)

Plaza Restoration
Current Work Zones
(NW corner of 63rd Street & Third Avenue)
Current Work Zones
(NE corner of 63rd Street & Third Avenue)
Current Progress

Preparation for ceiling panel installation at mezzanine level
Current Progress

New track wall tiles at lower level platform (on 63rd Street and Lexington Avenue)
Current Progress

63rd Street station area artwork
Three-Month Look Ahead

STATION

• Completion of architectural ceilings, wall tiles, lighting and column enclosures
• Installation of elevators and escalators
• Testing of mechanical, electrical and plumbing systems in new station area
Three-Month Look Ahead

ENTRANCE 1
(200 East 63rd Street)
• Installation of finishes and tiles
• Installation of ceiling panels above escalator incline
• Artwork installation
• 200 E. 63\textsuperscript{rd} Street exterior building work
Three-Month Look Ahead

ANCILLARY 2/ ENTRANCE 2
(Northwest corner of 63rd Street and Third Avenue)

- Installation of granite and furnishings in the plaza area
- Receive materials via sidewalk access hatch on the north side of 63rd Street, west of the existing work zone

OTHER SURFACE WORK

- Installation of interior finishes at Entrance 3 (northeast corner of 63rd Street and Third Avenue) and Entrance 4 (southwest corner of 63rd Street and Third Avenue)
- Remaining sidewalk restoration work
Proposed Rendering of 63rd Street Plaza
SW corner of 63rd Street and Third Avenue
Rendering of 63rd Street Station Art Installation, Mezzanine Level (Area 5)
Artist – Jean Shin, MTA Arts and Design commissioned work
72nd Street Station

Finishes, MEP Systems, Ancillary Buildings and Entrances Contract

Percent Complete: 75.16%
Contract Value incl. AWOs: $286.1 M
Award Date: February 14, 2013
Forecast Completion: October 2016
Construction Progress

• Water treatment plant between 73rd and 74th Streets has been removed

• Ancillary 2 façade work is underway

• Entrance 3 structural work is above ground

• Ancillary 1 structural work has reached the roof level

• Entrance 1 construction continues

• Continuing with mechanical and electrical equipment installation in station and ancillaries

• Systems contractor has commenced installation of communications and signaling equipment
Current Progress

Mezzanine Level Service Carrier Steel Framing Installation
Current Progress

Main station (mezzanine level) – floor tile installation
Current Progress

Ancillary #2 NW corner 72nd Street
Current Progress

Ancillary #1 NW corner 69th Street
Entrance 3 (southeast corner of 72nd Street and Second Avenue) at street level
Current Progress

Entrance 1 (northeast corner of 69th Street and Second Avenue)
Three-Month Look Ahead

Main Station Cavern:

- Service carrier, mechanical, electrical and plumbing systems installation, including: wall tiles, floor tiles, ceiling panels, conduits and duct work at mezzanine level
- Installation of service carrier and ceiling panels at the platform level
- Installation of escalators and elevators from mezzanine to platform level
- Cable pulling through finished conduits continuing
- Continued track work in station area
Three-Month Look Ahead

Entrance 1:
• Installation of concrete lining for the underground portion of the entrance escalator incline
• Conduit work to start after concrete lining
• Continue work for entrance structure at street level and installation of street level escalator

Ancillary 1, Ancillary 2, Entrance 3
• Construction of Ancillary 1 and Entrance 3 structures
• Concrete pumping at Ancillary 1 and Entrance 3
• Equipment delivery and installation at Ancillary 1, Ancillary 2 and Entrance 3
• Electrical and mechanical equipment installation at Ancillaries 1 and 2
• Façade installation at Ancillaries 1 and 2
Three-Month Look Ahead

Miscellaneous

- Concrete truck staging as needed between 74th and 75th Streets
- Use of access hatches at Ancillary 1 and Ancillary 2 to deliver materials to the station
- Sidewalk restoration work to commence
86th Street Station

Finishes, Entrances, Ancillaries, and MEP Systems Contract

Percent Complete: **87.35%**

Contract Value: **$223,000,000**

Award Date: **June 12, 2013**

Forecast Completion: **October 2016**
86th Street Station Milestones

- The structural frame for the elevator at East 86th Street has been installed

- A total of ten of the thirteen escalators have been installed in the station
Installation of wall panels and flooring tiles
Installation of escalators at entrance 2 (north side of 86th Street) and architectural ceiling
Three Month Look Ahead
86th Street Station Area

East 78th to East 79th Streets – (Center of Second Avenue)
The center work zone on Second Avenue between 78th and 79 Street will be maintained to pour concrete for tracks in the underground tunnels

East 82nd to East 85th Streets
- Water main replacement work will continue on the west side of Second Avenue between 83rd and 84th Streets
- Sidewalk restoration on the west side of Second Avenue between 82nd and 84th Streets is ongoing.
- Construction of the Ancillary 1 building (northwest corner of 83rd Street) has reached full height. Above ground work will continue, including installation of building finishes

East 86th Street to East 87th Streets
- Construction of the Ancillary 2 building on the northwest corner of 86th Street will reach street level in the spring
- The contractor continues to receive deliveries of equipment at the Ancillary 2 location (northwest corner of 86th Street) and the 87th Street access shaft
Three Months Construction Look Ahead

East 86th Street to East 87th Streets (continued)

• Work zones currently on the east side of Second Avenue between East 85th and East 87th will move to the west side in early summer

East 86th Street between 1st and 2nd Avenues

• The structural frame for the elevator at East 86th Street has been installed

• Traffic lanes have been reduced to two eastbound lanes and one westbound bound lane
Three Month Look Ahead
86th Street Station Area

Underground Construction

- Installation of concrete masonry walls at the platform, mezzanine, and upper mezzanine levels
- Installation of architectural finishes: wall panels, floor tile, acoustic panels, and service carriers on the platform and mezzanine levels continues
- Installation of HVAC ductwork, insulation, chillers, transformers, and control panels at all levels
- Installation of electrical conduit at all levels of the station and entrances.
Elevator entrance at East 86th Street
86th Street Entrance 1 Rendering
83rd Street and Second Avenue
Rendering of 86th Street Station Art Installation
Artist – Chuck Close, MTA Arts and Design commissioned work
Portraits in mosaic and tile representing NYC cultural figures & family
96th Street Station

Finishes, MEP Systems, Ancillary Buildings and Entrances Contract

Percent Complete: 90.8%
Contract Value: $324,600,000
Award Date: June 22, 2012
Forecast Completion: October 2016
96th Street Station Progress

Contract C2B is 90.8% complete

• Utility work continues on the west side of Second Avenue.
• Road base pouring has started on blocks where utility work is complete
• Installation of wall tiles, ceiling panels at platform and mezzanine level
• Facility power equipment turned over to Con Edison. Permanent power expected in February
• Customer service booth on mezzanine and dispatcher booth on platform levels nearing completion

Elevator installation between platform and mezzanine
Ruppert Park completed sidewalk
West side of Second Avenue 90\textsuperscript{th} – 91\textsuperscript{st} Street
Curb pour and preparation for sidewalk and road base

Southwest corner 92nd Street & Second Avenue
Ancillary 1 sample cladding
Northeast corner 93rd Street & Second Avenue
North customer service booth (token booth)
Entrance 3 mezzanine level, 96th Street & Second Avenue
Mezzanine wall tile mockup
Crossover tracks

92nd Street & Second Avenue
Entrance 3 escalators
96th Street & Second Avenue
Three-Month Look Ahead

• Completion of surface utility work on west side of Second Avenue between 91st Street and 99th Street

• Continue pouring road base and begin asphalt pouring on west side of Second Avenue

• Completion of west side sidewalk restorations between 90th and 104th Streets

• Shift to the east side of Second Avenue. Commencement of sidewalk restoration from 91st to 102nd Streets

• Installation of wall tiles, ceiling panels at platform and mezzanine level.
96th Street Entrance 3 rendering
SW corner 96th St and Second Avenue
Rendering of 96th Street Station proposed art installation
Artist – Sarah Sze, MTA Arts and Design
Systems Installation

- Low Vibration Track (LVT) System Being Installed
  - Track to be installed: 22,000 ft.
  - Track installed to date: 15,155 ft.
    (concreted to date)
  - Aluminum 3rd rail installed: 13,500 ft.
  - 96th St. Station Interlocking and 72nd St. Station South Interlocking are complete. 72nd St. North interlocking scheduled to be completed 1/26/16.

  Note: Track as reported here consists of 2 rails and includes Special Work Portions

- Traction Power work ongoing for three substations and four circuit breaker houses
  - Traction Power Substation installation at 72nd St. Station nearing completion
  - Pulling of Traction Power Feeder cables is ongoing

Installation of Special Work Portion complete at 96th St.
Systems Installation

- Signal equipment being installed in relay rooms and central instrumentation room. Wayside equipment installation 95% complete.
- Contractor 95% complete pulling fiber optic and copper cables at 63rd and 72nd Street Stations. Work ongoing at 86th and 96th Street Stations.
- Installation of all communication room equipment and wiring ongoing at 72nd, 86th and 96th Street Stations.
- Installation of inter-station communication cables completed between 86th Street and 105th Street.

96th St. Traction Power Substation Equipment Installation ongoing.

Track, Power, Signals and Communications Systems Contract
Percent Complete: 73.9%
Contract Value incl. AWOs: $282.8 M
Award Date: January 18, 2012
Forecast Completion: October 2016