



ADA Accessibility Upgrades at 46th St – Bliss St 7 Station

Queens CB2 Transportation
Committee Briefing

ADA Package 5
Design-Builder: Judlau
PMC: AECOM

June 4, 2024



Construction &
Development



Project Scope

ADA Improvements:

- 2 new street-to-platform elevators; one each on Flushing-bound and Manhattan-bound sides
- 2 new street-to-platform stairs; one each on Flushing-bound and Manhattan-bound sides
- 4 mezzanine-to-platform stair replacements (2 on each side)
- New ADA raised boarding area on each platform
- New platform edge tactile strips for full length of platforms

Infrastructure Improvements:

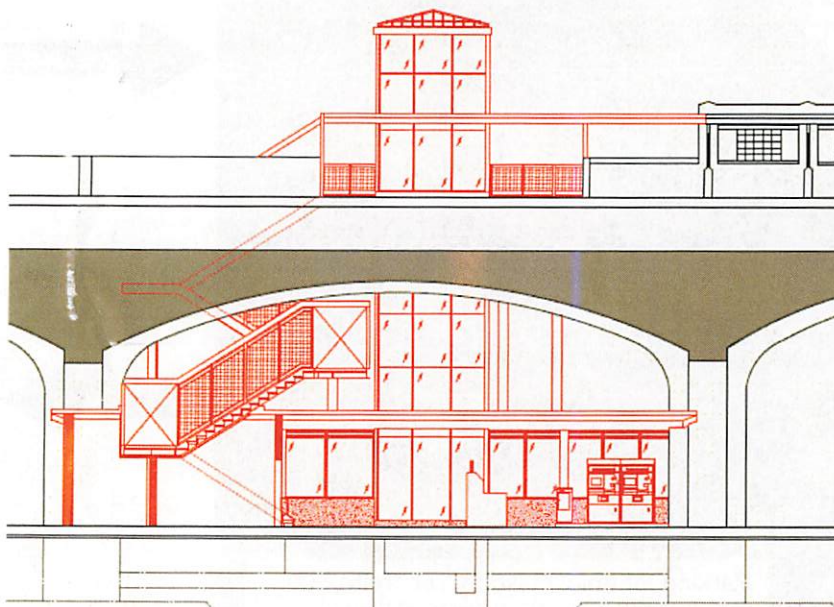
- 2 new street-level headhouses and fare control areas
- Platform canopy extensions
- New HVAC, lighting, and fire alarms

Station Environment Improvements:

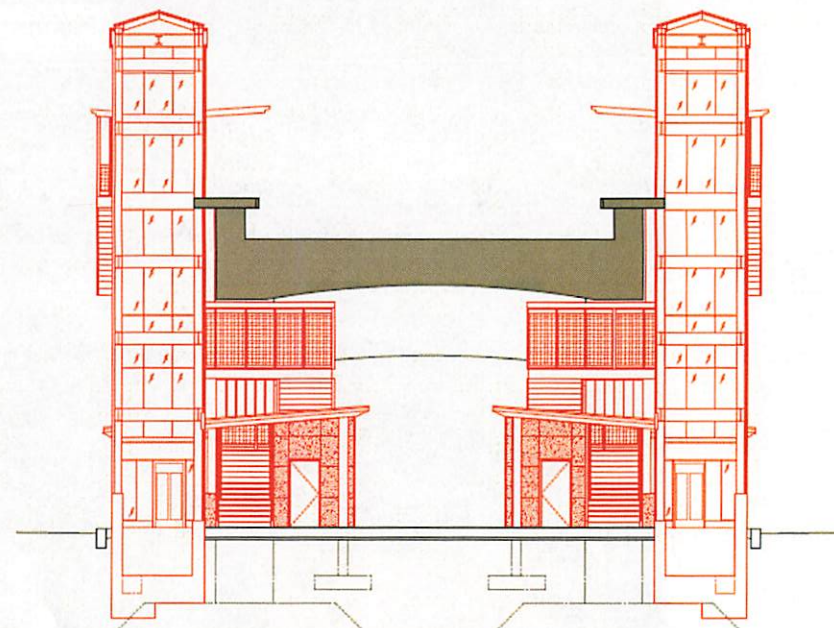
- Pedestrianization under station viaduct
- Art & Design preservation and relocation (“Q is for Queens” stained glass windows on platform level)
- Preservation of historic features such as concrete viaduct (material, color, and finish matching)

Headhouse and Stairway Transverse Section Diagram

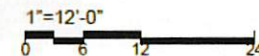
DRAFT DESIGN



LONGITUDINAL SECTION



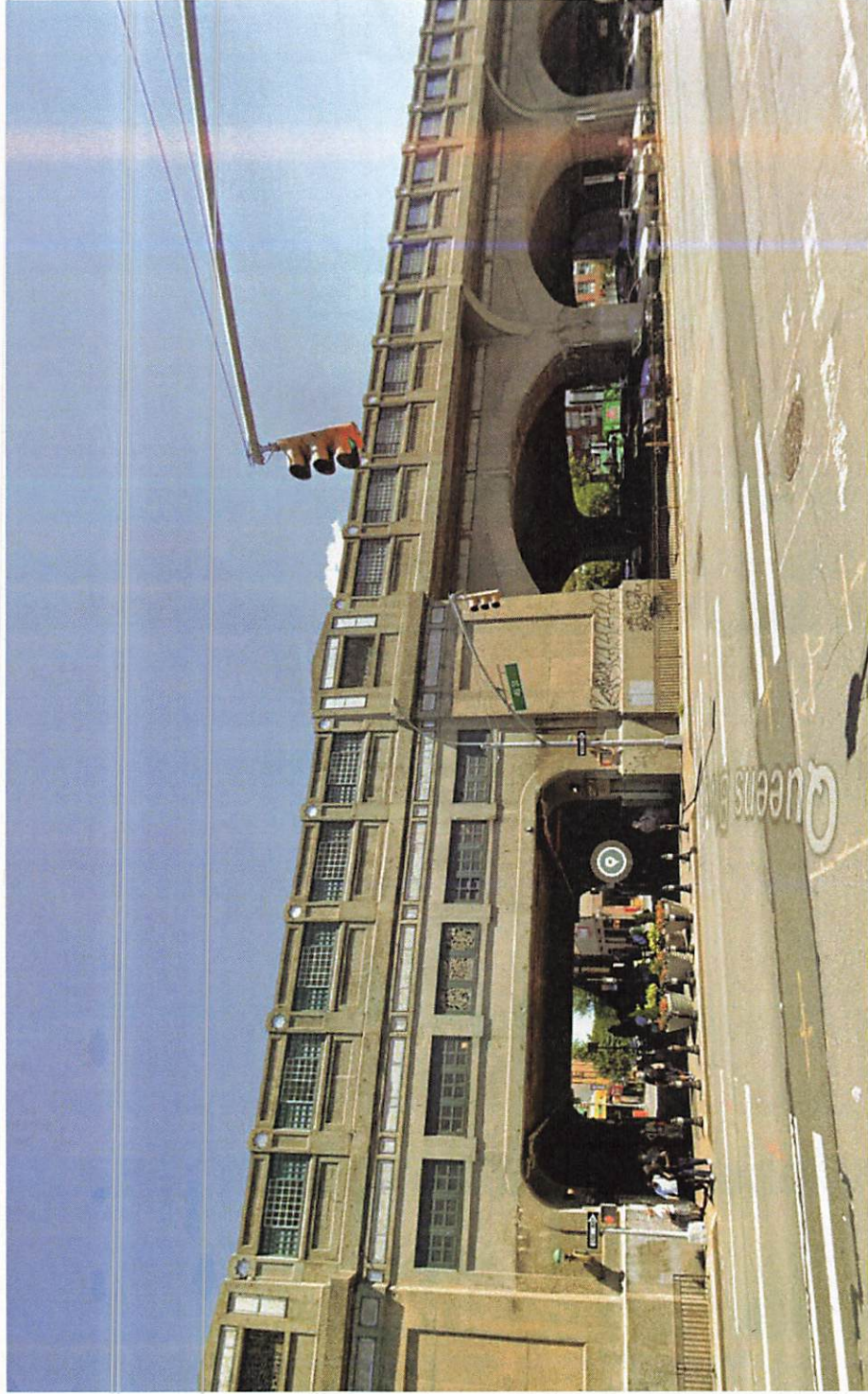
CROSS SECTION



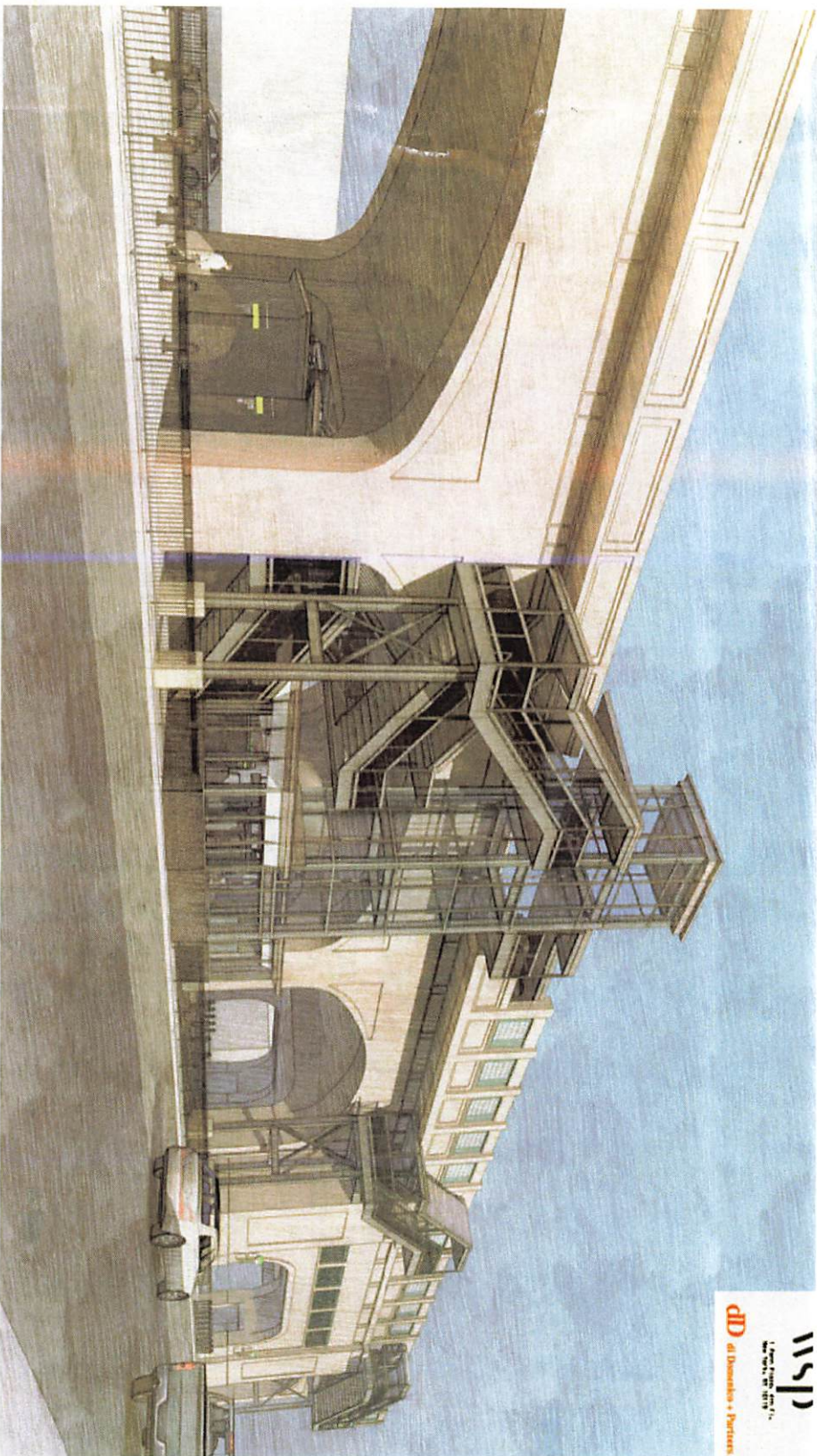


46th St – Bliss St

Before: View of Station from Queens Boulevard



DRAFT Rendering: New Elevator and Staircase from Queens Boulevard

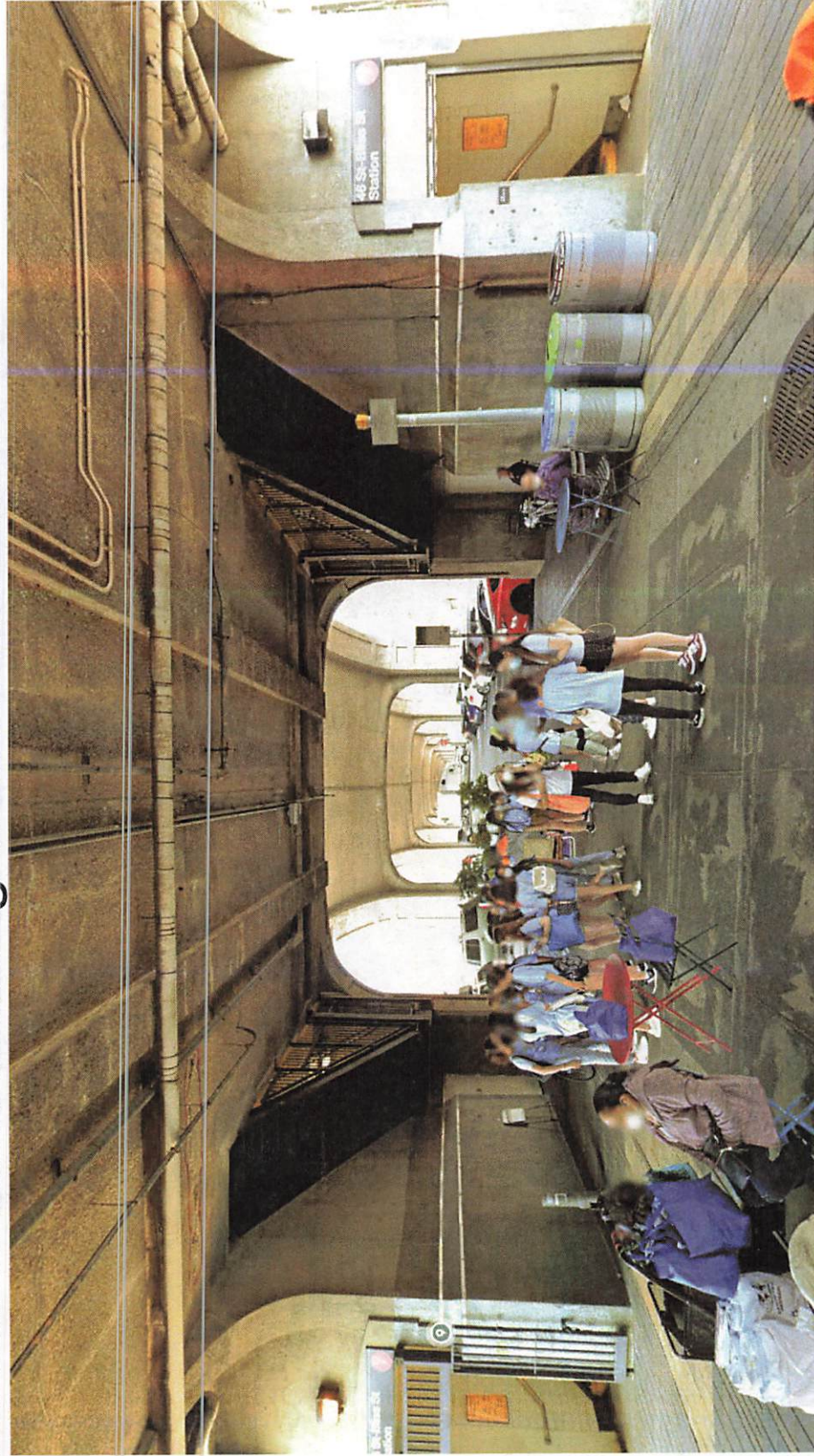


WSP
Landscape Architecture
and Planning
AD di Domenico + Partners



46th St — Bliss St

Before: *View looking west from Bliss Plaza*



DRAFT Rendering : New Elevator Street Entrance



wsp
The City Planning Firm
DD di Domenico + Partners



46th St — Bliss St

DRAFT Rendering: Platform-Level Elevator Entrance



wsp
ARCHITECTS
100 WALL STREET, SUITE 1000
NEW YORK, NY 10038
dD
of Design + Partners

Construction Timeline *All dates subject to change*

Activity	Approximate Dates
MTA is coordinating with local utilities, NYCDOT, and other agencies as needed.	Ongoing
Barrier and Maintenance and Protection of Traffic (MPT) Installation	Mid-June 2024
Demolition, Excavation, Utility, and Construction work	Mid-June 2024 - 2026
Project slated to be substantially complete	Q3 2026

*** Because design is not yet finalized, these are approximate dates**

- ADA Package 5 is a Design-Build package and builds on the MTA's successful completion of first Design-Build package earlier this year.
- MTA Construction & Development is increasingly implementing new and innovative contracting methods like Design-Build to deliver projects better, faster, and cheaper.

MPT & Street-Level Work Zone Staging

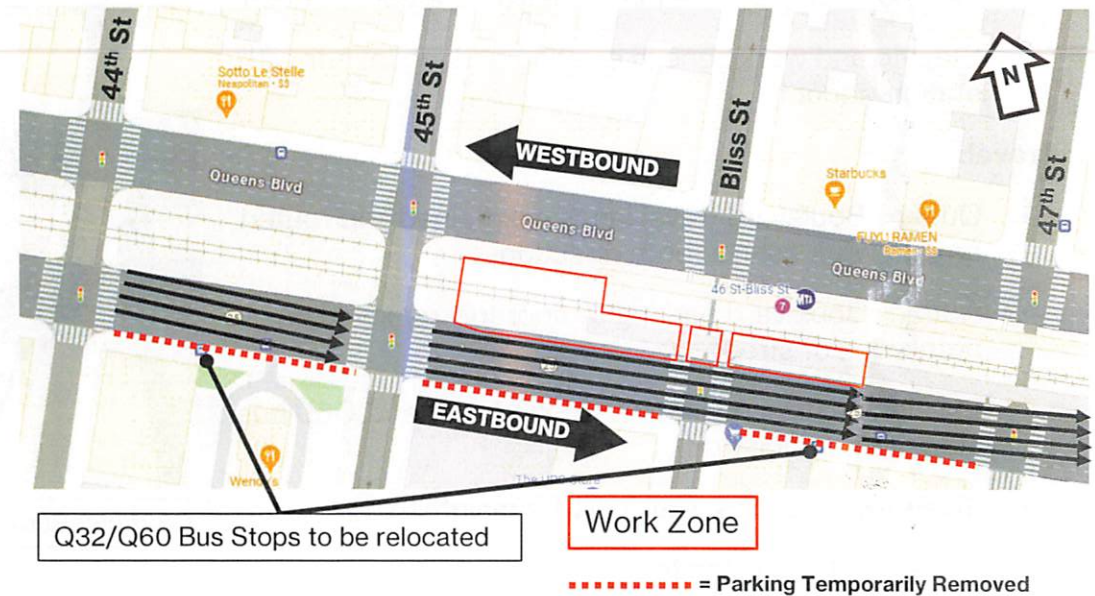
Phase 1 MPT:

- **Construction:**

- Utility support and construction
- Staging and work zone in existing parking lot beneath station viaduct

- **Travel:**

- Westbound Queens Blvd traffic flows normally
- Eastbound Queens Blvd travel lanes routed around work zones
- Eastbound Queens Blvd street parking temporarily removed
- Eastbound Q32 and Q60 bus stops to be relocated
- Sidewalks and crosswalks will be maintained
- Access to Bliss Plaza to be maintained



MPT & Street-Level Work Zone Staging

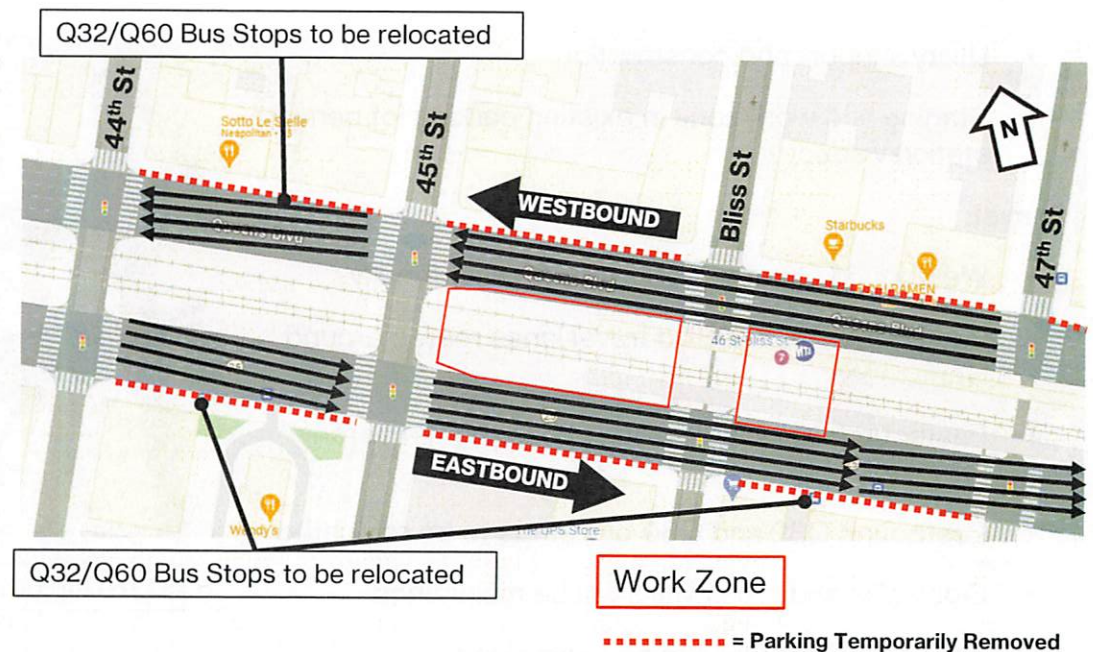
Phase 2 MPT:

• **Construction:**

- Elevator, stair, and station infrastructure construction
- Staging and work zone in existing parking lot beneath station viaduct

• **Travel:**

- Queens Boulevard travel lanes maintained and routed around work zone in both directions
- Queens Boulevard parking temporarily removed on both sides of street
- Existing eastbound and westbound Q32 and Q60 bus stops to be relocated
- Sidewalks and crosswalks will be maintained
- Access to Bliss Plaza to be maintained

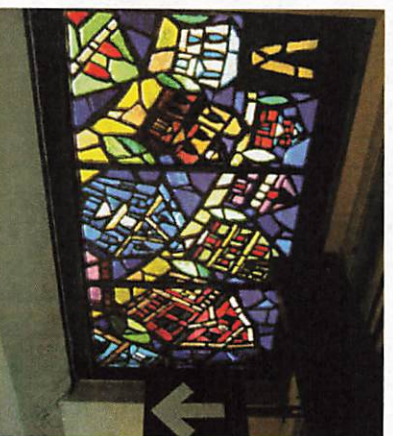
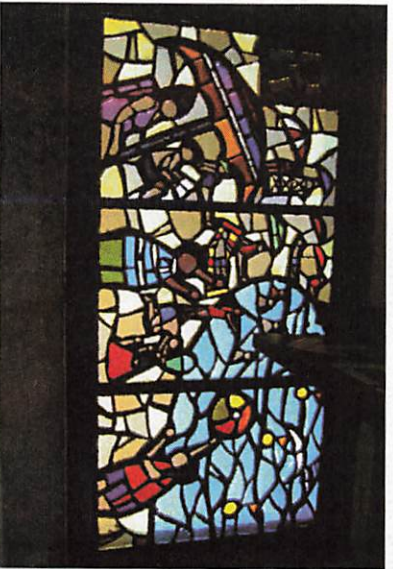
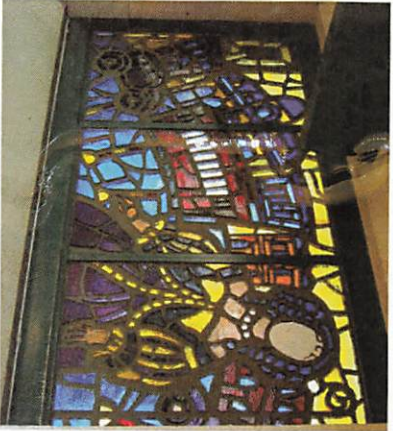


Construction & Service Impacts

- Most construction will take place during regular DOT approved hours from 7AM-4PM.
- During some phases of construction, evening work will be required to minimize impact to rush hour traffic.
 - Evening shift (3:00PM-11:00PM)
 - Whenever evening work is required, we will notify community well in advance.
 - Noise monitoring and mitigation methods will be used to limit disturbances to the public.
- Staircase closures to occur in 3-month increments between April 2025 and April 2026
 - Only one staircase will be shut down at any given time during construction, ensuring access to the station.
- During elevator construction, platforms will require limited closures.
 - Weekend work (10:00PM Friday to 5:00AM Monday)
 - Weekday midday work (10:30AM to 3:00PM)
 - Only one direction to be impacted per closure
 - Public communications will be made in advance for any service changes.

Arts & Design Impacts

- 4 windows from “Q is for Queens” artwork by Yumi Heo (1999) will be removed from their current locations, stored, and protected.
- Artwork will be reinstalled in new locations
- Removal necessary to relocate mezzanine-to-platform stairs



Windows “Q,” “R,” “U,” and “V” to be relocated

Image Source: [Robbie Rosenfeld](#)

Public Outreach Contacts

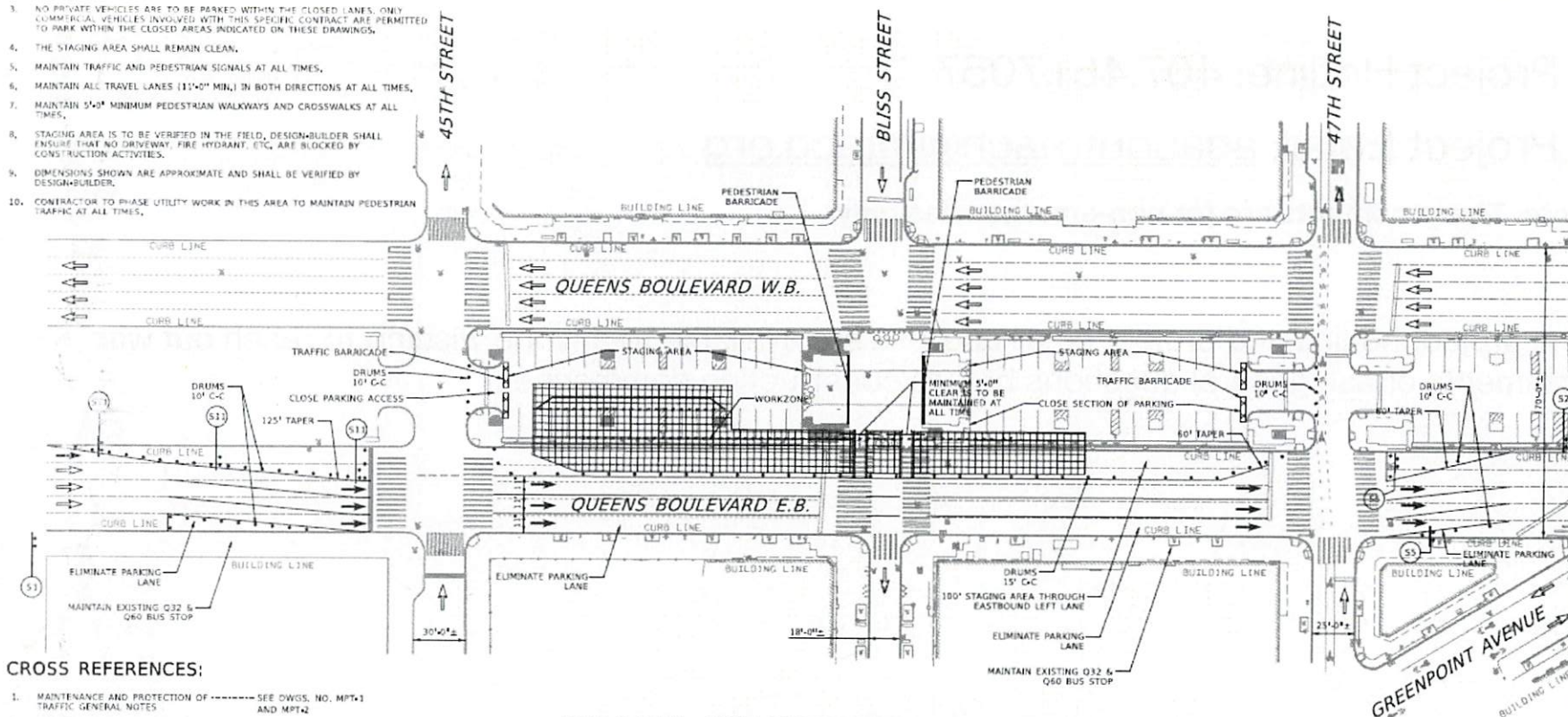
- Project Hotline: 407.461.7057
- Project Email: ada5outreach@mtacd.org

Note: These contacts are for non-emergencies only.

The project hotline and project email address are available to anyone wishing to reach out with comments or ask general questions before construction commences.

NOTES:

1. DESIGN-BUILDER IS TO FOLLOW DOT STIPULATIONS FOR SIDEWALK AND PARTIAL STREET CLOSURES.
2. DESIGN-BUILDER WILL BE REQUIRED TO SUBMIT MPT DRAWINGS THAT COMPLY WITH MUTCD IN ORDER TO OBTAIN DOT PERMITS.
3. NO PRIVATE VEHICLES ARE TO BE PARKED WITHIN THE CLOSED LANES. ONLY COMMERCIAL VEHICLES INVOLVED WITH THIS SPECIFIC CONTRACT ARE PERMITTED TO PARK WITHIN THE CLOSED AREAS INDICATED ON THESE DRAWINGS.
4. THE STAGING AREA SHALL REMAIN CLEAN.
5. MAINTAIN TRAFFIC AND PEDESTRIAN SIGNALS AT ALL TIMES.
6. MAINTAIN ALL TRAVEL LANES (11'-0" MIN.) IN BOTH DIRECTIONS AT ALL TIMES.
7. MAINTAIN 5'-0" MINIMUM PEDESTRIAN WALKWAYS AND CROSSWALKS AT ALL TIMES.
8. STAGING AREA IS TO BE VERIFIED IN THE FIELD, DESIGN-BUILDER SHALL ENSURE THAT NO DRIVEWAY, FIRE HYDRANT, ETC. ARE BLOCKED BY CONSTRUCTION ACTIVITIES.
9. DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY DESIGN-BUILDER.
10. CONTRACTOR TO PHASE UTILITY WORK IN THIS AREA TO MAINTAIN PEDESTRIAN TRAFFIC AT ALL TIMES.
11. SCHEMATIC LAYOUTS SHOWN ARE GENERAL DEPICTIONS AND DO NOT ADHERE TO OR MEET THE REQUIREMENTS OF THE MUTCD.
12. OCMC PERMITS FOR THE MAIN WORKS WILL NOT BE ISSUED UNTIL THE PLANS ARE APPROVED BY THE NYCDOT.



CROSS REFERENCES:

1. MAINTENANCE AND PROTECTION OF ----- SEE DWGS. NO. MPT-1 AND MPT-2
2. CONSTRUCTION SIGN TABLE ----- SEE DWG. NO. MPT-40
3. WORK DURATION ----- SEE DWG. NO. MPT-3

1 STREET LEVEL

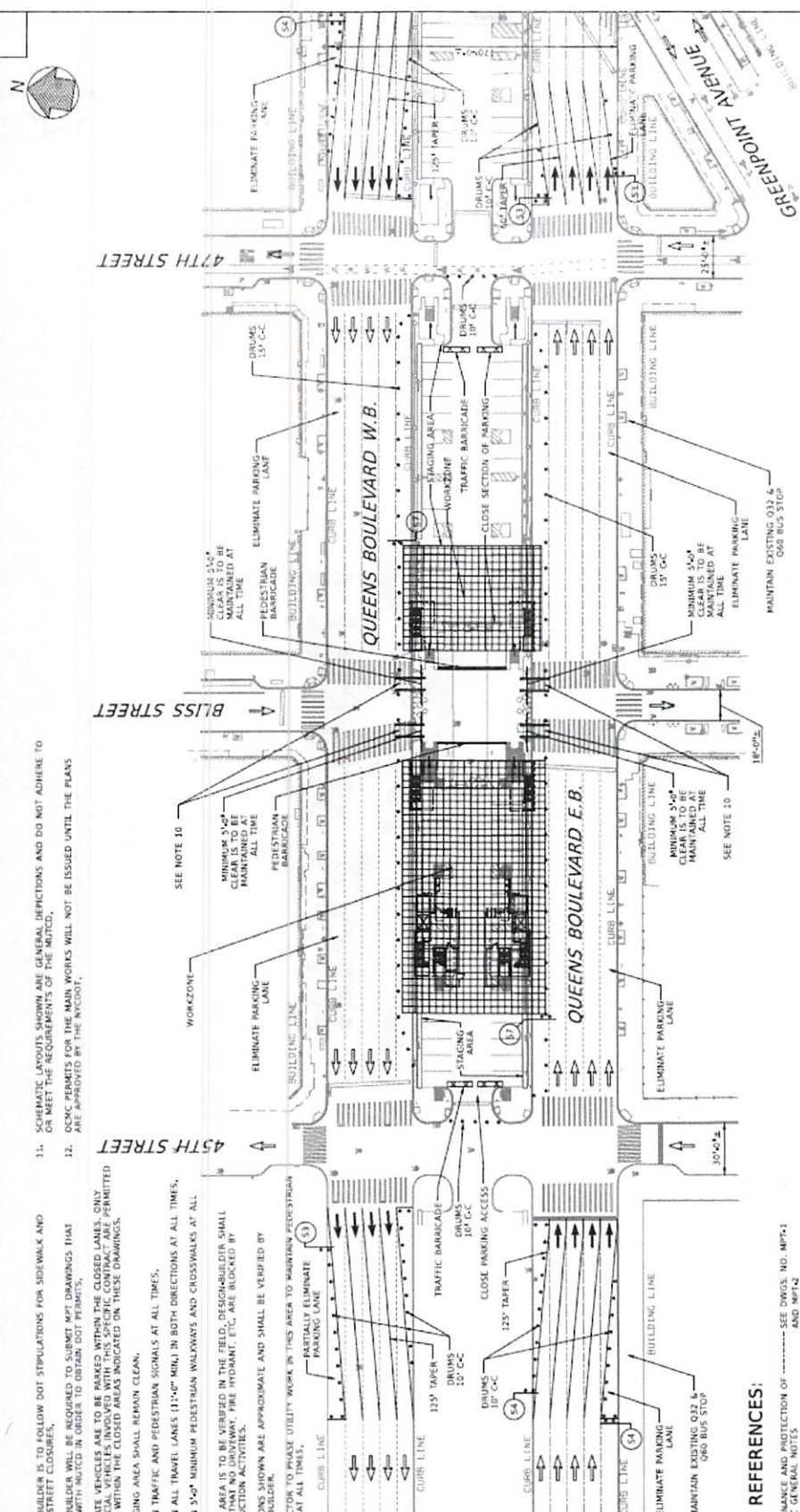
46TH STREET - BLISS STREET STATION MPT - STREET LEVEL PLAN
LEFT LANE E.B. CLOSURE - FOR CONSTRUCTION OF SECTION OF UTILITY LINES
LEFT LANE E.B. AND W.B. CLOSURE - FOR CONSTRUCTION OF SECTION OF UTILITY LINES,
ELEVATORS, STAIRS AND THREE STATION ROOMS

N.T.S.

Phase 1

NOTES:

1. DESIGN/BUILDER IS TO FOLLOW DOT STIPULATIONS FOR SIDEWALK AND PARALLEL STREET CLOSURES.
2. DESIGN/BUILDER WILL BE REQUIRED TO SUBMIT MPT DRAWINGS THAT COMPLY WITH MPT IN ORDER TO OBTAIN DOT PERMITS.
3. NO PRIVATE VEHICLES ARE TO BE PARKED WITHIN THE CLOSED LANES. ONLY PERMITTED TO PARK WITHIN THE CLOSED AREAS INDICATED ON THESE DRAWINGS.
4. THE STAGING AREA SHALL REMAIN CLEAN.
5. MAINTAIN TRAFFIC AND PEDESTRIAN SIGNALS AT ALL TIMES.
6. MAINTAIN ALL TRAVEL LANES (11'-6" MIN) IN BOTH DIRECTIONS AT ALL TIMES.
7. MAINTAIN 5'-0" MINIMUM PEDESTRIAN WALKWAYS AND CROSSWALKS AT ALL TIMES.
8. STAGING AREA IS TO BE VERIFIED IN THE FIELD. DESIGN/BUILDER SHALL ENSURE THAT NO DRIVEWAY, FIRE HYDRANT, ETC. ARE BLOCKED BY CONSTRUCTION ACTIVITIES.
9. DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY DESIGN/BUILDER.
10. CONTRACTOR TO PHASE UTILITY WORK IN THIS AREA TO MAINTAIN PEDESTRIAN TRAFFIC AT ALL TIMES.



Phase 2
46TH STREET - BLISS STREET STATION MPT - STREET LEVEL PLAN
LEFT LANE E.B. AND W.B. CLOSURE - FOR CONSTRUCTION OF ELEVATORS,
STAIRS AND THREE STATION ROOMS
 N.T.S.

CROSS REFERENCES:

1. MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL NOTES AND MPT-2
2. CONSTRUCTION SIGN TABLE - SEE DWG. NO. MPT-40
3. WORK DURATION - SEE DWG. NO. MPT-3

1 STREET LEVEL



**Thank you!
Questions?**