



Astoria Boulevard ADA and Station Renewal Track Improvements

February 19, 2019

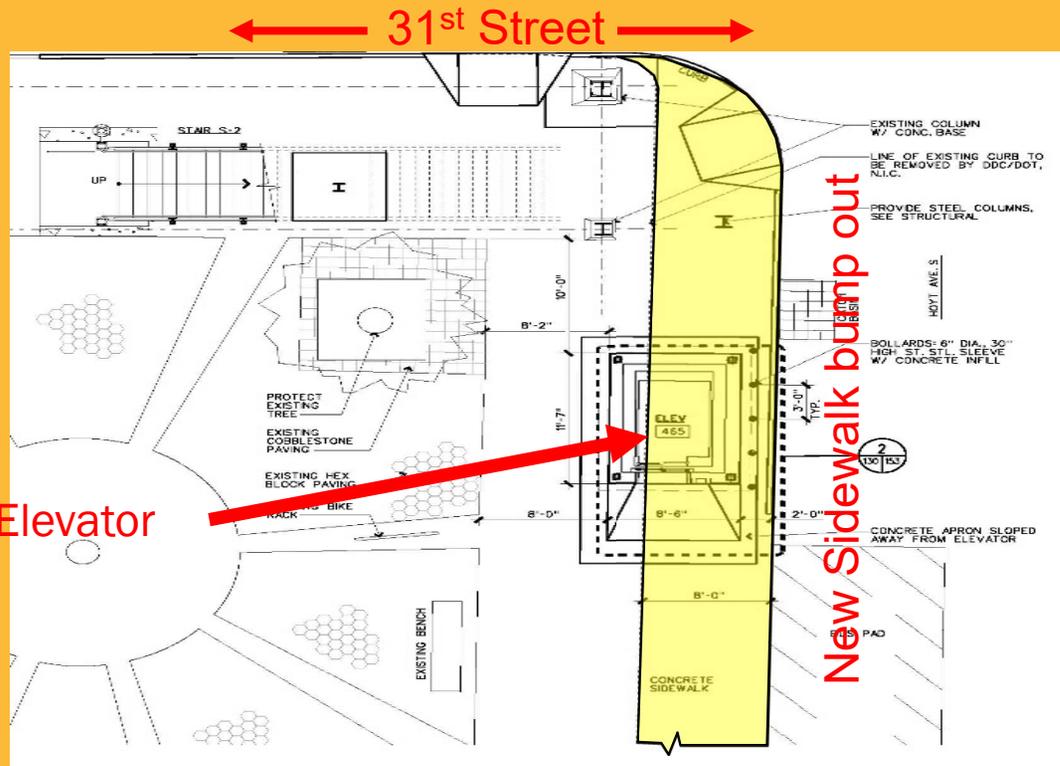
Major Scope of Work

Work Description
• Replace Street and Platform Stairs
• Install Two Street-to-Mezzanine Elevators
• Install Two Mezzanine-to-Platform Elevators
• Demolish and Rebuild Entire Mezzanine. Raise Underside of Mezzanine and Lower Street Surface to Prevent Future Vehicular Hits
• Reinforce Street Columns and Foundations For Additional Loads due to Elevators and New Facilities
• Replace Platform Roofs (Wooden Canopies) and Mezzanine Overpass Walkway Roofs

Street Elevator at Columbus Triangle

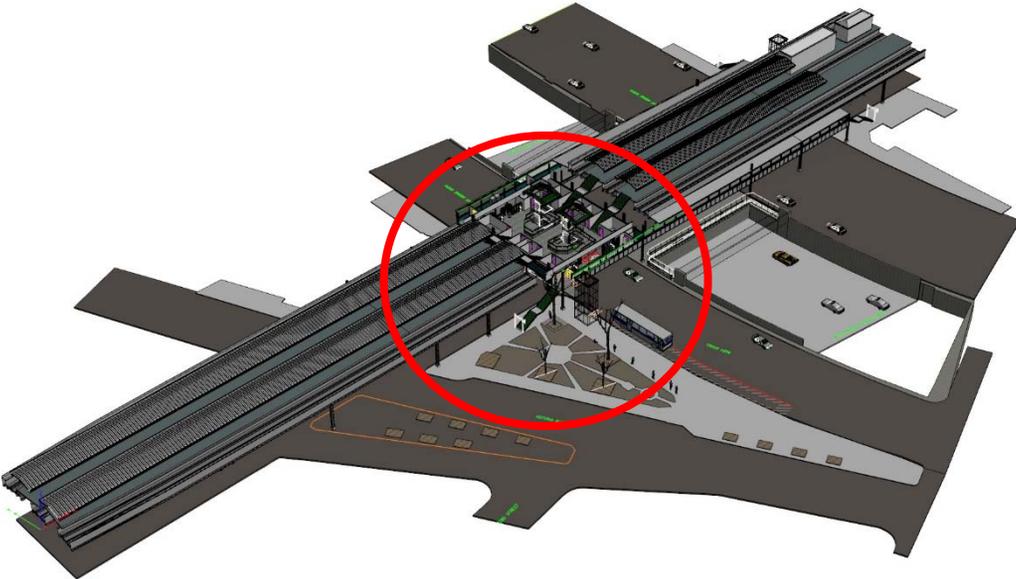
North

New Street Elevator

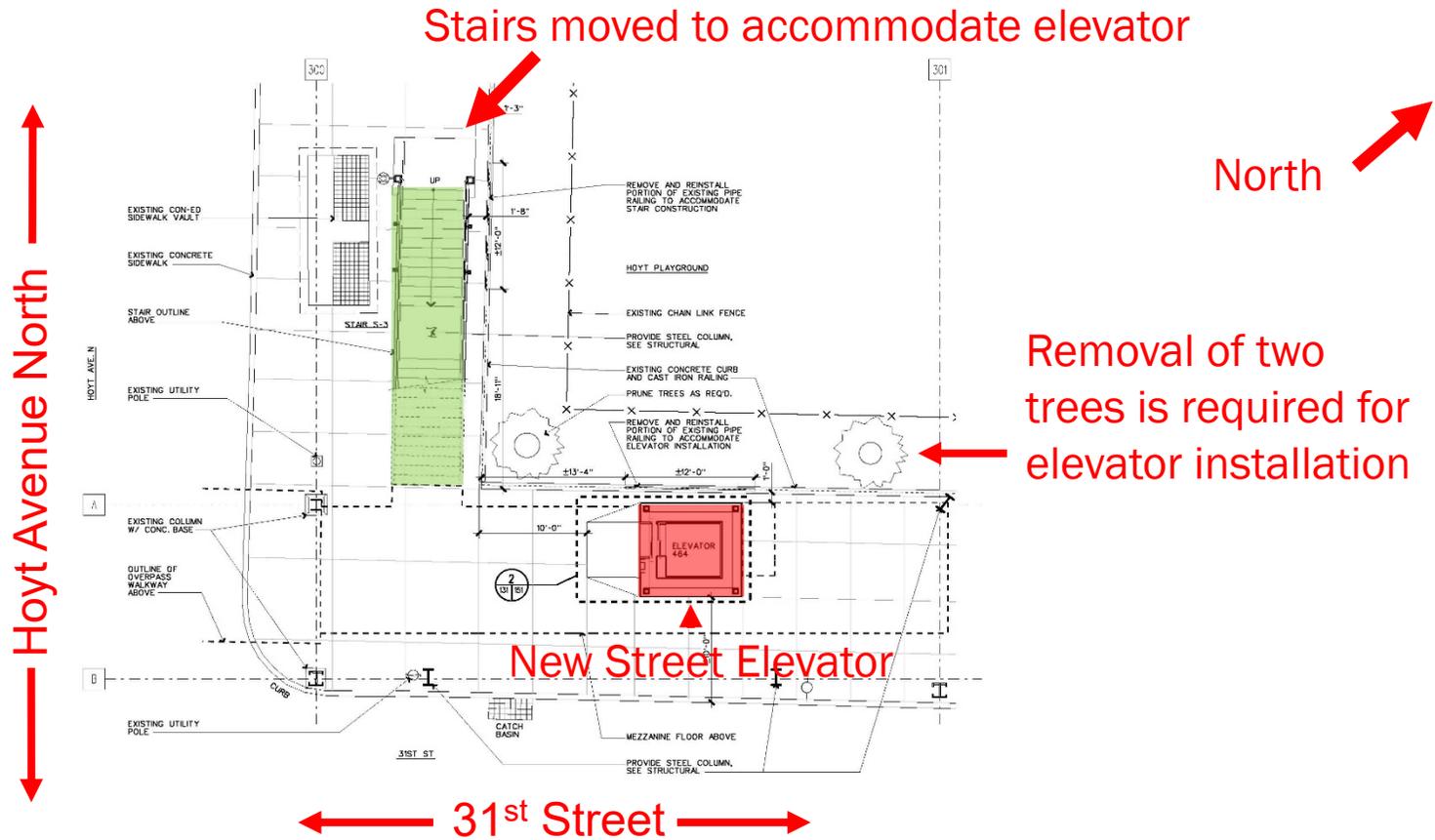


Street Elevator at Columbus Triangle

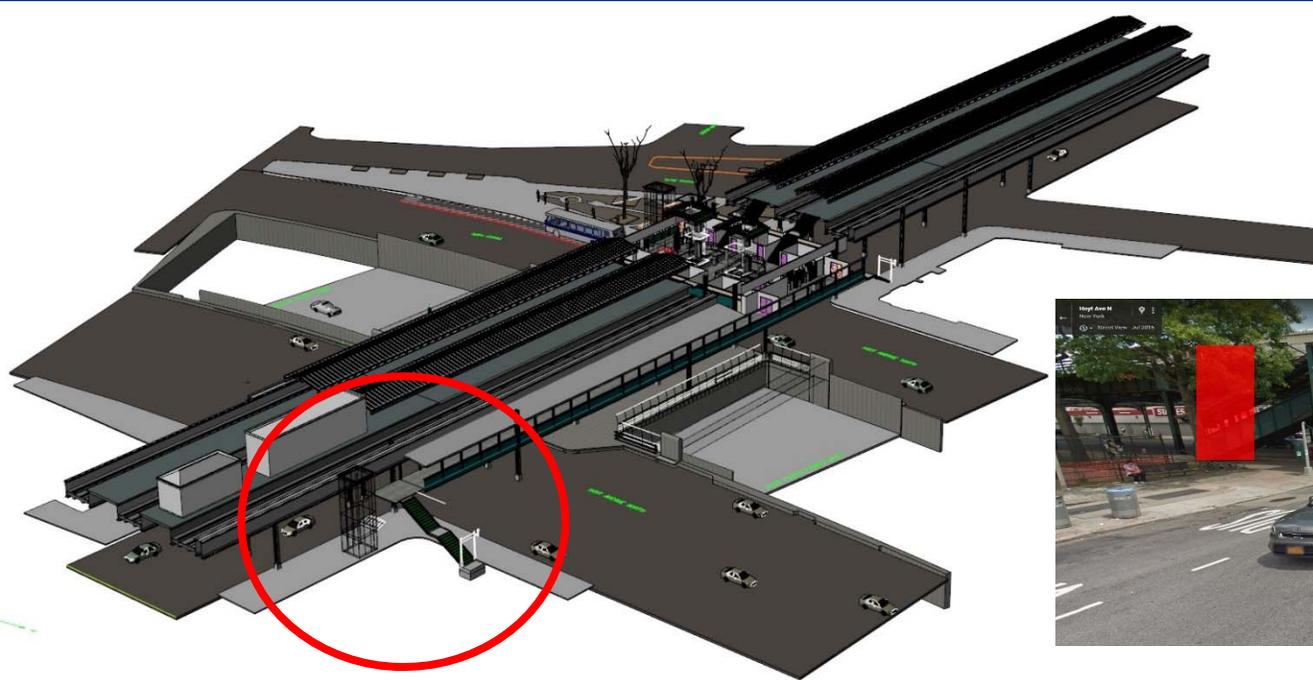
New Street Elevator Locations



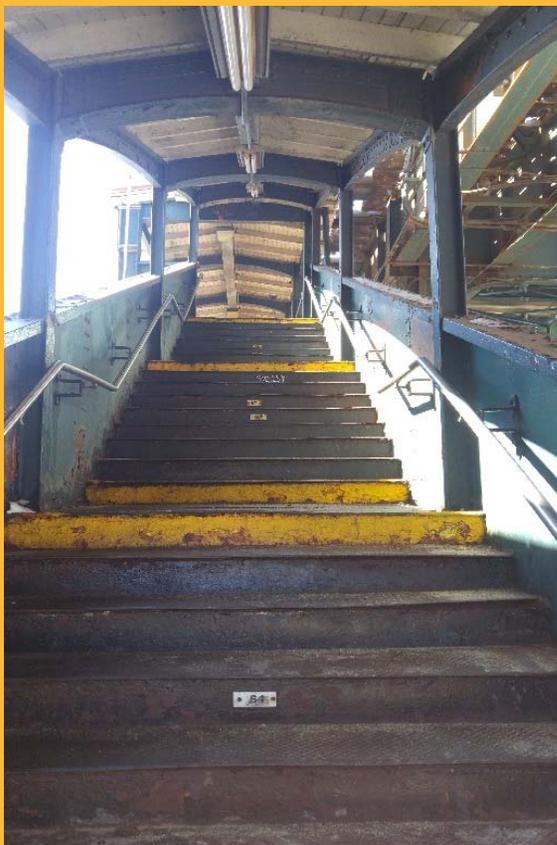
Street Elevator at Intersection of 31st Street and Hoyt Avenue North



Street Elevator at Intersection of 31st Street and Hoyt Avenue North



Replacement of Street-to-Mezzanine and Mezzanine-to-Platform Stairs



Concrete Slab and Topping Repair



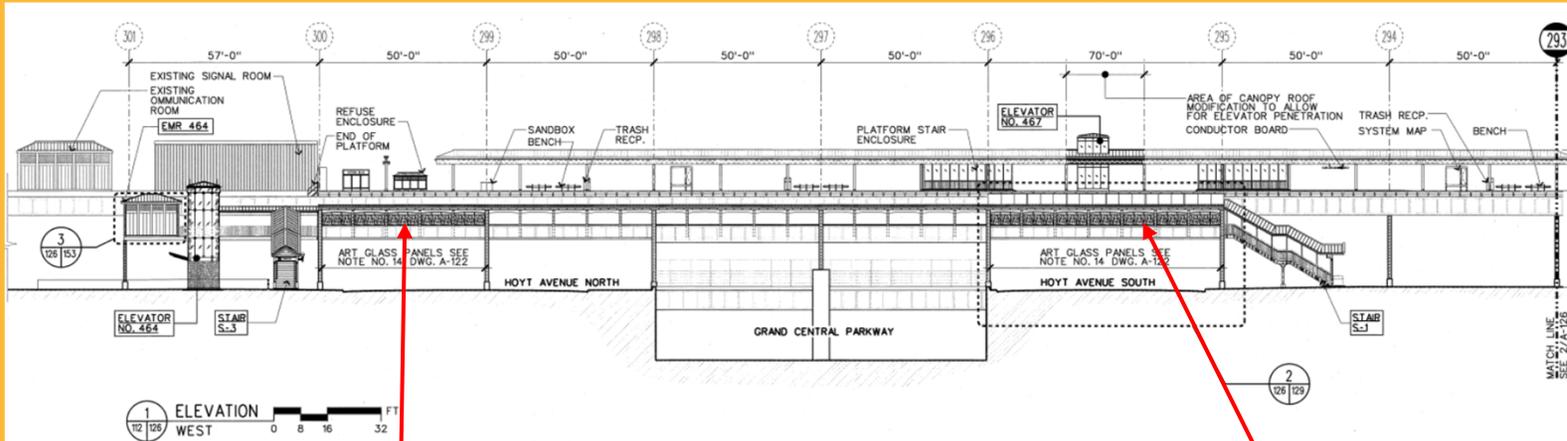
Steel Repair



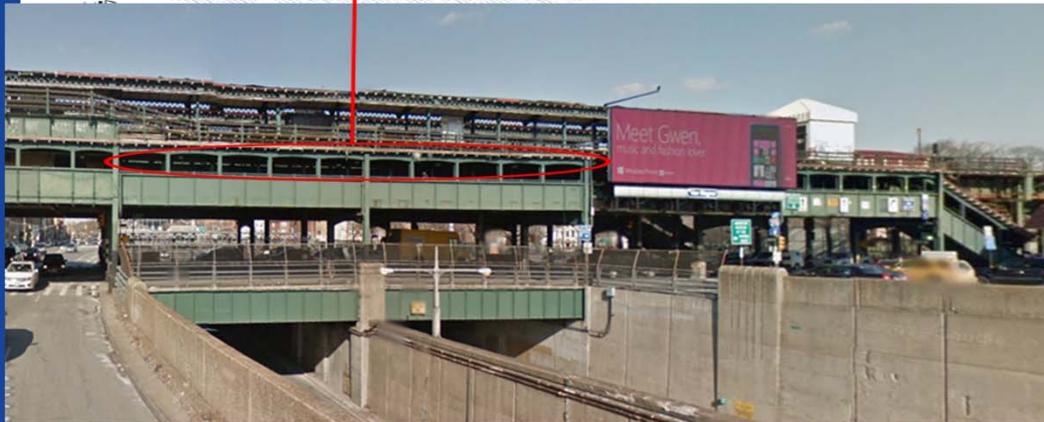
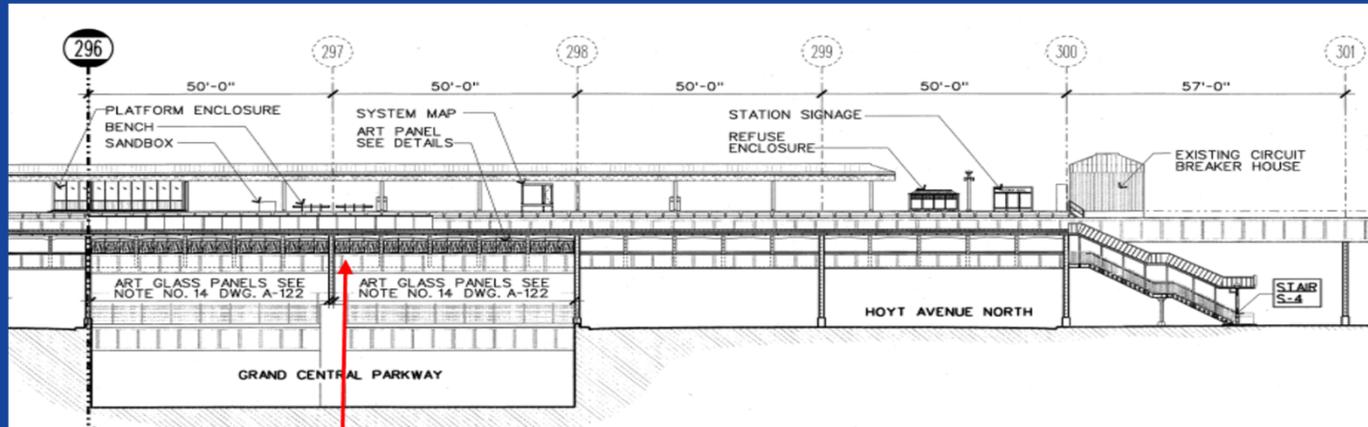
Replacement of Mezzanine Walkways at Hoyt Avenue North and South



West Elevation – Art Glass Panels



East Elevation – Art Glass Panels



Platform Scope of Work



Work Description

ADA Boarding Zone

New Platform Edges

Replace Damaged Platform Precast Planks and Repair Concrete Cast in Place Slab

Repair Damaged Steel

Replace Existing Platform Canopies Damaged during Hurricane Sandy

Replace Existing Stair Refuge Enclosure with New Glass Enclosure at all Four Platform Stairs

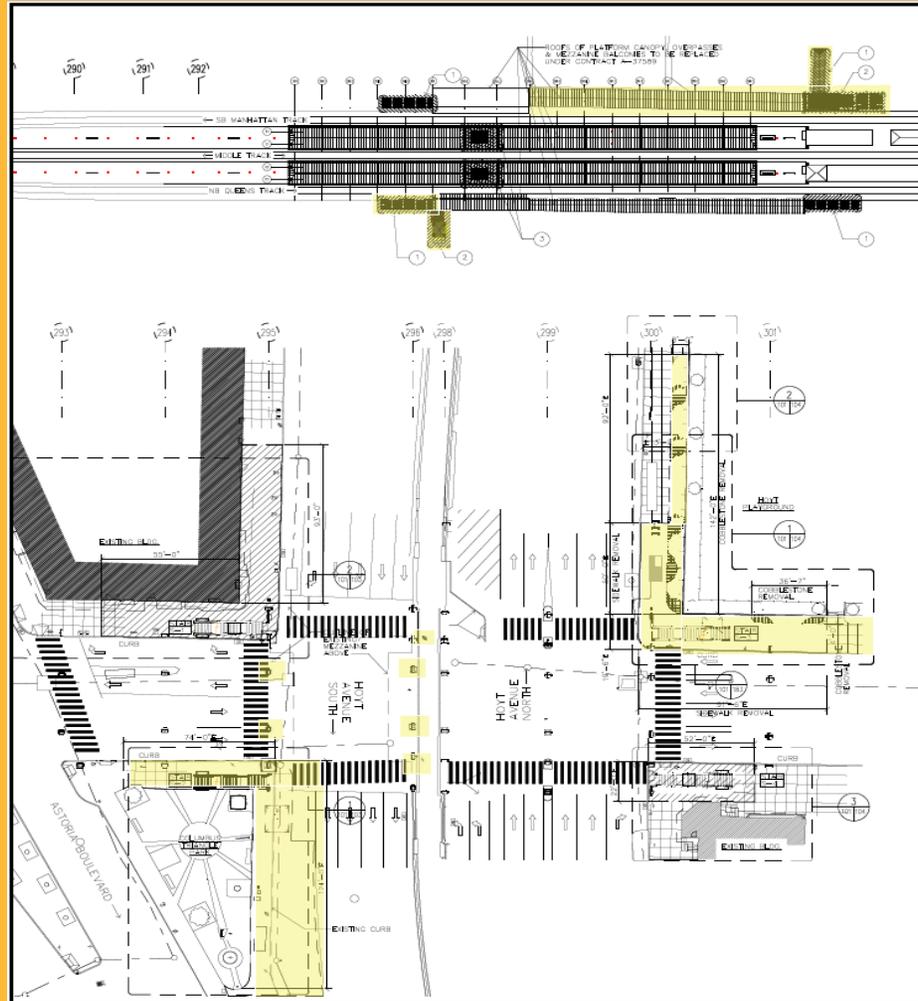
Replace Platform Light Posts, Signs, Gates, Railings, Benches, Sandboxes and Refuse Bins



Damaged Platform Precast Panels



North 



PHASE 1 PLAN

Fall 2018–
March 2019

- Protect trees
- Asbestos abatement
- Relocate two bus stops
- Remove stairs:
S2 at Columbus Triangle
S3 at Hoyt Playground
- Remove bus shelter
- Install micropiles for foundations
- Build foundations for elevators and stairs
- Reinforce street level steel columns and foundations
- Install drainage pipes, catch-basins and manholes

Traffic Stipulations

Work Hours

Monday-Friday 9:30 AM to 2:30 PM
Saturday-Sunday 7:00 AM to 8:00 PM

Traffic Enforcement Agents at these Intersections

Hoyt Ave. North at 31st Street
Hoyt Ave. South at 31st Street
Astoria Blvd. at 31st Street

Monday-Friday 9:30 AM to 2:30 PM
Saturdays 8:00 AM to 5:00 PM
Sundays 9:00 AM to 5:00 PM

Travel Lanes

31st Street

One Lane in each direction during Work Hours
Two Lanes in each direction during Non-Work Hours

Hoyt Ave. North

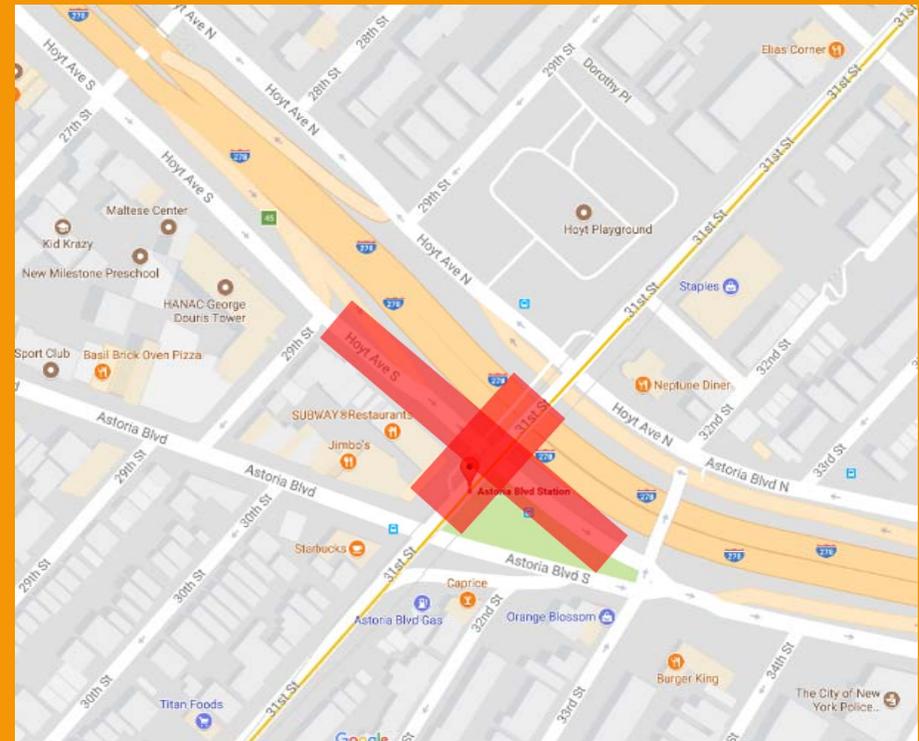
4 Travel Lanes and One Bus Lane at all times

Hoyt Ave. South

5 Travel Lanes at all times

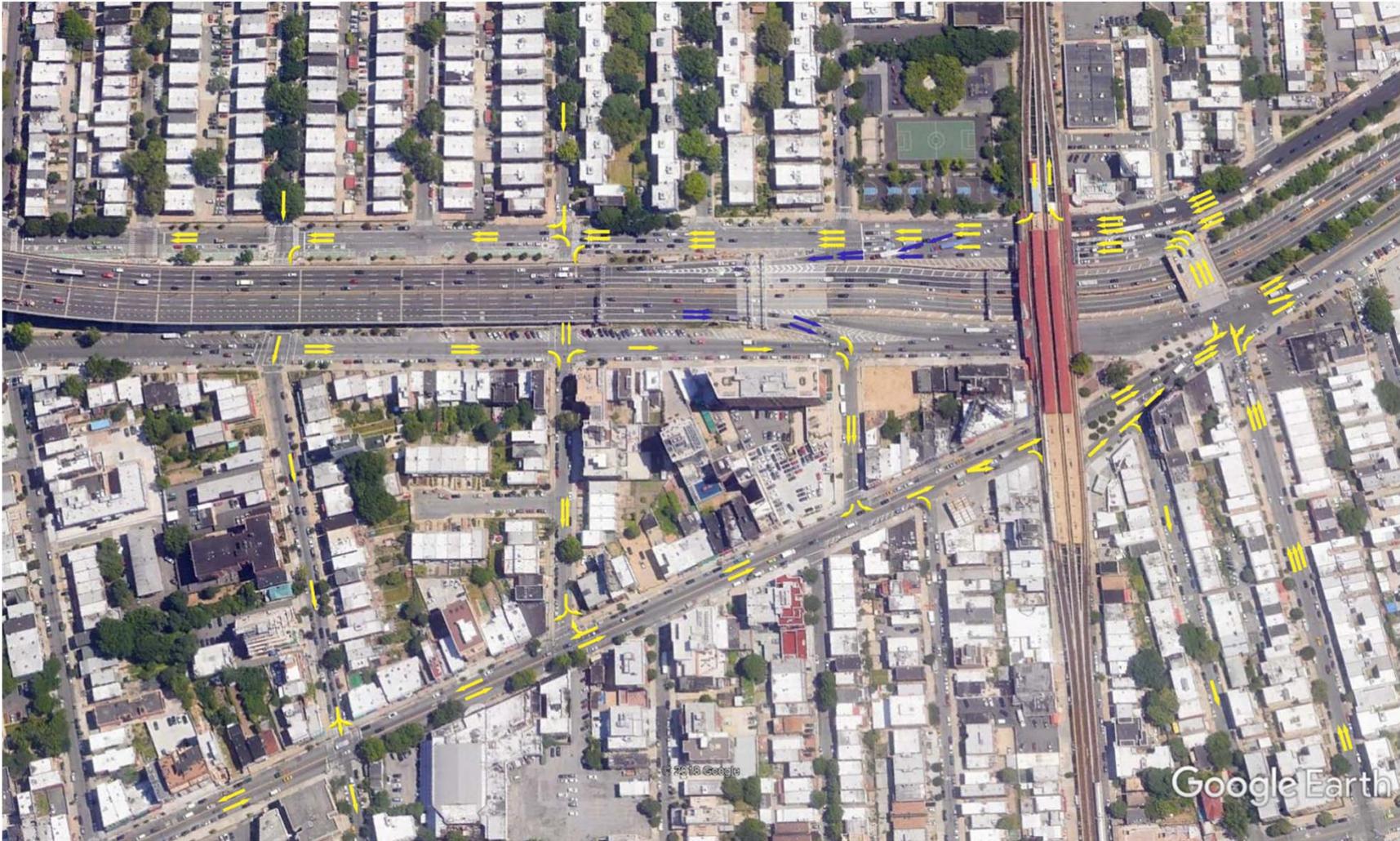
Intersection Closure

- 31st Street and Hoyt Avenue South
- Up to 20 Weekends in 2019
- Required to demolish and rebuild the mezzanine
- Signage, Traffic Enforcement Agents, and Crossing Guards will be provided





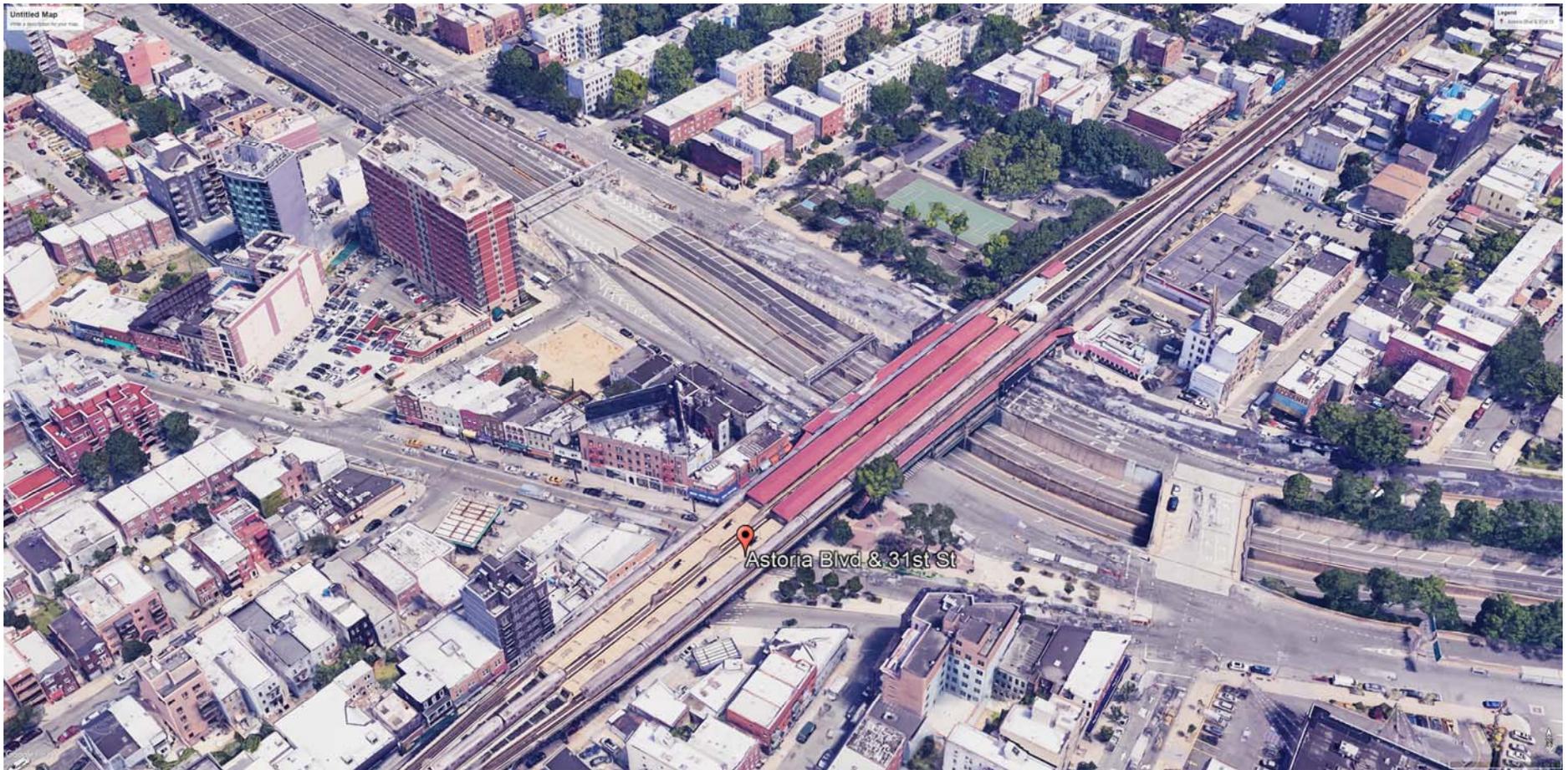
Detour During All Track GOs and Complete Intersection Closure



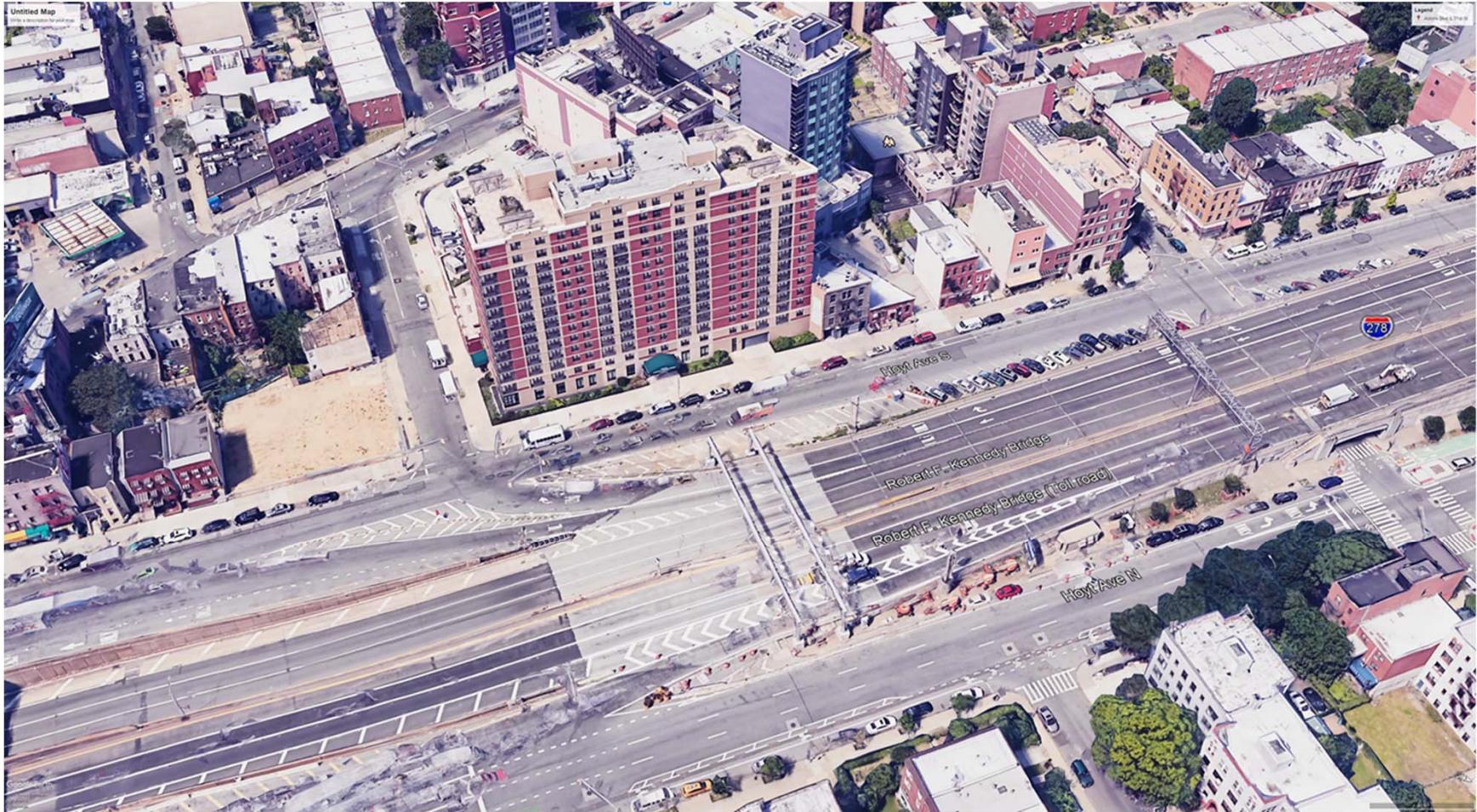
Saturday Traffic Conditions



Detour During Complete Intersection Closure



Detour During Complete Intersection Closure



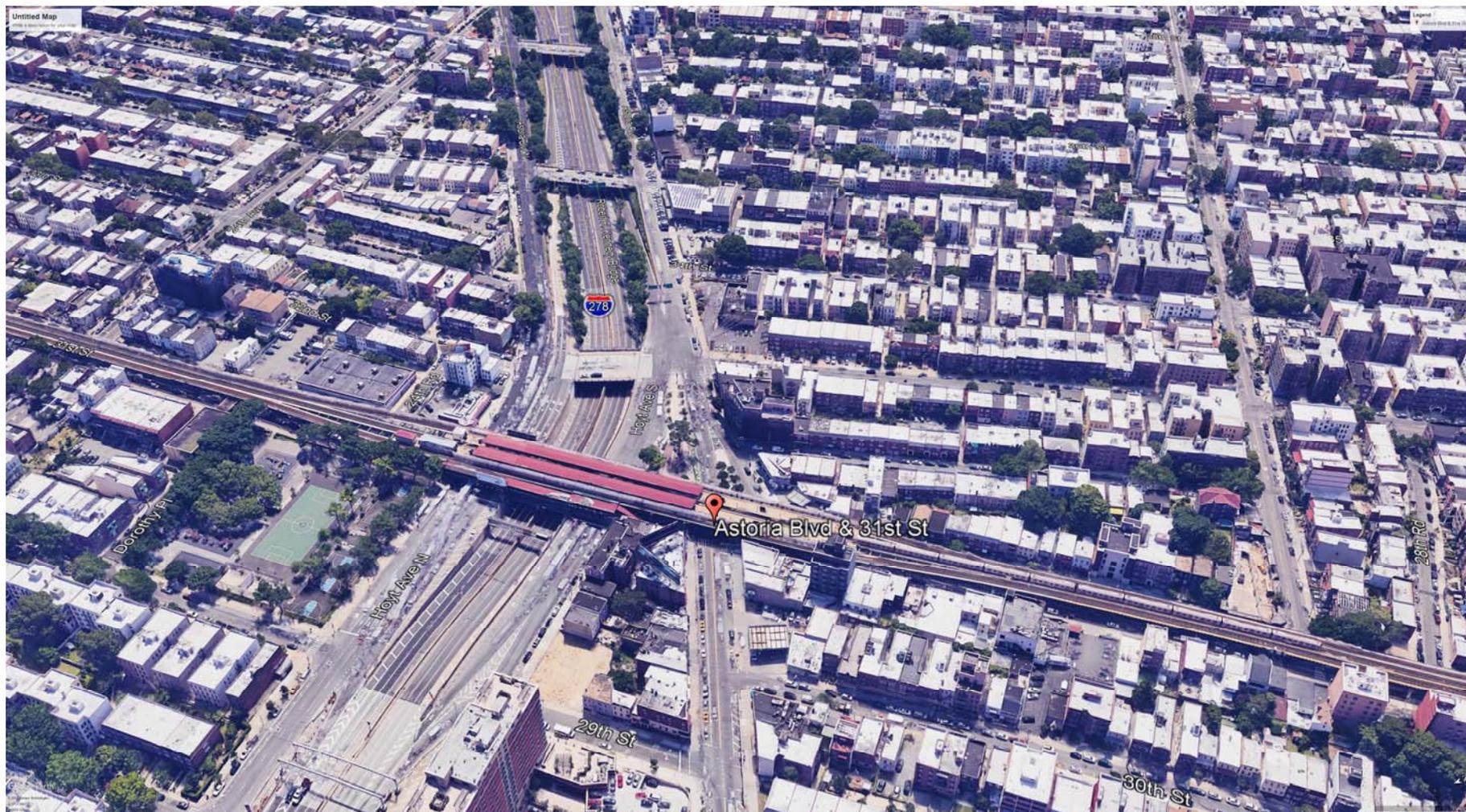
Saturday Traffic Conditions



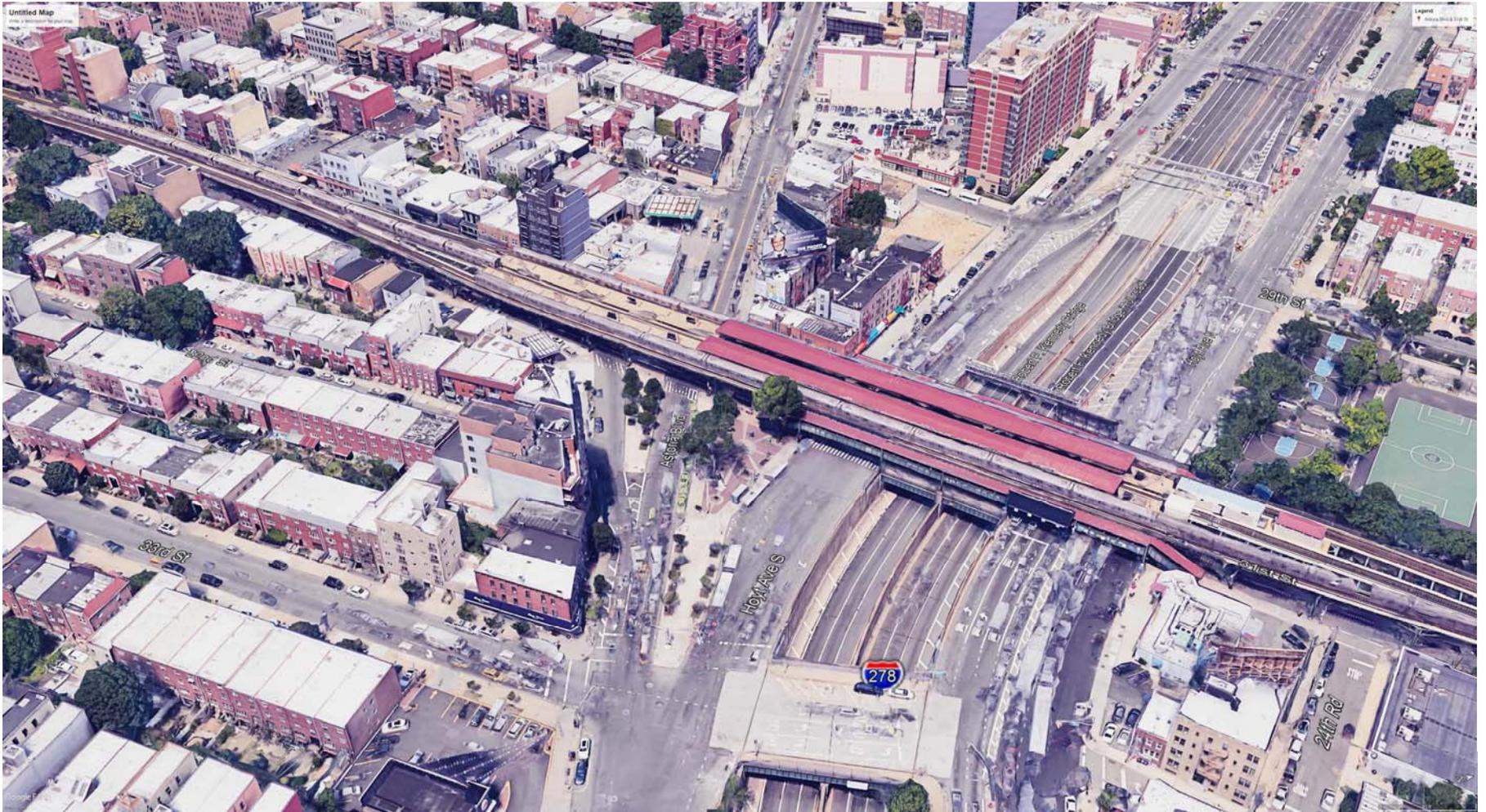
Saturday Traffic Conditions



Detour During Complete Intersection Closure



Detour During Complete Intersection Closure



Bus Routes



Current Work

39 Av-Dutch Kills and Broadway

Reopened	January 2019
Finished	June 2019

Ditmars Boulevard Station

Major work complete	March 2019
Finished	June 2019

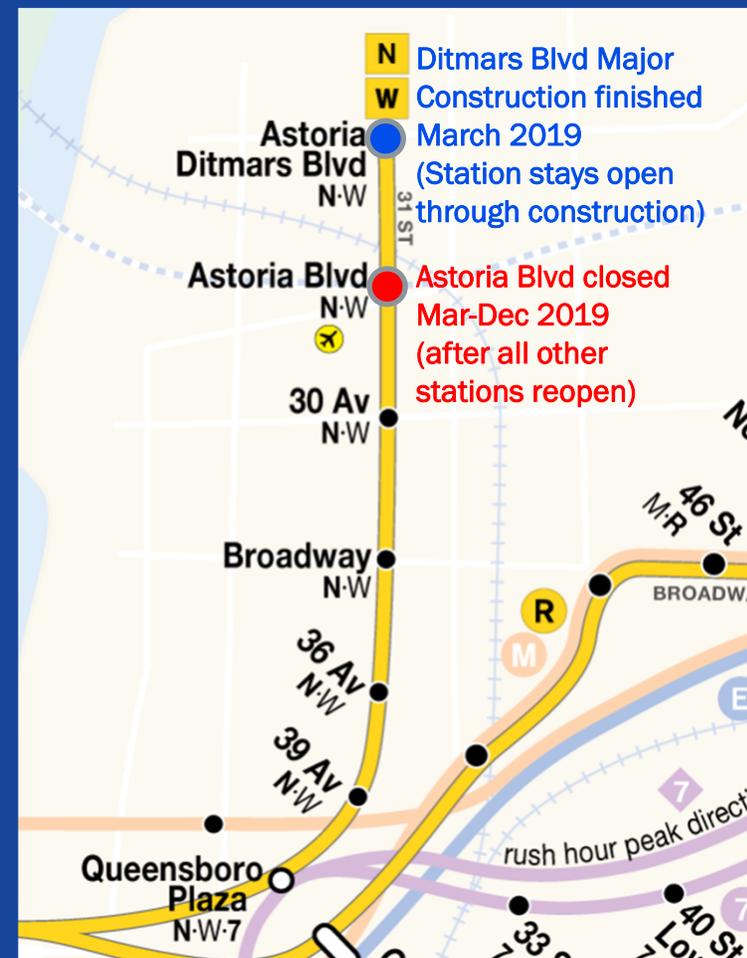
Astoria Boulevard Station

Closing	March 17, 2019
Station Reopens	December 2019 (9 months)
Elevators Operational	August 2020
Finished	November 2020



Train Service During the Closure

- Nine month full closure; March-December
- During the closure Ditmars Blvd and 30th Av provide alternate subway service
- During 13 Weekends, N/W service will not run north of Queensboro Plaza. Shuttle buses will be provided during these weekends.
- (Feb 23-24), March 16-18, March 23-24, April 6-7, April 13-14, June 15-16, and June 22-23.



Track Replacement

Improves the reliability of the track and signal equipment

Fewer delays for customers

Replaced 2,496 feet of track and ten track switches since 2017
Queensboro – 39 Av
Ditmars – Astoria Blvd

ADA compliant platform gaps



Track Replacement

Winter/Spring 2019:
Replacing nearly 5,000 feet of track on the northbound track between 36 Av and 30 Av.

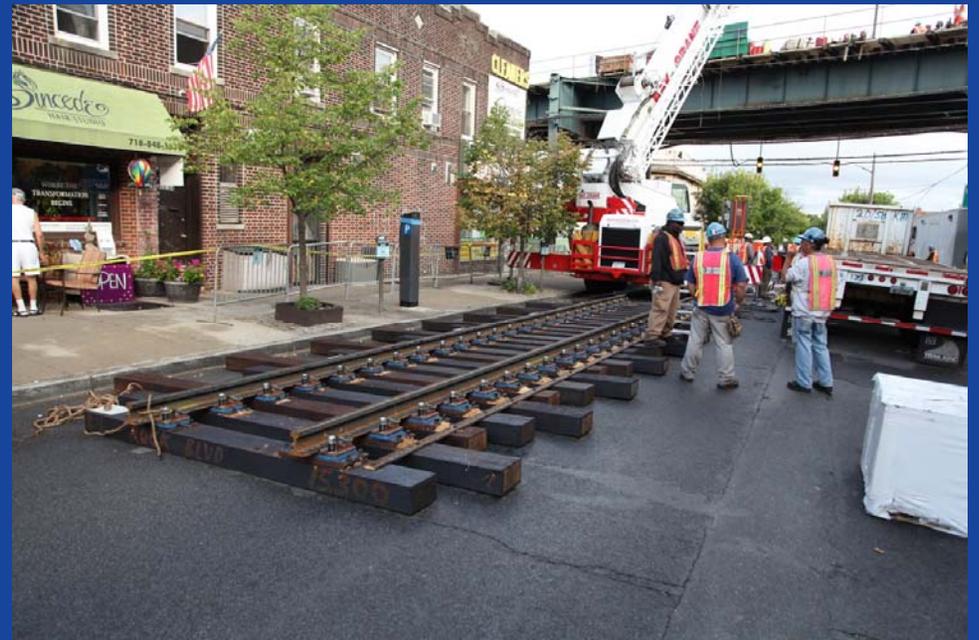
Track is over 35 years old

Work will overlap with station work

Requires northbound trains to run express during weekdays, skipping stations in one direction

ADA compliant platform gaps

Increase reliability and reduce delays



Track Replacement

Work Hours

Monday-Friday 9:45 AM to 3:30 PM

February 4 – April 19
(except Presidents Day, Feb 18)

Weekends:

February 23-24, *March 9-10*, March 16-17, March
23-24, & *March 30-April 1*

Service Plan

Northbound N trains run express from Queensboro
Plaza to Astoria Blvd (express to Ditmars Blvd after
Astoria Blvd closure)

W Trains run along the Q line to 96 St

Work is weather dependent

Traffic Plan

During Track work we need to detour
some traffic from 31st St

Exact detour will change as the location of the
track replacement changes

Current detour until March 1:
31st Street between 31st Ave and 34th Ave

North Bound: Will run “Against the Normal
Direction of Traffic”, between 31st Ave & 34th Ave.

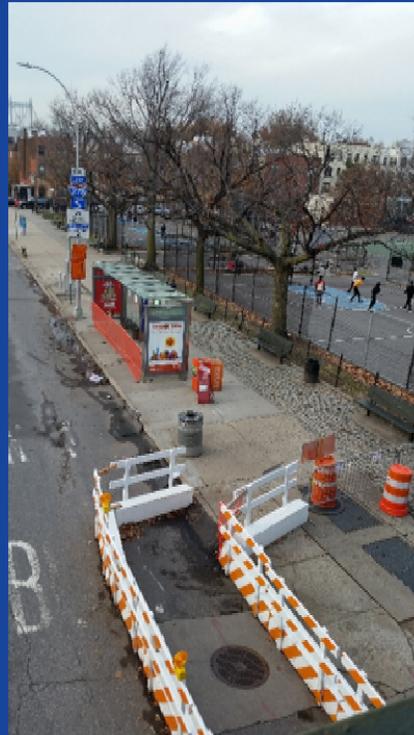
South Bound: Will be diverted at 31st Ave onto
Crescent St

Work Performed to Date Astoria Blvd

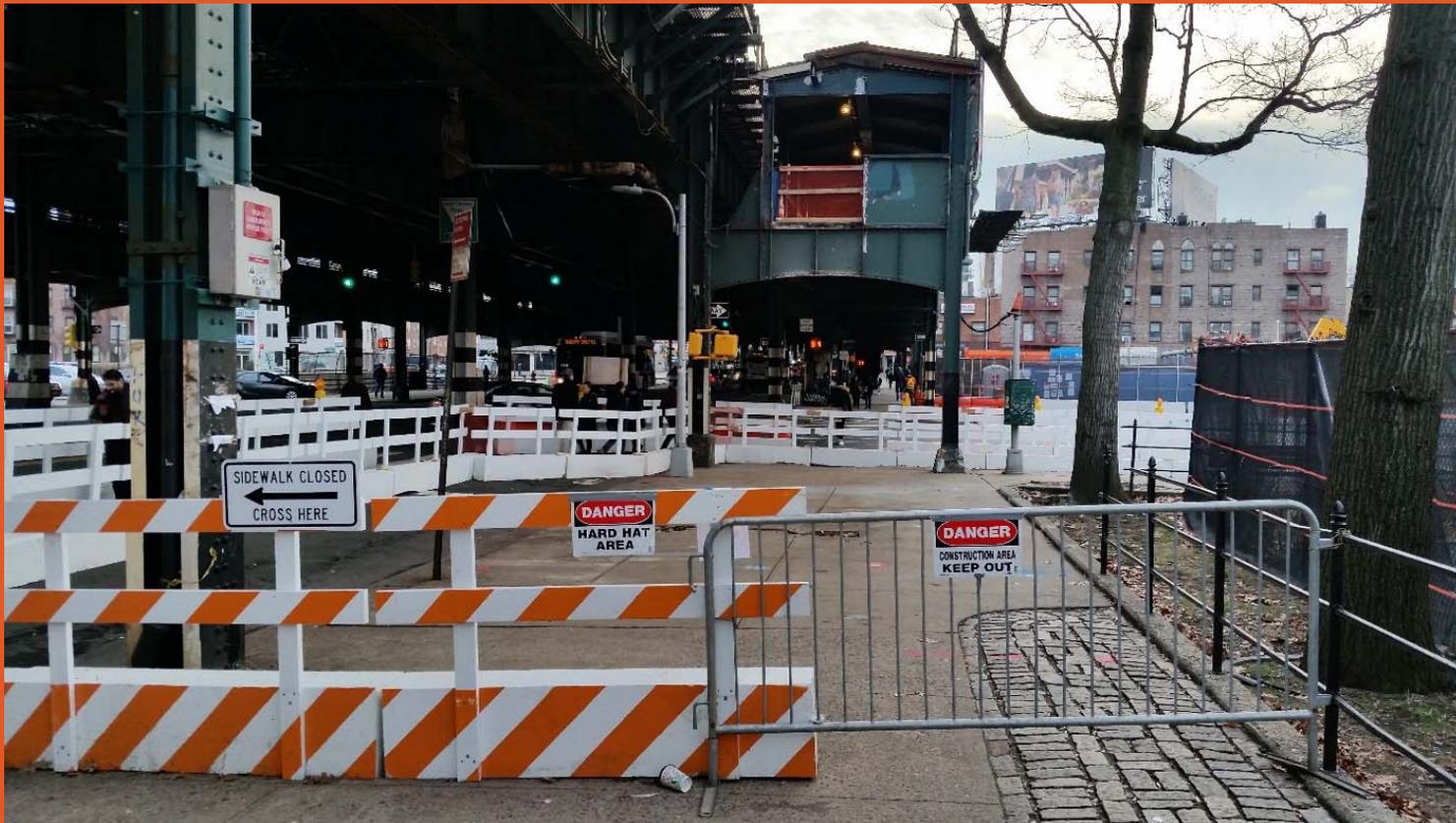
Asbestos Material Removed from the Platform Roofs



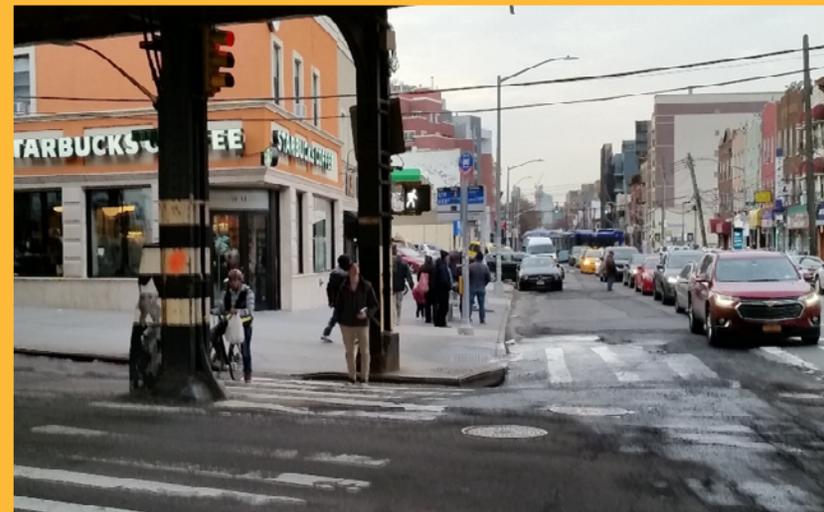
Relocated Bus Stop and Detoured Walkway to Facilitate Work



Removed Stair at Hoyt Playground



Relocated M60 Bus Stop From Columbus Triangle to Astoria Blvd.



Removed Stair at Columbus Triangle



**New Website:
[https://new.mta.info
/system_modernization
/astoria](https://new.mta.info/system_modernization/astoria)**