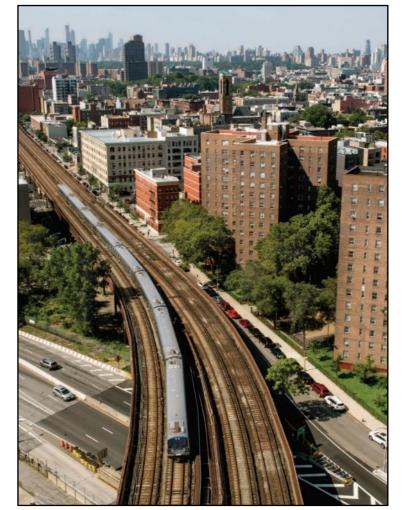


Agenda

- Introductions
- Project Purpose and Need
- Anticipated Project Schedule
- Stakeholder and Community Coordination
- Discussion / Questions



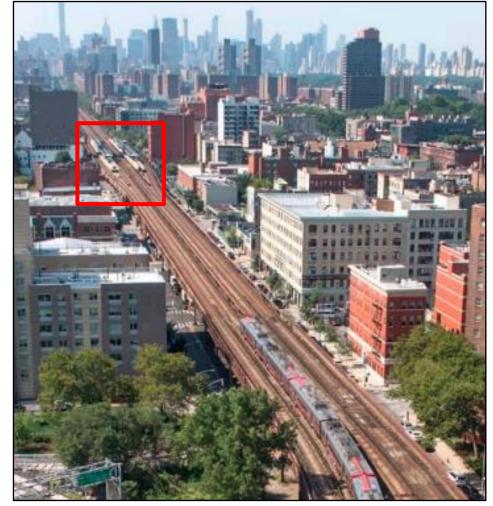


What is the Park Avenue Viaduct?

The Park Avenue Viaduct is an elevated steel structure built in 1893 (129 years ago) which carries four Metro-North Railroad tracks above Park Avenue in East Harlem.

- 98% of all Metro-North trains use the viaduct
- 750 trains and 220,000 customers use the viaduct on a typical (Pre-Covid) weekday
- 1.25-mile-long steel structure (5 track miles)

The PAV is the main artery that carries all riders to and from Grand Central Terminal and Harlem-125th Street Station (See photo).





Why is the Viaduct important to the Harlem Neighborhood?

- PAV served 5.3 million customers at Harlem-125 Street Station in 2019
- Harlem-125th Street Station is 3rd busiest in Metro-North system (Pre-Covid)
- \$24 Million in recent station investments





Harlem 125th Street Neighborhood Investments



125th St. Lighting Improvement Project (SBMP)



125th St. Enhanced Station Initiative (ESI)



125th St. Customer Service Initiative (CSI)



Replacement Project (SBMP)

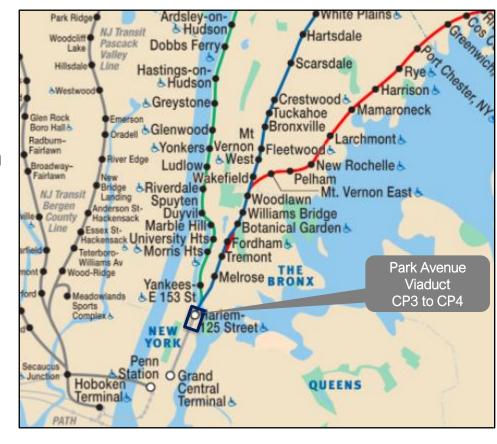




What is the Park Avenue Viaduct Replacement Project?

MTA C&D and Metro-North Railroad plan to **replace** major segments of the Park Avenue Viaduct between E115th Street and E132nd Street along Park Avenue.

- State of Good Repair project
- No change to the existing number of tracks

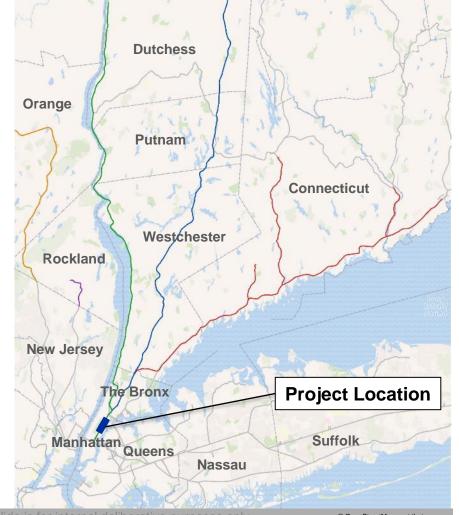




Project Need

All MNR East of Hudson trains must pass over the Viaduct to reach **Harlem-125th Street Station** and **Grand Central Terminal** – there are no alternate routes.

- The PAV is not in a state of good repair
- Current usage is well above original design
- PAV is a single point of failure for East-of-Hudson service
- Without PAV, MNR cannot serve The Bronx, Manhattan, Westchester, Putnam, Dutchess, or Connecticut







Importance of Acting Now

- PAV was built in 1893 (over 129 years old)
- Structure continues to exhibit signs of distress
- PAV is beyond its fatigue life
- Current usage is well above original design
- The PAV is not in a state of good repair
- Public trust in MNR infrastructure must be ensured

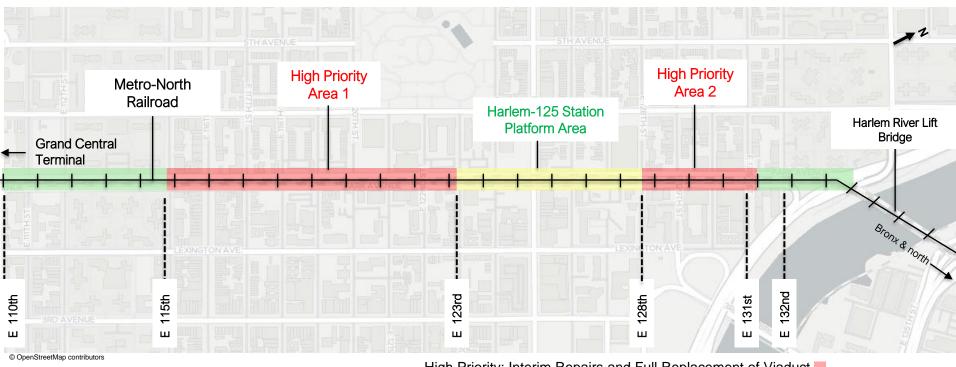








Park Avenue Viaduct Program Prioritization





High Priority: Interim Repairs and Full Replacement of Viaduct

Rehabilitation

Painting & Localized Repairs

Ongoing Short Term Safety Measures

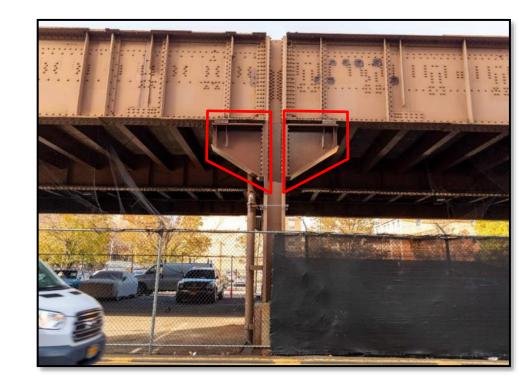
- 1. Inspections
 - o In-depth inspections at 6-month intervals
 - o Upcoming Spring 2022 cycle
- 2. Testing
 - Continuation of non-invasive testing (ultra-sonic & magnetic particle)
- 3. Routine Maintenance & Flag Repairs
 - MNR Maintenance-of-Way (ongoing)
- 4. Interim Repair (Retrofit) Project 2021-2022
 - Ahead of Schedule





PAV Interim (Retrofit) Repairs

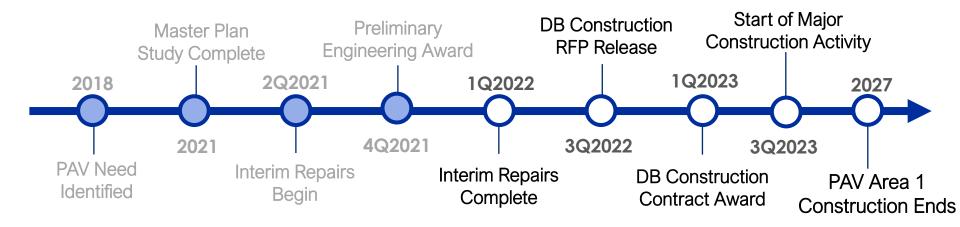
- E115th to E123rd and E128th to E131st Street along Park Avenue
- Columns adjacent to Park Ave roadway
- Maintained one lane of traffic
- Repair Start: July 2021
- Repair End: March 2022 (Painting)
- All 122 brackets installed Jan 2022 (4 Months Early)







Anticipated Project Schedule*



^{*}Schedule dependent on selected design-build contractor.



Project Benefits



Maintains the **safety** of the public and the railroad



Includes tens of millions of dollars for DBF contracts



Constructs a more resilient viaduct that meets modern industry design standards



Integrate DOT improvements



Ensures train service to and from Harlem-125th Street Station, GCT, The Bronx, & stations north



Introduces construction-induced spending and job creation



Potential for reduced noise and vibration levels



Provides unique opportunity to partner with local schools (STEM)



MTA Arts & Design component



Mass transit reduces traffic congestion and improves air quality



ustainable materials





Community Coordination

- MTA is committed to being a good neighbor and working with the community.
- MTA has been actively engaged in stakeholder outreach, coordinating with:
 - Elected Officials
 - City and State Agencies
 - Stakeholder Groups





Stakeholder Outreach Schedule



*PAV Stakeholder Advisory Committee Meetings will be held quarterly.



Stakeholder Tour (10/6/2021)















Summary of Stakeholder Input Received to Date

Design Considerations	Status
Lighter color viaduct	Ongoing discussions with SHPO
Improve lighting underneath the viaduct	Ongoing discussions with DOT
Increase pedestrian safety	Ongoing discussions with DOT
Install bollards between columns	Ongoing discussions with DOT
Open columns (not solid pier walls)	Revisit during Preliminary Engineering
Compatibility with La Placita	Revisit during Preliminary Engineering
Improvements to La Placita	Must adhere to federal funding requirements, ongoing discussions with NYC EDC
Attenuate operational noise/vibration	Revisit during Preliminary Engineering
Incorporate stormwater drainage & green infrastructure	Revisit during Preliminary Engineering



Summary of Stakeholder Input Received to Date (Page 2)

Construction Related Considerations	Status
Coordination with adjacent HPD projects	Ongoing consultation with HPD
Level of noise during construction	Noise will be monitored during construction and community will remain apprised of activities
Air quality during construction	Air quality will be monitored during construction
Use visually pleasing temporary construction barriers	Revisit during Preliminary Engineering
Business Related Considerations	
Encourage local hiring and purchasing	Revisit during Preliminary Engineering.
	Must adhere to federal requirements
Minimize temporary disruptions to La Placita & businesses	Ongoing discussions with City Agencies
Maximize visibility of local businesses during construction	Revisit during Preliminary Engineering



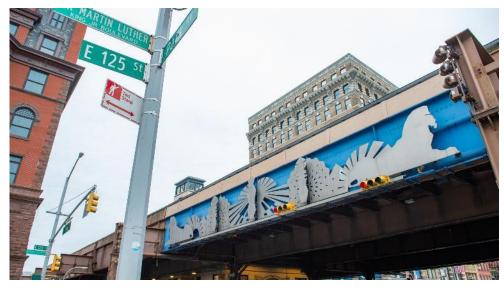
Summary of Stakeholder Input Received to Date (Page 3)

Miscellaneous Considerations	Status
Improve 125th Street Station Accessibility	Station is fully ADA accessible
125 th Street Station TOD opportunities	Separate initiative from Viaduct Project
Public Outreach Considerations	
Continued public involvement	First community information session: 1Q2022
Timely construction notifications	Committed to robust outreach program



Arts & Design Program

 MTA Arts & Design commissions dynamic contemporary art for subway stations, commuter rail stations, and other projects



Harlem – 125th Street, Art Installation: Harlem Encore, 1999

Visit: https://new.mta.info/agency/arts-design



STEM Coordination

- STEM Program with local schools
- Mosaic Preparatory Academy (DOE K-5)
 - STEM Day on December 14, 2021
 - 5 classes (2nd through 5th grades)
- Urban Assembly School for Global Commerce (DOE 9-12)
 - Planning for in-school programming this year
 - Program to be expanded as the PAV project proceeds

