

GLOSSARY

A-Weighting	The system of modifying measured sound pressure levels to simulate the actual response of the human ear to different sounds frequencies
ACM	Asbestos Containing Material
ADA	Americans with Disabilities Act
Advisory Council on Historic Preservation	An independent Federal agency established by the National Historic Preservation Act of 1966 (NHPA) to advise the President and Congress on historic preservation matters. It reviews policies and programs of Federal agencies to improve their consistency with NHPA purposes, and administers and participates in the preservation review process established by Section 106 of the NHPA. Under Section 106, Federal agencies must seek the Council's comments prior to carrying out, approving financial assistance to, or issuing a permit for a project that may affect properties listed or eligible for listing on the National Register of Historic Places
AHERA	Asbestos Hazard Emergency Response Act
AIA	American Institute of Architects
AM Peak Hour	The hour during which the largest number of commuters travel to work
AM Peak Period	Peak morning travel period
Ambient Air Quality	A physical and chemical measure of the concentration of various pollutants in the outside air, usually determined over a specified time period
Ambient Air Quality Standards	See National Ambient Air Quality Standards (NAAQS)
APE	Area of Potential Effect. An APE is the geographic area within which a project may have a direct or indirect effect on historic or archaeological resources, if any are present
Aquatic Biota	Includes phytoplankton, zooplankton, benthic invertebrates, and fish
As-of-Right	Development that could occur on a parcel of land under existing zoning and without the granting of additional approvals
AST	Aboveground storage tank
ASTM	American Society of Testing and Materials
AT&T	American Telephone and Telegraph Company
ATR	Automatic Traffic Recorder
AUF	Acoustical Usage Factor
BART	Best Available Retrofit Technology
BCCNY	Building Code of the City of New York
BCNYS	Building Code of New York State

Bedrock	Consolidated rock at various depths beneath the Earth's surface
Bentonite	A natural, clay-like mineral used in liquid slurry to facilitate the construction of concrete retaining walls
BID	Business Improvement District
BTU	British Thermal Unit
BUD	Beneficial Use Determination
Build Year	The year of analysis used to assess impacts
C&D	Construction and Demolition debris
CAAA	Clean Air Act Amendments of 1990. A federal law enacted in 1990 that places new federal controls on all sources of air pollution and placed new emphasis on regional transportation planning. The CAAA includes an implementation strategy and establishes air quality improvement requirements
CAL3QHC	Mathematical dispersion model for predicting air pollution by simulating carbon monoxide concentrations near roadway intersections
Capacity	The maximum number of passengers that can use a transportation system, at any one time
CB	Community Board
CBD	Central Business District. A CBD is a primary downtown area of a city, or an area of concentrated retail activity. Also characterized by high land valuation and traffic flow
CEQ	Council on Environmental Quality
CEQR	City Environmental Quality Review, the local New York City law set forth by Executive Order No 91 of 1977, governing environmental review for actions undertaken by New York City agencies
CEQR Technical Manual	City Environmental Quality Review Technical Manual: provides procedural guidelines for environmental assessments within New York City
CEPP	Construction Environmental Protection Program
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CfE	Construction for the Environment guidelines
Class GA Standards	Ground water classification standards set by NYSDEC. GA standards are for drinking water
CO	Carbon monoxide
CO2	Carbon dioxide
Coastal Zone	A geographic area of New York State's coastal waters and adjacent shorelines, generally including islands, tidal wetlands, beaches, dunes, barrier islands, cliffs, bluffs, estuaries, flooding- and erosion-prone areas, port facilities and other coastal locations

Combined Sewer	A sewer system that carries sanitary flow during dry weather and both sanitary and storm water flows during wet weather
CRMP	Cultural Resources Management Plan
Cumulative Effects	Incremental effects of an action when added to other past, present and reasonably foreseeable future actions, regardless of agency/person involved
Cut-and-Cover	A method of excavation whereby the construction takes place from the ground surface. Once the excavation reaches a certain depth, it can be covered with a steel or concrete plate to enable traffic or pedestrians to traverse the excavation while construction proceeds below
CY	Cubic Yard
CZMP	Coastal Zone Management Program. A state initiative promulgated in accordance with federal requirements designed to set policies for managing waterfront resources in the public interest
dBA	A-weighted decibel. A sound pressure level that incorporates the human ear's sensitivity to pitch
dB	Decibel. The unit for measuring noise, which is 10 times the logarithm of the ratio of the sound pressure squared to a standard reference pressure squared
de minimis Criteria	The minimum incremental increase in 8-hour average carbon monoxide levels that constitutes a significant adverse air quality impact as defined by New York City
FEIS	Draft Environmental Impact Statement
Desanding	A process used to remove sand or silt from slurry before its reuse
Dewatering	The removal of groundwater by pumping so as to artificially depress the water table and avoid the difficulties associated with construction below the water table
DfE	Design for the Environment guidelines
DOCs	Diesel Oxidation Catalysts
DPF	Diesel Particulate Filter
DSNY	New York City Department of Sanitation
EAP	Emergency Action Program
Easement	The legal right to use a portion of another owner's property
ECL	New York State Environmental Conservation Law
EIS	Environmental Impact Statement
EMS	Environment Management System
ENB	Environmental News Bulletin. An official publication of the New York State Department of Environmental Conservation, produced since 1976 as required by the Environmental Conservation Law Article 3-0306(4)
EPA	US Environmental Protection Agency

EPC	Environmental Performance Commitments
EPM	Environmental Procedures Manual
ESA	Environmental Site Assessment
ESDC	Empire State Development Corporation
FAR	Floor Area Ratio. The total floor area on a zoning lot divided by the lot area of that zoning lot
f/cc	Fibers/cubic centimeters
FDNY	Fire Department of New York City
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIRE	Finance, Insurance and Real Estate
Floodplain	The lowlands adjoining the channel of a river, stream, or watercourse, or ocean, lake, or other body of water, which have been or may be inundated by floodwater (as established by the National Flood Insurance Act)
FTA	Federal Transit Administration
GIS	Geographic Information System
gpd	Gallons per day
Groundwater	The water contained beneath the surface in soils and rock
Gsf	Gross square feet
GVSHP	Greenwich Village Society for Historic Preservation
HABS	Historic American Buildings Survey
HAER	Historic American Engineering Record
HASP	Health And Safety Plan
Hazardous Waste	A substance, as defined under the federal Resource Conservation and Recovery Act that is chemically reactive, ignitable, corrosive, or toxic
HCM	Highway Capacity Manual
HCS	Highway Capacity Software
HDR/Daniel Frankfurt	Consultant
HEET	High Entrance/Exit Turnstile
HEPA	High Efficiency Particulate Air
HMSI	Hazardous Material Screening Investigation

HP	Horsepower
HUD	US Department of Housing and Urban Development
HVAC	Heating, Ventilation, and Air-Conditioning
I&M	Inspection and Maintenance
ICG	Interagency Consultation Group
IEC	Interstate Environmental Commission
IRT	NYCT's Interborough Rapid Transit Line
ISC	Industrial Source Complex
Jet Grout	A soil stabilization technique that involves drilling pilot holes, and then injecting under pressure a mixture of cement, water, and air into the soil via injection rods inserted into pilot holes. As the rods are withdrawn, they are rotated, resulting in a series of columns consisting of a soil and cement grout mixture hardened to a strength suitable to stabilize the soil, thereby allowing construction to occur underneath
kVA	kilovolt amperes
LBP	Lead based paint
Ldn	Also known as DNL. An average sound level over the entire day where the nighttime hours are weighted more than those during the daytime
Leq	Equivalent sound level, or an energy average sound level, usually specified over a period of time. This is the constant sound level that, in a given period, conveys the same sound energy as the actual time-varying sound
LOS	Level of service. A set of descriptive characteristics used to indicate the quality of transportation service provided, including characteristics that are quantifiable (eg, frequency, travel time, vehicle delay). Levels of service are usually quantified with letter designations, ranging from "A" (LOS A) with the least amount of congestion to "F" (LOS F) with the greatest amount
LPC	New York City Landmarks Preservation Commission
LRTP	Long-Range Transportation Plan
LWRP	Local Waterfront Revitalization Program
MACT	Maximum Achievable Control Technology
Mitigation	Measures designed to lessen or eliminate the adverse impacts resulting from a proposed project or action
MLW	Mean Low Water
MOA	Memorandum of Agreement
Mobile Source	Vehicular sources of air pollution, such as mobile construction equipment, automobiles, trucks, and buses
MOBILE5B	Vehicle emissions simulation model developed by the Environmental Protection Agency

	to predict air pollution
MPO	Metropolitan Planning Organization. MPOs are tasked by ISTEA and TEA-21 with overseeing their metropolitan area's compliance with the National Ambient Air Quality Standards. NYMTC is the MPO for the New York metropolitan region
MPT	Maintenance and Protection of Traffic Plan
MTA	Metropolitan Transportation Authority
MTA NYCT	Metropolitan Transportation Authority New York City Transit
MTACC	Metropolitan Transportation Authority Capital Construction Company
MW	Megawatt
NAAQS	National Ambient Air Quality Standards. Standards established by Congress under the Clean Air Act for six major air pollutants (carbon monoxide, nitrogen oxides, photochemical oxidants or ozone, inhalable particulates, sulfur dioxide, and lead). These are also New York State's air quality standards
NEPA	National Environmental Protection Act
NFPA	National Fire Protection Association
NHPA	National Historic Preservation Act of 1996
NMFS	National Marine Fisheries Service
No Action Alternative	The future condition under which the proposed action would not occur
No Build Alternative	See No Action Alternative
NO₂	Nitrogen dioxide; an air pollutant and precursor to ozone
NOA	Notice of Availability
NOI	Notice of Intent. Published in the Environmental News Bulletin for the preparation of an EIS
NO_x	Nitrogen oxides; a group of air pollutants that contribute to the formation of ozone
NPL	National Priority List
NR	National Register of Historic Places. The Federal list of buildings and sites determined to have historic significance, established by the National Historic Preservation Act
NSR	Noise Sensitive Receptor
NYCDCP	New York City Department of City Planning
NYCDDC	New York City Department of Design and Construction
NYCDEP	New York City Department of Environmental Protection
NYCDOB	New York City Department of Buildings
NYCDOT	New York City Department of Transportation

NYCDOT – OCMC	New York City Department of Transportation – Office of Construction Mitigation and Coordination
NYCDPR	New York City Department of Parks and Recreation
NYCEDC	New York City Economic Development Corporation
NYCRR	New York Codes, Rules and Regulations
NYCT	MTA New York City Transit
NYMA	New York Metropolitan Area, which includes the counties of Bronx, Kings, Queens, Richmond, Nassau and Westchester
NYMTC	New York Metropolitan Transportation Council
NYPA	New York Power Authority
NYPD	New York City Police Department
NYSDEC	New York State Department of Environmental Conservation
NYSDEP	New York State Department of Environmental Protection
NYS DOL	New York State Department of Labor
NYS DOT	New York State Department of Transportation
NYSHPA	New York State Historic Preservation Act of 1980
NYSOPRHP	New York State Office of Parks, Recreation and Historic Preservation
O3	Ozone. An unstable form of oxygen formed by a photochemical reaction of atmospheric gases with solar ultraviolet radiation. While a valuable component of the upper atmosphere, it is a harmful air pollutant in the lower atmosphere and contributes to the formation of smog
Operational Impacts	Long-term changes to the baseline conditions. Will be identified by comparing 2020 conditions without the Proposed Action (the No Build Condition) with 2025 conditions with the Proposed Action (the Build Condition)
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbons. PAHs are a class of Semi Volatile Organic Compounds (SVOCs) associated with combustion (eg, coal, ash, petroleum) and have historically been used as fill throughout New York City. Exposure to PAHs can pose long-term risks to human health
Particulate Matter	Airborne particles consisting of a variety of materials such as dust, soot and aerosols
PB	Consultant
PBS	Petroleum Bulk Storage
PCB	Polychlorinated biphenyl. A class of Semi Volatile Organic Compounds (SVOCs) that were commonly used in electrical equipment, especially transformers. Exposure to PCBs can pose long-term risks to wildlife and human health

PCE	Passenger Car Equivalent
PCS	Potentially Contaminated Site
PEL	Permissible Exposure Limit
PHF	Peak Hour Factors
PM	Particulate Matter. Airborne particles consisting of a variety of materials such as dust, soot and aerosols
PM Peak Period	The peak afternoon travel period
PM Peak Hour	The hour during which the largest number of commuters travel home from work
PM10	Particulate matter of 10 microns or less. Particulates of this size are small enough to be respirable
ppm	Parts per million
PPN	Policy and Procedure Notice. Technical notice issued by the NYCDOB
Proposed Action	The emergency ventilation plant for the 8 th Avenue and 7 th Avenue Subways
RCRA	Resource Conservation and Recovery Act
Receptor Site	A location chosen for analysis of air quality or noise
REL	Recommended Exposure Level
ROD	Record of Decision. The lead agency's findings on a project based on EIS prepared under SEQRA.
RPA	Register of Professional Archaeologists
RPAD	Real Property Assessment Database
RTFM	Regional Transportation Forecast Model. MTA's model to predict regional travel patterns and determine the travel modes used by the region's commuters.
S/NR	State and National Registers of Historic Places
SAS	Second Avenue Subway
Scoping	The process of defining the studies to be undertaken for an Environmental Impact Statement
SEQRA	State Environmental Quality Review Act
SFPE	Society of Fire Protection Engineers
SHPA	State Historic Preservation Act
SHPO	State Historic Preservation Office. The SHPO is the State administrative agency responsible for compliance with historic preservation rules, laws and regulations
SIP	State Implementation Plan. A SIP is a state plan mandated by the Clean Air Act to bring an area into compliance with the National Ambient Air Quality Standards for a given air pollutant

SO2	Sulfur dioxide; an air pollutant mainly associated with the combustion of sulfur-containing fuels such as diesel and fuel oil
SPDES	New York State Pollutant Discharge Elimination System. SPDES is a state permit program under Article 17, Title 8, of the New York State Environmental Conservation Law to protect the state's waters from polluted discharges
Special Purpose Districts	Particular neighborhoods or areas promulgated by New York City's zoning code and intended to achieve specific planning and urban design objectives
SPL	Sound Pressure Level
Spoils	Rock and soil excavated during construction activities
Staging Area	An area from which construction activities (such as storage, delivery of materials, layover of equipment) occurs
Street Wall	The wall of a building facing the street
Study Area	A geographical area delineated in each analysis chapter within which potential impacts on environmental resources are assessed
Substation	A component of the electrical power distribution system at which high voltage power is converted to low voltage power
SVOC	Semi Volatile Organic Compound Organic compounds that exhibit some evaporation under normal circumstances
TAGM	Technical and Administrative Guidance Memorandum Issued by NYSDEC's Division of Hazardous Waste Remediation
TCLP	Toxicity Characteristics Leaching Procedure A laboratory test used to determine the hazardous characteristics of a solid waste or soil
TEA	Traffic Enforcement Agent
TIP	Transportation Improvement Program
TRN	Temporary Reference Number
TSP	Total Suspended Particulates
TSCA	Toxic Substance Control Act
ULSD	Low Sulfur Diesel
Underpinning	A construction technique that involves placing new foundations under an existing building to allow construction to occur near or within the area of the original foundations
USACE	United States Army Corps of Engineers
Uniform Act	Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, and the Uniform Relocations Act Amendments of 1987 provide fair, uniform, and equitable treatment of persons displaced from their homes, businesses or farms by federal and federally assisted programs
USFWS	United States Fish and Wildlife Service

UST	Underground Storage Tank
v/c	Vehicle capacity ratio
VdB	Vibration Decibels
VOC	Volatile Organic Compound A family of highly evaporative organic materials used in a variety of industrial applications, such as paints and solvents and a major constituent of petroleum-based fuels
VMT	Vehicle Miles Traveled The total number of miles traveled by a motor vehicle for a given area and time period
WRP	Waterfront Revitalization Program, serving as New York City's Coastal Zone Management Program See also LWRP
PM25	Particulate matter of 25 microns or less. Particulates of this size show consistent and coherent associations with severe health effects
2013/2014	Analysis year for operation of the emergency ventilation plant
Section 4(f)	Section 4(f) of the Department of Transportation Act of 1966, which prohibits the Secretary of Transportation from approving the use of any publicly owned land from a public park, recreation area, or wildlife or waterfowl refuge of National, State or local significance; or any land from a historic site of National, State or local significance unless there is no feasible and prudent alternative and all possible planning to minimize harm has been incorporated
14th Street Station	14 th Street Station on the A C E Subway line located on 14 th Street and Eighth Avenue. 14 th Street Station on the 1 2 3 Subway line is located on 14 th Street and Seventh Avenue
Section 106	See National Historic Preservation Act of 1966
National Historic Preservation Act of 1966	Statute enacted by Congress establishing a nationwide policy to support and encourage the preservation of prehistoric and historic resources and to direct Federal agencies to assume responsibility for considering such resources in their activities. Section 106 of the Act does not mandate preservation of such resources but requires Federal agencies to consider the impact of actions on historic properties listed or eligible for listing on the National Register of Historic Places
2010	Analysis year for construction of the emergency ventilation plant