

Lincoln Tunnel (LT) / Port Authority Bus Terminal (PABT)

MAJOR CONSTRUCTION PROJECTS SINCE 1993

Existing Bowling Alley Renovation
 Fit-out for New Restaurant (Heartland Brewery)
 Installation of Media Mesh Digital Display at PABT

POST CONSTRUCTION ASSESSMENTS

LEGEND:

Code	Code Required Assessments
Non-Code	PA Assessments that are not required by code
NYC Only	Façade Assessments required by code in NYC only
NJ Only	Assessments required by code in New Jersey only

VERTICAL TRANSPORTATION, BOILER & REFRIGERATION INVENTORY

Elevators		Escalators		Moving Walks		Boilers		Refrigeration Systems	
PA	Tenant	PA	Tenant	PA	Tenant	PA	Tenant	PA	Tenant
LT 9						LT 6		LT 4	
PABT 13	PABT 1	PABT 54							

FACILITY CONDITION SURVEY PROGRAM INVENTORY

BUILDINGS	BRIDGES				TUNNELS		PIERS & WHARVES	SIGN & LIGHT STRUCTURES	LIGHT/CATENARY POLES
	VEHICULAR	PEDESTRIAN	LIGHT RAIL SYSTEM	RAIL	VEHICULAR	RAIL			
15 Total	1.7 mi. (516,500 s.f.)				5 mi.			633	
Façade									
8									
Structural Items other than Façade									
15									

FAÇADE ASSESSMENT SCHEDULE

LOCATION	BUILDING NO.	BUILDING NAME	HEIGHT (Ft.)	LAST FAÇADE ASSESSMENT	NEXT FAÇADE ASSESSMENT
NJ	None	NJLVB-No/Cen Tun	144	2012	2017
NJ	None	NJLVB-So Tun	144	2012	2017
NYC	None	NYRVB-No/Cen Tun	142	2012	2017
NYC	None	NYLVB-So Tun	151	2012	2017
NYC	None	NYLVB-No/Cen Tun	115	2012	2017
NYC	None	Port Authority Bus Terminal	115	2010	2015
NYC	None	41st St. Vent Bldg	80	2010	2015

MANDATED INSPECTIONS

FACILITY	DESCRIPTION	ACTION TAKEN	YEAR COMPLETED
LT	I-495 over JFK Blvd deteriorated slab	Steel plate put up over deteriorated area	2001
LT	W. 36th street bridge over Dyer Ave. fascia impact damage	Repaired damaged concrete fascia wall	2003
LT	38th Str. Bridge loose deteriorated concrete panels	Removed loose concrete panels	2003
LT	W99-cracked light base & Galvin ave. expansion joint protruding	Removed light pole and replaced expansion joint	2003
LT	Displaced coping stone on helix over JFK Blvd.	Replaced coping stone	2004
LT	Eastbound I-495 over pleasant ave. deteriorated columns	Removed deteriorated concrete	2005
LT	I-495 over JFK Blvd. Br. Deteriorated concrete	Removed deteriorated concrete	2005
LT	I-495 Viadcut deteriorated column	Repaired columns	2005
LT	Ramp 97 deck deterioration at expansion joint	Repaired hole in slab and potholes	2006
LT	WB Helix impact damage to traffic railing	Repaired masonry parapet & guardrail	2006
LT	I-495 Helix over police parking loose concrete from underside of deck	Loose concrete removed. Repaired spalls	2006
LT	Bus Ramps E92, E96 & E98 over 40th St.: brick facing of 3 concrete pilasters deteriorated	Brick facing removed by facility.	2006
LT	Helix: Loose concrete at Pier 7 & Pier 9	Loose concrete was removed. Repair pier stem on routine basis.	2006
LT	Helix guard rail damaged from vehicle impact	At span 2 of the east ramp, installed barrier. Repaired remaining damaged guardrails	2007
LT	Bus Ramp W99 deteriorated concrete underside of deck; crack in column encasement at PABT	Repaired spalls & column concrete encasement	2007
LT	WB Helix over center ramp: damaged guide rail and posts	Guide rail & posts were reinstalled	2007
LT	I-495 over JFK Blvd. deteriorated deck	Repaired deteriorated deck	2007
LT	Ramp W99: deteriorated concrete deck	Repaired concrete deck	2007
LT	Bridge over RR between 31st & 33 st south abutment deteriorated expansion joint	Repaired deteriorated expansion joint	2008
LT	Helix - deteriorated concrete on underside of slab	Removed loose concrete	2009
LT	Helix - impact damage to guiderail and parapet	Repair guiderail and parapet	2009
LT	Land Ventilation Building	Remove Deteriorated Brick Facing	2011
LT	NY Expressway	Install Temporary plate, Repair through hole	2011
LT	Truck Impact Damage to the helix guiderail	It is recommended to replace the damaged thrie-beam guiderail in-kind	2011
LT	Rock slope E- Fallen Rocks behind ventilation BLDG.	Perform General Scaling to remove loose rocks along the length of the slope - remove vegetation-restrict access to the area until scaling is completed.	2011
LT	NY Approach- Deteriorated concrete utility Duct at West 39th St. over Dyer Ave. BIN 5522380	Remove Cracked and delaminated Concrete	2011
LT	NY approach- Deteriorated concrete utility duct at west 37th st. Bridge over Dyer Ave- BIN 5522360	Remove Deteriorated Concrete	2011
LT	NY Approach- Settled Concrete slab	Repair settled roadway slab	2011
LT	North Tube- Damaged steel Curb	Install additional anchors and weld curb sections until permanent repair is completed	2011
LT	NY Approach - Deteriorated concrete underside of deck at 495IX over AMTRAK/LIRR Penn yard bridge BIN5522309	Remove Cracked and delaminated Concrete	2011
LT	LT Helix (BIN 3800031) - Deck Spall near span 23 deck Joint-Bent 18	Patch the spalled area with rapid set concrete after all of the asphalt fill material and loose concrete removed. Reset the temporary plate.	2011

LT	NY Approach-BIN 5522370 & 5522440 Deteriorated Wearing Surface	Remove Deteriorated wearing surface and patch the spall with concrete mix.	2011
LT	LT Bus Ramp W99 over 10th Ave - Vertical under clearance sign.	Install a 12'-8" vertical clearance posting sign on the south fascia as soon as possible.	2011
LT	Rock slope E- Fallen Rocks behind ventilation BLDG.	Restrict access to the area directly below the large rock mass. It is also recommended to re-inspect the slope after the first freeze and thaw cycle.	2011
LT	NY- Approach on grade sign and lighting Structures - NY-28D and NY 139 light poles - Loose Anchor bolts	Tighten loose anchor bolt nuts	2011
LT	NY App. Sign and Lighting Structure - Cracked Base of light pole supporting sign structure NY-329	Remove light pole	2011
PABT	Marquee over 9th Ave Entrance - Detached Panel	The detached panel was secured to the plywood with stainless steel screws, replace the missing steel panel in kind on a routine basis.	2011
PABT	Underside of suburban bus level- Col line 16 bet col lines K & L. Cracked Concrete encasement of a girder.	Clean the trough below the joint, clean and lubricate the expansion bearings under the stringers on a routine basis.	2011
PABT	South wing- Suburban concourse- Deteriorated Stucco at wall along column line one	Remove the deteriorated stucco areas between columns lines BA & EF and remove the rusted furring channels, wire lath and partially removed stucco edges between column lines A & BA	2011
PABT	PABT south wing- Underside Framing of the Upper bus level- Cracked and Deteriorated Concrete Encasement of steel beam.	Remove Deteriorated Concrete (Temporary shoring was installed)	2011
PABT	South Wing car parking level 7 - Disconnected & shifted parapet between column line 17-19 along column U6	Cordon off the area in front of the parapet on the 7th floor and the area directly below on the 6th floor till repair is completed	2011
PABT	Deteriorated concrete between 5th and 7th floor	Hollow sounding and cracked concrete encasement shall be removed	2011
PABT	Delaminated concrete encasement at underside of car parking level 5	Cordon off the sidewalk below and remove the delaminated concrete.	2011
LT	NJ Transit Park & Ride parking - Deteriorated and Tilted Timber Poles.	Remove the two timber poles	2012
LT	South Tube - Deteriorated and disconnected steel curb sections	Repair the steel curb sections	2012
LT	Rock slope E behind ventilation building - Unstable rocks	Secure the unstable rocks and remove the uprooted tree	2012
LT	North Tube - Deteriorated south steel curb sections between stations 178+00 to 180+00	Repair the steel curb on a priority basis	2012
LT	NJ approach - Ramp I495 Over S marginal St (BIN 3800027) - Loose stone at south parapet.	Loose Stones were removed - it is recommended to secure the vibrating of the remaining parapet	2012
LT	NY Approach Retaining walls - Deteriorated Concrete at retaining wall G west	Repair Spalled pilasters on a priority repair	2012
PABT	Cracked and delaminated concrete at car parking level 6 and 7 and underside of forth floor slab.	Remove the cracked and delaminated concrete	2012
PABT	North wing entrance lobby stairs - corroded risers	Repair the corroded stair riser	2012
LT	NJ Approach - Ramp I495 over south marginal street (Bin 3800027) - Loose concrete Parapet	Temporary Repair was installed. Design division will prepare repair details.	2013

LT	Truck impact damage to the Helix Guiderail (Bin 3800031)	Replace the damaged thrie-beam guiderail in-kind. Also replace the two broken directional signs	2013
LT	NJ App BIN 3800027 - Loose stone masonry at Pier 10	Remove or reset the stone	2013
LT	NY app- Ramp 97 at the overpass of Ramp 95 - Megabus overheight	Post 11'-6" and 11'-2" clearance sign to comply with NYSDOT	2013
LT	North tube- Bulging wall tiles- Station 165+80	Remove bulging tiled	2013
LT	North tube-between Sta.218+15 to Sta. 218+50 - Separated curb plate	Secure loose curb plates to the concrete wall	2013