Appendix A

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	BRIDGE CAPITAL PROGRAM
East River Bridge Rehabilitation Plans	A-1
Bridges Under Construction	A-2
Component Rehabilitation	A-3
Bridges Under Design	A-4

MANHATTAN BRIDGE

REHABILITATION ITEMS TOTAL ESTIMATED COST

	TOTAL ESTIMATED COST	
•	Repair floor beams. (1982)	Est. Cost (\$ in millions) 0.70*
•	Replace inspection platforms, subway stringers on approach spans. (1985)	6.30*
•	Install truss supports on suspended spans. (1985)	0.50*
•	Partial rehabilitation of walkway. (1989)	3.00*
•	Rehabilitate truss hangers on east side of bridge. (1989)	0.70*
•	Install anti-torsional fix (side spans) and rehabilitate upper roadway decks or approach spans on east side; replace drainage system on approach spans install new lighting on entire upper roadways east side, including purchase of fabricated material for west side of bridge. (1989)	,
•	Eyebar rehabilitation - Manhattan anchorage Chamber "C." (1988)	12.20*
•	Replacement of maintenance platform in the suspended span. (1982)	4.27*
•	Reconstruct maintenance inspection platforms, including new rail and hanger systems and new electrical and mechanical systems; over 2,000 interim repairs to structural steel support system of lower roadway for future functioning of roadway as a detour during later construction contracts. (1992)))
•	Install anti-torsional fix on west side (main and side spans); west upper roadway decks, replace drainage systems on west suspended and approach spans; walkway rehabilitation (install fencing, new lighting on west upper roadways and walkways); rehabilitate cables in both Brooklyn and Manhattar anchorage chambers; dehumidify Brooklyn and Manhattan anchorages (1997)	n r 1
•	Installation of test panels. (1982)	1.55****
•	Removal of existing suspender ropes and sockets in the suspended spans replacement with new suspender ropes and sockets in the suspended spans and re-tensioning of suspender ropes bearing plates; re-tensioning of cable band bolts; removal of existing main cable wrapping; cleaning of main cables application of new protective paste on main cables; replacement of new main cable wrapping; reinforcement of truss verticals and gusset plates. Replacement of necklace lighting and multirotational bearings at truss "C" and "D," installation of access platforms at towers, rehabilitation of south upper Roadway Lighting. (2010)	6 9 ; 1 149.38**
•	Interim Steel Rehabilitation and Painting - cable and saddle repairs lower roadway floorbeams @PP 37/38 on approaches and at anchorages; west side truss rockers and grillages on approaches; cable and suspender repairs Removal of parking desk. Painting entire west side, all four cables. (2001)	t

MANHATTAN BRIDGE

REHABILITATION ITEMS TOTAL ESTIMATED COST

Est. Cost (\$ in millions)

Stiffening of Main Span; Reconstruction of North Subway framing; reconstruction of North upper roadway deck at suspended spans; rehabilitation of north approach span trusses; replace overlay on north upper roadway approach spans; rehabilitation of north elevated structures and subway tunnels; removal of railing on truss "D" in the north spans; painting of north side of bridge; new inspection platforms and debris protection in approach spans; construction of new north bikeway, replacement of approach span bearings and grillages; installation of Intelligent Vehicle Highway System for North and South Upper Roadways as well as for Lower Roadway. (In Progress)

184.78*

 Rehabilitation of Lower Roadway; rehabilitation of anchorage roofs under lower roadway; rehabilitation of substructures and retaining walls in Brooklyn and Manhattan approaches; installation of new signage on bridge and at plaza areas; installation of new lighting on lower roadway and plaza areas; clean and paint lower roadway; installation of grating platform under towers at lower roadway; canopy lighting at towers. (Present)

143.80*

Seismic Retrofit. (2020)

40.00

to

60.00***

TOTAL: \$ 880.78

to

\$ 900.78

- Construction Complete
- ** In Construction
- *** In Design
- **** Research and Development (completed)

Revised 10/31/11, No change

ED KOCH QUEENSBORO BRIDGE

REHABILITATION ITEMS

	TOTAL ESTIMATED COST	
	TOTAL LOTIMATED GOOT	Est. Cost (\$ in millions)
•	Repair lower outer roadways / reconstruct two ramps in lower Queens. (1984) Reconstruct south upper roadway, replace inspection platforms, lighting. (1986)	18.80* 31.50*
•	Interim rehabilitation, contracts A, B, & C (repairs to lower deck and main bridge approaches). (1985)	2.80*
•	Interim rehabilitation, contract D (repairs to lower deck, main bridge, and new median barrier). (1988)	3.00*
•	Reconstruct north upper roadway and Queens approaches A & B, rehabilitate bearings at Queens approach. (1989)	50.00*
•	Reconstruct ramps C & D (Queensboro only, not Thompson Avenue). (1988)	10.40*
•	Rehabilitate bridge bearings, pier tops, and truss lower chords. (1989)	18.00*
•	Rehabilitate Queens approach trusses, lower inner roadways on the main span and approaches. (1996)	172.00*
•	Rehabilitate lower outer roadways main span and approaches, (bikeway) cleaning and painting. (2001)	227.05*
•	Cleaning and painting main bridge upper trusses. (2009)	168.24*
•	Miscellaneous Items – Component Rehabilitation. (In Progress)	43.88*
•	Eye bar investigation. (In Progress)	0.62***
•	Seismic Retrofit. (2020)	40.00
		to
•	Installation of aviation lighting (2010)	60.00*** 1.76*

TOTAL: \$ 788.05

to

\$ 808.05

* Construction Complete

** In Construction

*** In Design

**** Research and Development

Revised 10/15/12

WILLIAMSBURG BRIDGE

REHABILITATION ITEMS TOTAL ESTIMATED COST

	TOTAL ESTIMATED COST			
		Est. Cost (\$ in millions)		
•	Replace main span outer roadway. (1983)	11.20*		
•	Replace one third of suspenders. (1984)	3.20*		
•	Repair pier 20E foundation, and replace bulkhead. (1986)	2.30*		
•	Paint side spans and towers. (1985)	1.10*		
•	Paint main and approach spans. (1989)	4.24*		
•	Emergency interim repairs. (1989)	10.00*		
•	Install temporary hand-rope system on main cables. (1990)	0.63*		
•	Main cable preservation (field test - oiling). (1991)	0.44*		
•	Main cable strand splicing at Manhattan anchorage. (1991)	0.29*		
•	Interim pedestrian walkway. (1994)	1.05*		
•	Component repairs of flag conditions on the north outer roadway and no inner roadway. (1994)	rth 4.12*		
•	Rehabilitate main cables and new redundant suspender system. (1996)	88.30*		
•	Demolish existing building under approaches. (1993)	1.50*		
•	Testing Program for bored-in piles. (1993)	0.74*		
•	Demolish DOS and DOH buildings, replace entire south outer roadway approach structures, rehabilitate south outer roadway deck and south inroadway deck of the main bridge, and replace south inner roadway substructure of the approaches. (1998)	ner		

WILLIAMSBURG BRIDGE

REHABILITATION ITEMS TOTAL ESTIMATED COST

Est. Cost (\$ in millions)

 Portion of Contract #6 BMT track structure work transferred to Contract #5 south approach roadway reconstruction work. (1998)

65.00*

• Paint main and intermediate towers. (2001)

14.90 *(1)

 Reconstruct BMT Subway structure; install new signals, tracks and communication system. (2000)

166.65*

• Miscellaneous rehabilitation work: rehabilitation of towers, replace bearings, travelers, architectural work, painting of north and south trusses, suspender adjustment, tower jacking, construction of colonnades, purchase of barrier transfer machine BTM) and contra-flow barriers, lane control signal field system. Seismic retrofit – reinforce concrete with granite cladding, bearing replacement at PP10 & 15, rehabilitation of wind tongue casting assembly at main towers, contra-flow of south inner roadway – installation of contra-flow barriers, lightning protection grounding system. Kent Avenue Yard soil erosion and deck pins at PP29 E/W rehabilitation, modular joint repairs and structural flag repairs. (In Progress)

280.00**

 Replace north approach structures (Manhattan / Brooklyn), and rehabilitate north half of bridge. (2002)

233.00*

TOTAL: \$1,086.66

- * Construction Complete
- ** In Construction
- *** In Design

(1) Painting suspended in 1996 pending publication of Environmental Impact Statement (EIS) in 1998. Painting resumed under a new schedule in 1999 and was completed in 2001.

Revised 11/12/10, No change

BROOKLYN BRIDGE

REHABILITATION ITEMS TOTAL ESTIMATED COST

		Est. Cost (\$ in millions)
•	Brooklyn Tower protection and new sign gantries. (1981)	2.72*
•	Rehabilitate promenade between towers. (1983)	0.94*
•	Rehabilitate cables in anchorage and replace short rod suspenders; rehabilitate balance of promenade and construct bikeway and new pedestrian ramp. (1988)	22.68*
•	Rehabilitate and paint York, Main, William and Prospect Street structures and main bridge roadway deck overlay. (1988)	6.21*
•	Replace suspenders, cable posts, stay cables, hand-rope necklace lights, main cable wrapping; paint suspended spans. (1991)	53.57*
•	Rehabilitate ramp E. concrete piers of ramp C and abutment at ramps C & I, and rehabilitate Sands and Washington Street structures in Brooklyn. (1991)	4.73*
•	Rehabilitate ramp D and H in Manhattan; permanent improvement of promenade at Manhattan approach. (1993)	17.92*
•	Rehabilitate floor systems, stiffening trusses, roadways of suspended spans and Franklin Square trusses. (1994)	66.30*
•	Rehabilitate Manhattan traveler (electrical work). (1997)	1.83*
•	Rehabilitate ramp D and widening along the FDR Drive. (1996)	11.50*
•	Arch supports for Franklin Square truss structure.	9.50*
•	Replacement of Suspended Span Deck. (2000)	36.2*
•	Resurfacing of the main spans. (1998)	6.67*

BROOKLYN BRIDGE

REHABILITATION ITEMS TOTAL ESTIMATED COST

Est. Cost (\$ in millions)

• Improvement of Manhattan end of promenade. (2001)

4.50*

Rehabilitate Brooklyn approach & ramps (B, S, F), Rehabilitate
 Manhattan approaches and remaining ramps (A,B,C,F,G,I,J), and Paint entire bridge. (2010)

508.61***

Seismic Retrofit. (2020)

160.00

to

180.00**

• Replacement of Travelers.

22.34*

TOTAL: \$ 936.22

to

\$ 956.22

* Construction Complete

** In Design

*** In Construction

Revised 12/26/12

BRIDGES UNDER CONSTRUCTION

CALENDAR YEAR 2012

CONTRACT # BRIDGE

CONTINACT#	BRIDGE
HBX1123	Bruckner Expressway SB & NB over Amtrak & CSX
HBX1160	Claremont Parkway over Metro North RR
HBX1195	Shore Road Circle Bridge over Amtrak
HBX1199A (aka	a HBX199B) Stand Alone Building Demolition (670 & 676 Grand Concourse)
HBM1117	Roosevelt Island Bridge over East River/East Channel
HBM1124	Willis Avenue Bridge over Harlem River
HBM1159	Wards Island Pedestrian Bridge over Harlem River
HBMC029	East 78th Street Pedestrian Bridge over FDR Drive (NB & SB)
HBK668	East 8 th Street Access Ramp (Guider Avenue Ramp to Belt Parkway) over Belt
	Parkway
HBK1024	Belt Parkway Bridge over Paerdegat Basin
HBK1072	Belt Parkway Bridge over Fresh Creek
HBK1091	Belt Parkway Bridge over Rockaway Parkway
HBK1072WM	Tidal Wetland Mitigation (4 Belt Parkway bridges)
HBR1217	Staten Island Ferry Terminal - Parking Exit Ramp over SIRT
HBR1217	Staten Island Ferry Terminal - Bus Station North over SIRT
HBR1217	Staten Island Ferry Terminal - Bus Station South over SIRT
HBR1217	Staten Island Ferry Terminal - North Ramp over SIRT
HBR1217	Staten Island Ferry Terminal - Bus Station Entrance Ramp over SIRT
HBR1217	Staten Island Ferry Terminal - Parking Entrance Ramp over SIRT
HBR1217	Staten Island Ferry Terminal - Bus Station Exit Ramp over SIRT
HBR1217	Staten Island Ferry Terminal - Pedestrian Overpass at Breezeway
HBR1217	Staten Island Ferry Terminal - Ramp A
BRC156R	Manhattan Bridge - Contract #14
BRC253CC	Williamsburg Bridge – Contract #8
BRC270C (#6)	Brooklyn Bridge (Ramps and painting)
HBCBORERS-I	31
	platforms midtown, FDR Drive relieving platform uptown + Carroll Street Bridge
	over Gowanus Canal + Ocean Avenue Pedestrian Bridge over Sheepshead Bay

BRIDGE CONSTRUCTION

PROJECTS COMPLETED IN CALENDAR YEAR 2012

CONTRACT # BRIDGE

HBX1123	Bruckner Expressway SB & NB over Amtrak & CSX
HBX1199A (ak	a HBX199B) Stand Alone Building Demolition (670 & 676 Grand Concourse)
HBM1117	Roosevelt Island Bridge over East River/East Channel
HBMC029	East 78th Street Pedestrian Bridge over FDR Drive (NB & SB)
HBK668	East 8 th Street Access Ramp (Guider Avenue Ramp to Belt Parkway) over Belt
	Parkway

Component Rehabilitation

The following table illustrates the program's performance over the last eight years:

	FY 05	*FY 06	[#] FY 07	FY 08	##FY 09	FY 10	*FY 11	###FY 12
Number of Bridges	9	0	0	10	0	13	0	10
Construction Cost	\$5.63	\$0	\$0	\$14.93	\$0	\$12.74	\$0	\$6.35

In 2012, work was completed at the following bridges, in the indicated boroughs, at the final cost shown, in millions:

Superior Road over Cross Island Parkway (Q)	0.684
37 th Street over Brooklyn-Queens Expressway (Q)	0.579
15 th Avenue over LIRR Bay Ridge (K)	0.391
East Drive over East Wood Arch (K)	0.204
United Nations Plaza over 1 st Avenue Tunnel (M)	1.555

TOTAL \$3.413 M

During calendar year 2012, work commenced at the following bridges:

Brooklyn-Queens Expressway over Adams St. NB (K) Brooklyn-Queens Expressway over Adams St. SB (K) 13th Avenue over LIRR & Sea Beach (K) Bedford Avenue over LIRR Bay Ridge (K) 15th Avenue over LIRR Bay Ridge (K) East Drive over East Wood Arch (K)

^{*}No contracts were bid during the 2006 and 2011 calendar years.

______One contract was bid during the 2007 calendar year, but was not registered until April 2008.

^{***}Two contracts were bid during the 2009 calendar year, but were not registered until March and May 2010.

One contract was bid during the 2012 calendar year and was registered in June 2012.

Component Rehabilitation

There are two projects "still under construction" since the 2011 *Annual Report* was issued.

149th Street over LIRR (Q) Jackie Robinson Parkway & Union Turnpike over Austin Street (Q)

17 component rehabilitation projects are slated to continue, commence or be completed in the 2013 calendar year. They are:

149th Street over LIRR (Q) Ocean Avenue over LIRR (K)

13th Avenue over LIRR & Sea Beach (K) West 148th Street Pedestrian Bridge over Amtrak 30th Street Branch (M) Inwood Hill Park Footbridge over Amtrak 30th Street Branch (M) Jackie Robinson Parkway & Union Turnpike over Austin Street (Q) Albee Avenue over SIRT South Shore (R)

Union Street over Brooklyn-Queens Expressway (K)
Brooklyn-Queens Expressway over Adams St. NB (K)
Brooklyn-Queens Expressway over Adams St. SB (K)
4th Avenue over Belt Parkway (K)
Belt Parkway over Bedford Avenue (K)
Carroll Street over Gowanus Canal (K)
Crown Street over Franklin Shuttle (K)
Bedford Avenue over LIRR Bay Ridge (K)

(Hill Drive) Cleft Ridge Span over Pedestrian Path South of Boathouse (K) 5th Avenue over Greenwood Cemetery

BRIDGES UNDER DESIGN BY NEW YORK CITY							
BIN NO.	CAPIS NO.	FEATURE CARRIED	FEATURE CROSSED	FY CNST	PHASE	BORO	
2230300	HBCR01B	MOSHOLU PARKWAY	CONRAIL (ABANDONED)	2014	FD	В	
2241139	HBCR01B	LEGGETT AVENUE	AMTRAK - CSX	2014	FD	В	
2241620	HBCR01B	EAST 162 ND ST	METRO NORTH RR HAR	2014	FD	В	
2241630	HBCR01B	EAST 165 TH ST	METRO NORTH RR HAR	2014	FD	В	
2241820	HBCR01B	EAST 187 [™] ST	METRO NORTH RR HAR	2014	FD	В	
2242029	HBCR01B	SOUTHERN BOULEVARD	EAST FORDHAM ROAD	2014	FD	В	
2242280	HBCR01B	GRAND CONCOURSE	EAST 167 TH ST	2014	FD	В	
2242400	HBCR01B	EAST 180 TH ST	BRONX RIVER	2014	FD	В	
2230290	HBCR02A	MOSHOLU PARKWAY	EQUESTRIAN PATH	2015	PD	В	
2242350	HBCR02A	EAST FORDHAM ROAD	GRAND CONCOURSE	2015	PD	В	
2269030	HBCR02A	MATTHEWSON ROAD	MAC CRACKEN AVENUE	2015	PD	В	
2241080	HBCR02B	SOUTHERN BLVD	CSX PORT MORRIS	2015	PD	В	
2241129	HBCR02B	EAST 149 [™] STREET	AMTRAK & CSX	2015	PD	В	
2241330	HBCR02B	UNIONPORT ROAD	AMTRAK & CSX	2015	PD	В	
2242071	HBCR02B	BRONX BLVD S.B.	BRONX RIVER	2015	PD	В	
2242072	HBCR02B	BRONX BLVD N.B.	BRONX RIVER	2015	PD	В	
2241790	HBX190	EAST 180 TH STREET	METRO NORTH RR	2020	PD	В	
2242319	HBCR03A	GRAND CONCOURSE	EAST 174 ^{1H} STREET	2015	PD	В	
2241570	HBX199	EAST 153 RD ST	METRO NORTH RR	2022	FD	В	
2075837	HBX1086	WESTCHESTER AVENUE	HRP	2016	FD	В	
2241590	HBX1103	CONCOURSE VILL AVE	METRO NORTH RR HAR	2020	FD	В	
2066510	HBX1131	BRUCKNER EXPRESSWAY	WESTCHESTER CREEK	2015	PD	В	
2241800	HBX1139	EAST 183 RD ST	METRO NORTH RR HAR	2022	FD	В	
NEW 2240200	HBX1148B	SHORE ROAD (NEW)	HUTCHINSON RIVER	2021	PD	В	
2241210	HBX1152	BRYANT AVE	AMTRAK	2014	FD	В	
2240210	HBX1164	CITY ISLAND ROAD	EASTCHESTER BAY	2013	FD	В	
2241810	HBX1172	EAST 188 TH ST	METRO NORTH RR HAR	2021	FD	В	
2241409	HBX1190	GRAND CONCOURSE	METRO NORTH RR HUD	2018	FD	В	
2242319	HBX1191	GRAND CONCOURSE	EAST 174 TH ST	2018	PD	В	
2242220	HBX1214	SNUFF MILL ROAD (SOUTHERN BLVD)	BRONX RIVER	2022	PD	В	
2241740	HBX1215	EAST 175 TH ST	METRO NORTH RR	2019	PD	В	
2230250	HBX1216	MOSHOLU PARKWAY	BRONX RIVER	2022	PD	В	
2240137	HBM1147	BROADWAY	HARLEM RIVER	2017	FD	BM	
2240079	HBX644S	MADISON AVE	HARLEM RIVER	2017	PD	BM	
1240090	BRX287S	MACOMBS DAM BRIDGE	HARLEM RIVER	2015	FD	BM	
2240027	BRC156S2	MANHATTAN BRIDGE (LL)	EAST RIVER	2020	PD	KM	
2240028	BRC156S2	MANHATTAN BRIDGE (UL)	EAST RIVER	2020	PD	KM	
2240019	BRC270S	BROOKLYN BRIDGE	2781 (B.Q.E.)	2020	FD	KM	
2230420	HBCR02A	B.Q.E. (S.B.)	WASHINGTON STREET	2015	PD	K	
2244030	HBCR02A	EAST DRIVE	BRIDLE PATH	2015	PD	K	
2230370	HBCR02B	SACKETT STREET	B.Q.E.	2015	PD	K	
2231449	HBCR03A	KNAPP STREET	BELT PARKWAY	2015	PD	K	
2244440	HBCR03A	SOUTH OF TILLARY STREET		2015	PD	K	
2230410	HBCR03A	EB BQE	WASHINGTON STREET	2015	PD 	K	
2243710	HBKC062	19TH AVE	BMT SEA BEACH	2022	FD	K	
2243100	HBKC064	BEVERLY ROAD	BMT SUBWAY, BRIGHTON	2016	FD	K	
2243020	HBK530	PARKSIDE AVE	BMT SUBWAY, BRIGHTON	2020	FD	K	

PD=Preliminary Design; FD=Final Design; DB=Design Build

	BRIDGES UNDER DESIGN BY NEW YORK CITY								
BIN NO.	CAPIS NO.	FEATURE CARRIED	FEATURE CROSSED	FY CNST	PHASE	BORO			
2243820	HBK548	21 ST AVE	BMT SEA BEACH	2020	FD	K			
2243050	HBK531	CATON AVENUE	BMT SUBWAY, BRIGHTON	2022	FD	K			
2231450	HBK643	BSHP	GERRITSEN INLET	2013	FD	K			
2231479	HBK1023	BSHP	MILL BASIN	2014	FD	K			
2243080	HBK1032	CHURCH AVENUE	BMT SUBWAY, BRIGHTON	2022	FD	K			
2243510	HBK1046	FLATBUSH AVE	LIRR BAY RIDGE	2022	PD	K			
2231249	HBK1089	BSHP	BAY RIDGE AVE	2014	FD	K			
2231439	HBK1090	BSHP	NOSTRAND AVE	2021	FD	K			
2230887	HBK1151	278I W.B. (B.Q.E.)	CADMAN PLAZA	2022	FD	K			
2230888	HBK1151	2781 E.B. (B.Q.E.)	CADMAN PLAZA	2022	FD	K			
2243140	HBK1153	NEWKIRK AVE	BMT SUBWAY, BRIGHTON	2022	FD	K			
2243040	HBK1154	CROOKE AVE	BMT SUBWAY, BRIGHTON	2022	FD	K			
2243569	HBK1201	ATLANTIC AVE	LIRR ATLANTIC AVE	2016	FD	K			
2240270	HBK1213	UNION STREET BRIDGE	GOWANUS CANAL	2019	PD	K			
2231319	HBK1202	BELT PARKWAY	BAY PARKWAY	2022	PD	K			
2243400	HBK1204	50 [™] STREET	LIRR BAY RIDGE	2022	FD	K			
2243580	HBK1205	5 TH AVENUE	LIRR & SEA BEACH	2019	PD	K			
2243150	HBK1208	FOSTER AVENUE	BMT SUBWAY BRIGHTON	2022	FD	K			
2240047	BRC231S	ED KOCH QUEENSBORO BRIDGE (LL)	EAST RIVER	2020	PD	MQ			
2240048	BRC231S	ED KOCH QUEENSBORO BRIDGE (UL)	EAST RIVER	2020	PD	MQ			
2246980	HBCR01B	RIVERSIDE DRIVE	WEST 138 [™] ST	2014	FD	М			
2267130	HBCR01B	RIVERSIDE DRIVE	WEST 145 TH ST	2014	FD	М			
224004D	HBCR01C	RAMP TO ED KOCH QUEENSBORO BRIDGE	E 59 [™] ST	2014	FD	М			
2245220	HBCR02A	WEST 57 [™] STREET	AMTRAK 30 TH ST BRANCH	2015	PD	М			
2245319	HBCR02A	EAST 97 TH STREET	METRO NORTH	2015	PD	М			
2229312	HBCR03A	HHP NB	RAMP TO 96 TH STREET	2015	PD	М			
2233059	HBM1027	HARLEM RIVER DRIVE	RAMP TO HRD N.B.	2014	DB	М			
2245010	HBM1120	11 TH AVE VIADUCT [NORTH]	LIRR WEST SIDE YARD	2020	FD	М			
2232040	HBM1056	HOUSTON STREET	FDR DRIVE	2015	DB	М			
223204A	HBM1056	FDR DRIVE NB RAMP TO HOUSTON STREET	RELIEF	2015	DB	М			
223204B	HBM1056	HOUSTON STREET RAMP TO FOR DRIVE NB	RELIEF	2015	DB	М			
226672A	HBM1171	W 31 ST ST	AMTRAK LAYUP TRACKS	2020	FD	М			
224501B	HBM1184	W 33 RD ST	AMTRAK 30 TH ST BRANCH	2022	FD	М			
224501D	HBM1185	W 34 TH ST	AMTRAK 30 TH ST BRANCH	2022	FD	М			
224501E	HBM1186	W 35 TH ST	AMTRAK 30 TH ST BRANCH	2022	FD	М			
224501F	HBM1187	W 36 [™] ST	AMTRAK 30 TH ST BRANCH	2022	FD	М			
2245209	HBM1188	11 [™] AVE	AMTRAK 30 TH ST BRANCH	2022	PD	М			
2229290	HBM1189	W 79 [™] ST	AMTRAK	2017	PD	М			
2232070	HBM1221	E 25 TH STREET PEDESTRIAN BRIDGE	FDR DRIVE	2024	PD	М			
224004H	HBCR01C	RAMP FROM ED KOCH QUEENSBORO BRIDGE	BRIDGE PLAZA SOUTH	2014	FD	Q			
2247220	HBCR01C	80 [™] ROAD	LIRR	2014	FD	Q			
2248300	HBCR01C	71 ST AVE	COOPER AVENUE	2014	FD	Q			

PD=Preliminary Design; FD=Final Design; DB=Design Build

BIN NO. CAPIS NO. FEATURE CARRIED FEATURE CROSSED FY ONE ONST	BRIDGES UNDER DESIGN BY NEW YORK CITY								
SB	BIN NO.	CAPIS NO.	FEATURE CARRIED	FEATURE CROSSED		PHASE	BORO		
DOUGLASTON PARKWAY NB BCIP 2014 FD Q NB	2266129	HBCR01C		BCIP	2014	FD	Q		
225180	2266139	HBCR01C	DOUGLASTON PARKWAY	BCIP	2014	FD	Q		
PEDESTRIAN PEDESTRIAN WHITESTONE EXPRESSWAY S.B. TO CROSS ISLAND PARKWAY E.B. EXPRESSWAY S.B. TO CROSS ISLAND PARKWAY EXPRESSWAY EXPRESSMAY	2267160	HBCR01C		PARK ROAD	2014	FD	Q		
EXPRESSWAY S.B. TO	2231880	HBCR02A		CROSS ISLAND PARKWAY	2015	PD	Q		
2230890	2266160	HBCR02A	EXPRESSWAY S.B. TO CROSS ISLAND PARKWAY	WHITESTONE	2015	PD	Q		
2231980	2230890	HBCR02B	49 TH STREET		2015	PD	Q		
December 2015 PD Q PD PD	2231950	HBCR03A	150 ^{1H} STREET	CROSS ISLAND PARKWAY	2015	PD	Q		
WB	2231980	HBCR03A	147 TH STREET	CROSS ISLAND PARKWAY	2015	PD	Q		
1247560	2055801	HBCR03A		FLUSHING RIVER	2015	PD	Q		
2231780	2055802	HBCR03A	NORTHERN BOULEVARD EB		2015	PD	Q		
Decided Company Comp	1247560		,						
2231850			_						
2247120	2266149	HBQ1114							
2248159									
2248160	2247120								
2240410 HBQ1162 BORDEN AVENUE DUTCH KILLS 2019 PD Q 2231760 HBQ1173 BCIP DUTCH BRDWAY-115 AVE 2022 PD Q 2231630 HBQ1200 SPRINGFIELD BOULEVARD BELT PARKWAY 2017 PD Q 2240507 HBQ1203 ROOSEVELT AVE VAN WYCK EXPRY 2014 FD Q 2248280 HBQ1206 HIGHLAND PK PED BRDG PEDESTRIAN PATH 2014 FD Q 2248280 HBQ1207 HILLSIDE AVE BCIP 2020 PD Q 2266160 HBQC064 WHITESTONE EXPRY/VAN WYCK EXPRY ACCESS ROAD FROM WYCK EXPRY 2019 PD Q 2249520 HBCR01C HANNAH STREET SIRT SOUTH SHORE 2014 FD R 22499240 HBCR02B ARTHUR KILL ROAD SIRT SOUTH SHORE 2015 PD R 22499450 HBCR03A FREMONT AVENUE SIRT SOUTH SHORE 2015 PD R 800010 HBRC036 GALL									
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R00013 HBRC038 NAUGHTON AVE PATTERSON AVE 2015 FD R R00023 HBRC039 MIDLAND AVE HYLAN BLVD 2015 FD R R00034 HBRC040 ROCKLAND AVE BRIELLE AVE 2015 FD R R00068 HBRC041 FOREST AVE RANDALL AVE 2015 FD R R00069 HBRC042 GREGG PLACE RANDALL AVE 2015 FD R R00084 HBRC043 ARTHUR KILL RD MULDOON AVE 2015 FD R R00097 HBRC044 RICHMOND HILL RD RICHMOND RD 2015 FD R	R00010	HBRC036	GALLOWAY AVE	MARIANNE ST	2015	FD	R		
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R00034 HBRC040 ROCKLAND AVE BRIELLE AVE 2015 FD R R00068 HBRC041 FOREST AVE RANDALL AVE 2015 FD R R00069 HBRC042 GREGG PLACE RANDALL AVE 2015 FD R R00084 HBRC043 ARTHUR KILL RD MULDOON AVE 2015 FD R R00097 HBRC044 RICHMOND HILL RD RICHMOND RD 2015 FD R	R00013	HBRC038	NAUGHTON AVE	PATTERSON AVE	2015	FD	R		
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R00097 HBRC044 RICHMOND HILL RD RICHMOND RD 2015 FD R	R00069	HBRC042	GREGG PLACE		2015	FD			
		HBRC043			2015				
R00122 HBRC045 ARTHUR KILL RD RIDGEWOOD AVE 2015 FD R					2015				
	R00122	HBRC045	ARTHUR KILL RD	RIDGEWOOD AVE	2015	FD	R		

PD=Preliminary Design; FD=Final Design; DB=Design Build

APPENDIX A-4

BRIDGES UNDER DESIGN BY NEW YORK CITY								
BIN NO.	CAPIS NO.	FEATURE CARRIED	FEATURE CROSSED	FY CNST	PHASE	BORO		
2249820	HBRC1149	ARTHUR KILL ROAD	ARTHUR KILL STREAM	2022	FD	R		

Revised 12/31/12

Appendix B

	FLAG CONDITIONS
Definitions and Procedures	B-1
2008-2012 Red, Yellow and Safety Flags	В-2
Flag Reporting and Tracking Process	В-3

FLAG DEFINITIONS AND PROCEDURES

(Source: NYSDOT Engineering Instruction 94-002)

New York State Department of Transportation (NYSDOT) bridge inspection procedures require that "Flags" be issued to report the existence of conditions that pose a clear and present danger, or conditions which, if left unattended for an extended period, would likely become a clear and present danger.

A "Flag" is classified as either a Red Flag, Yellow Flag or Safety Flag.

Red Flag is used to report the failure or potentially imminent failure of a critical primary structural component. Potentially imminent means that a failure is likely before the next scheduled inspection. The maximum time between bridge inspections is two years. Red Flags must be addressed within six weeks.



September 2008: Advanced Corrosion of Steel Stringer and Girder.



February 2011: Red Flag Stringer Repair at Riverside Drive Viaduct over West 158th Street.

Yellow Flag is used to report a potentially hazardous condition which, if left unattended beyond the next scheduled inspection, would likely become a clear and present danger. A Yellow Flag is also used to report the actual or imminent failure of a non-critical primary structural component, where its failure may diminish the reserve capacity or redundancy of the bridge but would not result in structural collapse or a clear and present danger.



February 2008: Yellow Structural Flag Due to the Deteriorated Cap Beam. October 2008: Corrosion of Steel Secondary Member. November 2008: Crack in Steel Girder.

FLAG DEFINITIONS AND PROCEDURES

(Source: NYSDOT Engineering Instruction 94-002)

Safety Flag is used to report a condition that presents a clear and present vehicular or pedestrian traffic hazard, but there is no danger of structural failure or collapse.



August, October, and November 2008: Examples of Tripping Hazards.



February 2008: Loose Bolts at the Lighting Base. October 2008: Electrical Hazard, and Loose Joint.

Certain Red or Safety Flags may be further classified as Prompt Interim Action (PIA) flags. PIA flags must be addressed within 24 hours of discovery.



Example of PIA Safety Flag: Broken Grating. Executive Director of Bridge Preventive Maintenance and Repair Tom Whitehouse (White Hardhat) Ensuring the Proper Setup of Containment Procedures at the St. George Ferry Terminal Landing Slips Before the Masons Address A PIA Flag (Falling Concrete). Inspecting the Flagged Condition.



PIA Flag (Truck Wedged Under the FDR Drive at Span 41): Removing the Debris. (Credit: Victor Sandoval) PIA Flag Repair (Through Hole) on Harlem River Drive Ramp. (Credit: Bojidar Yanev)

APPENDIX B-2

						AFFLINDIX D	_
	FLAG	CONDITI	ONS BY	CALEND	AR YEAR		
	2008	2009	2010	2011	2012	% increase (2008 – 2012)	
Citywide						,	
FLAGS ROUTED	1,764	1,286	1,591	1,342	1,187	-33%	
RED	84	72	53	56	34	-60%	
YELLOW	247	155	387	252	208	-16%	
SAFETY	1,433	1,059	1,151	1,034	945	-34%	
TOTAL FLAGS ELIMINATED	1,137	973	1,297	966	1,164	2%	
	60	67	17	5 0	42	200/	
RED	60	67	47	53	43	-28%	
YELLOW	195	188	214	126	243	25%	
SAFETY	882	718	1,036	787	878	0%	
TOTAL FLAGS OUTSTANDING	2,983	3,296	3,612	3,989	4,012	34%	
RED	39	44	50	53	44	13%	
YELLOW	620	587	760	887	852	37%	
SAFETY	2,324	2,665	2,802	3,049	3,116	34%	
JAILII	2,524	2,000	2,002	5,043	3,110	3470	
Division of Bridges Workload							
FLAGS ROUTED*	1,127	973	1,390	1,160	1,001	-11%	
RED	66	66	52	47	32	-52%	
YELLOW	240	147	383	250	204	-15%	
SAFETY	821	760	955	863	765	-7%	
FLAGS ELIMINATED	969	897	1,198	877	1,057	9%	
RED	41	67	40	46	41	0%	
YELLOW	188	185	207	126	241	28%	
SAFETY	740	645	951	705	775	5%	
O/		0.0	•	. 55		3 73	
FLAGS OUTSTANDING**	1,823	1,903	2,076	2,355	2,309	27%	
RED	39	38	50	51	42	8%	
YELLOW	594	556	731	845	808	36%	
SAFETY	1,190	1,309	1,295	1,459	1,459	23%	
JAI ETT	1,130	1,505	1,230	1,700	1,703	2370	

^{*}Does not include re-routed flags. **Includes re-routed flags.

Revised 1/11/13

FLAG REPORTING AND TRACKING PROCESS

There are three primary sources from which flags originate:

- NYSDOT inspectors
- NYCDOT inspectors
- NYCDOT Communications Center

State DOT Inspectors

- 1. State inspectors identify flag conditions.
- 2. Written notification of flag conditions are sent to the Bridge's Flags unit. (Immediate verbal notification is given for Red Flags and PIA flags.)
- 3. Flag condition reports are entered into the Division's "City Flag" and "State Flag" database.
- 4. Flag conditions are reviewed by City engineers who have four routing options:
 - assign flags to outside agencies for repair, or
 - have City inspectors monitor flags until further action is desired, or
 - assign flags to in-house or contractor forces for repair, or
 - assign flags to the Construction Section for Capital contractor repair.
- 5. Each flag condition is assigned a City Flag number, and routed to the appropriate group.
- 6. When flag conditions are eliminated, the respective databases are updated.

City DOT Division of Bridges Inspectors

- 1. City inspectors identify flag conditions and prepare a scope of work. (Immediate verbal notification is given for Red Flags and PIA flags.)
- 2. Flag condition reports are received and reviewed by the Flags unit.
- 3. Flag condition reports are entered into the "City Flag" database.
- 4. Flag conditions are reviewed by City engineers who have four routing options:
 - assign flags to outside agencies for repair, or
 - have City inspectors monitor flags until further action is desired, or
 - assign flags to in-house or contractor forces for repair, or
 - assign flags to the Construction Section for Capital contractor repair.
- 5. When flag conditions are eliminated, the database is updated.

City DOT Communications Center

- 1. Flag condition is phoned in.
- 2. City inspectors visit the site to review the reported condition.
- 3. If the deficiency warrants, a flag condition report is filed.
- 4. Flag condition reports are entered into the "City Flag" database.
- 5. Flag conditions are reviewed by City engineers who have four routing options:
 - assign flags to outside agencies for repair, or
 - have City inspectors monitor flags until further action is desired, or
 - assign flags to in-house or contractor forces for repair, or
 - assign flags to the Construction Section for Capital contractor repair.
- 6. When flag conditions are eliminated, the database is updated.

Appendix C

	2012 INVENTORY
Inventory Summary	C-1
Posted, Partially Closed & Closed Bridges	C-2
Bridge Identification Numbers	C-3
New York State Inspection System	C-4
Standard Abbreviations	C-5
Information on Inventory Lists	C-6
Adjustments to the Inventory	C-7
Listing of Bridge Inventory and Conditions	C-8

Inventory Summary

In Calendar Year 2012, the total number of bridge and tunnel structures under the jurisdiction of the New York City Department of Transportation (NYCDOT) increased to 788. NYCDOT owns, operates, and/or maintains 758 non-movable bridges, 25 movable bridges, and five tunnels. In 1999, a Memorandum of Understanding between NYCDOT and the New York City Department of Environmental Protection (NYCDEP) added 67 culverts (since reduced to 53) in Staten Island to the Division's Inventory. While the Division is responsible for the capital rehabilitation of these structures, maintenance and inspection responsibilities remain with NYCDEP.

The condition of New York City's 788 elevated bridge structures (including five tunnels), as measured by the City's general condition rating, are as follows: 1 structure was rated *Poor*, 460 structures were rated *Fair*, 212 structures were rated *Good*, 114 structures were classified *Very Good*, and one structure is not rated (closed).

The bridges in the Division's inventory connect a vast and diverse highway and street network throughout the City. The impressive East River crossings – the Brooklyn, Manhattan, Williamsburg, and Ed Koch Queensboro Bridges – are the most visible and famous structures, but are by no means representative of all the bridges in the City's inventory. Three hundred twenty-two (40.86%) of the Division's structures consist of one span (the portion of a bridge between two supports). One hundred four (13%) bridges carry pedestrian traffic. Of the 788 structures in the City's inventory, 102 (12.94%) cross waterways; of these, 20 connect the boroughs of the Bronx, Brooklyn, Manhattan and Queens. Three hundred twenty-seven (41.5%) structures cross the City's labyrinthine system of railroad and subway tracks. Two hundred forty-eight (31.47%) structures cross or connect arterial highways, such as the Henry Hudson Parkway, the Brooklyn-Queens Expressway, and the Belt Parkway, which facilitate traffic flow through and around the five boroughs of the City of New York.

Rating System

The Division of Bridges bases its general condition ratings directly on the numerical ratings assigned during bridge inspections. Federal law mandates that bridge structures be inspected at least once every two years. The New York State Department of Transportation hires engineering consultants to perform biennial inspections for all bridge structures except pedestrian bridge structures, and bridge structures less than 20 feet in length. Bridge structures not inspected by the State are inspected by the NYC Department of Transportation's Division of Bridges, with the exception of the East 64th Street Pedestrian Bridge over the FDR Drive, which was inspected by Rockefeller University.

The State inspected 674 (85.53%) bridge structures. The balance of 113 (14.34%) were inspected by the City, with the exception of the High Bridge over the Harlem River, which was inspected in 2002 by the Department of Parks and Recreation. Each structure in a biennial inspection is given an overall numerical condition rating from 1 (structural failure) to 7 (new condition), reflecting a weighting of key features of the structure (see Appendix C-4). In certain cases, where a bridge structure is closed to traffic, only a city condition rating is given.

City condition ratings coincide with the following ranges of State ratings:

State Numerical Rating	<u>Cit</u>	City Condition Rating		
1.000 – 3.000	=	POOR		
3.001 – 4.999	=	FAIR		
5.000 - 6.000	=	GOOD		
6.001 - 7.000	=	VERY GOOD		

This method is used as a guide in assessing what operational action is needed. The overall bridge rating, in and of itself, is not always indicative of whether a bridge needs major rehabilitation. Further inspection and analysis must be done to determine specific rehabilitation or corrective repair needs.

Summary of 2012 Structure Conditions

Rating	Number of Structures	Percent	Number of Spans		Deck Area Sq Ft	Percent
Poor	1	0.13%	75	1.71%	503,788	3.47%
Fair	460	58.45%	3,352	76.22%	10,214,063	70.28%
Good	212	26.94%	625	14.21%	2,330,855	16.04%
Very Good	114	14.49%	346	7.87%	1,484,823	10.22%
Not Rated	1		_			_
Total	788	100%	4,398	100%	14,533,529	100.78%

As of December 31, 2012, the condition of the City's bridges and tunnels indicated that 0.13% were rated as *Poor*, 58.45% were classified as *Fair*, 26.94% were awarded ratings of *Good*; and 14.49% as *Very Good*. Those structures given ratings of Poor and Fair encompassed 77.93% of bridge spans.

Rating	2009		201	0	201	1	201	2
Poor	4	0.51%	4	0.51%	3	0.38%	1	0.13%
Fair	456	58.09%	462	58.78%	459	58.40%	460	58.45%
Good	209	26.62%	207	26.34%	215	27.35%	212	26.94%
Very Good	116	14.78%	113	14.38%	109	13.87%	114	14.49%
Not Rated	1		1		1		1	
Total	786	100%	787	100%	787	100%	788	100%

During 2012, Manhattan had the highest percentage of bridge structures rated fair - 74.86% - as well as the lowest percentage of bridge structures rated good - 20.00%. Staten Island had the highest percentage of bridge structures classified as good - 35.82%, and the second highest percentage of bridge structures rated $very\ good - 19.40\%$, for a total of 55.22%. In 2012, Brooklyn had the highest percentage of bridge structures rated as $very\ good - 21.71\%$. The Bronx had the second highest percentage of bridge structures classified as fair - 62.50 Queens had the third highest percentage of bridge structures classified as $very\ good - 18.69\%$, and the second highest percentage of bridge structures rated as good - 29.29%.

Borough*	Poor	% of Boro	Fair	% of Boro	Good	% of Boro	Very	% of Boro	Total
							Good		
Bronx	0	0.00%	95	62.50%	42	27.63%	15	9.87%	152
Brooklyn	0	0.00%	88	50.29%	49	28.00%	38	21.71%	175
Manhattan	0	0.00%	131	74.86%	35	20.00%	9	5.14%	175
Queens	0	0.00%	103	52.02%	58	29.29%	37	18.69%	198
Staten Island	0	0.00%	30	44.78%	24	35.82%	13	19.40%	67
Total	0	0.00%	447	58.28%	208	27.12%	112	14.60%	767

^{*} Does not include borough-crossing bridges (see next table).

Summary of 2011 Structure Conditions

Seventy percent of the 20 bridge structures that service the five boroughs were rated in either *poor* or *fair* condition in 2012, and 30% were rated *good* or *very good*.

Boro- Crossing	Poor	% of Boro Crossing	Fair	% of Boro Crossing	Good	% of Boro Crossing	Very Good	% of Boro Crossing	Total
Bronx- Manhattan	0	0.00%	6	60.00%	2	20.00%	2	20.00%	10
Brooklyn- Manhattan	1	25.00%	3	75.00%	0	0.00%	0	0.00%	4
Queens- Manhattan	0	0.00%	2	66.67%	1	33.33%	0	0.00%	3
Brooklyn- Queens	0	0.00%	2	66.67%	1	33.33%	0	0.00%	3
Total	1	5.00%	13	65.00%	4	20.00%	2	10.00%	20

These figures evidence that the Division is continuing to make progress in improving the conditions of the City's bridges. The number of bridges rated *Poor* and *Fair* has decreased over the past few years while the number of bridges rated *Good* and *Very Good* has increased. However, it continues to remain essential that the overall bridge program include an expansion of the Preventive Maintenance and Corrective Repair programs which have traditionally slowed the deterioration of *good* and *very good* bridges.

During 2012, the total number of closed or partially closed bridge structures was four, with one closed and three partially-closed structures (see Appendix C-2).

Bridges with Posted Weight Restrictions NEW YORK CITY DEPARTMENT OF TRANSPORTATION

BIN	BOROUGH	LOCATION FEATURE-1	LOCATION FEATURE-2	LOCATION FEATURE-3	FISCAL YEAR*	POSTED TONS	REMARKS
2231450	BROOKLYN	BELT SHORE PARKWAY	GERRITSEN INLET		2012	5	CONDITION OF MILL BASIN BRIDGE
2231479	BROOKLYN	BELT SHORE PARKWAY	MILL BASIN CREEK		2012	5	BASIN BRIDGE
2231489	BROOKLYN	BELT SHORE PARKWAY	PAERDEGAT BASIN		2010	5	CONDITION OF MILL BASIN BRIDGE
2231499	BROOKLYN	BELT SHORE PARKWAY	ROCKAWAY PKWY.		2010	5	PASSENGER CARS ONLY
2231509	BROOKLYN	BELT SHORE PARKWAY	FRESH CREEK		2010	5	PASSENGER CARS ONL
	MANHATTAN	FDR DRIVE (NB & SB)	23 RD TO 63 RD STREET			4	PASSENGER CARS ONL
2240019	BROOKLYN & MANHATTAN	BROOKLYN BRIDGE	EAST RIVER	INCLUDING RAMPS	2009	3	NO COMMERCIAL TRAFFIC NO TRUCKS, NO BUSSES; 11'0" CLEARANCE
2240027	MANHATTAN & BROOKLYN	MANHATTAN BRIDGE	EAST RIVER				DESIGN LOAD FOR HS 20 TRUCK LOAD [36 TONS]; FROM 6 TO 10 AM, M-F, THE LEFT LANE OF THE NORTH UPPER ROADWAY IS HOV2+ BUSSES ONLY; MANHATTAN-BOUND TRUCKS MUST USE THE LOWER ROADWAY 5 AM TO 3 PM, M-F; BICYCLES ONLY ON NORTH BIKEWAY (BUT DURING CONSTRUCTION, BICYCLES MAY BE DETOURED TO THE SOUTH PATH AND PEDESTRIANS TO THE NORTH PATH). DURING CONSTRUCTION, ONLY TWO LANES OPEN AT LOWER ROADWAY.
2240039	BROOKLYN & MANHATTAN	WILLIAMSBURG BRIDGE	EAST RIVER				INNER ROADWAYS, NO TRUCKS: OUTER ROADWAYS DESIGN FOI HS20 [36 TONS] AND TRUCKS ARE PERMITTE ON OUTER ROADWAY
2240047	MANHATTAN & QUEENS	ED KOCH QUEENSBORO BRIDGE	EAST RIVER			7.5	LOWER OUTER ROADWAYS POSTED AS H-7.5 [7.5 TONS] (PASSENGER CARS ONLY FOR SOUTHBOUND; PEDESTRIANS AND BICYCLES ONLY FOR NORTHBOUND); LOWER INNER ROADWAYS ARE DESIGNED FOR HS20 TRUCK LOAD [36 TONS]; UPPER ROADWAYS DESIGNED FOR H-15 [15 TONS], NO TRUCKS, ONLY BUSES
2240260	BROOKLYN	CARROLL STREET BRIDGE	GOWANUS CANAL	CARROLL STREET	2013	10	
2240640	MANHATTAN & QUEENS	ROOSEVELT ISLAND	EAST CHANNEL OF THE EAST RIVER	JINLLI	2007	36	
2240660	QUEENS	RIKERS ISLAND BRIDGE	RIKERS ISLAND CHANNEL			36	
2246550	MANHATTAN	PARK AVENUE VIADUCT	42 ND STREET			15	NO COMMERCIAL TRAFFIC
2247590	QUEENS	FOREST PARK DRIVE	LIRR			8	
2247660	QUEENS	FOREST PARK DRIVE	ABANDONED LIRR			8	
	MANHATTAN	PARK AVENUE SB	EAST 45 TH STREET	†		15	NO COMMERCIAL

APPENDIX C-2 Bridges with Posted Weight Restrictions NEW YORK CITY DEPARTMENT OF TRANSPORTATION LOCATION LOCATION LOCATION FISCAL POSTED BIN BOROUGH REMARKS **FEATURE-1 FEATURE-2 FEATURE-3** YEAR* **TONS** 2245470 MANHATTAN PARK AVENUE NB NO COMMERCIAL EAST 45TH STREET 15 TRAFFIC 2269760 STATEN ISLAND NORTH RAMP SIRT SOUTH SHORE 2011 5 2244120 BROOKLYN HILL DRIVE PROSPECT PARK LAKE NO VEHICLES 226771A* MANHATTAN 79Th STREET RAMP to HHP 79TH STREET BOAT BASIN 2017 15 GARAGE 226771B** MANHATTAN 79[™] STREET RAMP TO 79TH STREET BOAT BASIN 2017 15 GARAGE **GARAGE** 226771C** MANHATTAN GARAGE RAMP TO 79TH 79TH STREET BOAT BASIN 2017 15 STREET GARAGE 226771D* MANHATTAN SB HHP RAMP TO 79TH 79TH STREET BOAT BASIN 2017 15 GARAGE STREET 2240507* QUEENS ROOSEVELT AVENUE BRIDGE VAN WYCK EXPRESSWAY 2014 25 2247120** QUEENS WOODSIDE AVENUE BRIDGE LIRR MAIN LINE 8

26 COUNT * - CONSTRUCTION CONTRACT LETTING

^{** -} THESE BRIDGES ARE RECOMMENDED FOR LOAD POSTING - POSTING SIGNS HAVE NOT YET BEEN INSTALLED.

Partially Closed Bridges NEW YORK CITY DEPARTMENT OF TRANSPORTATION

BIN	BOROUGH	LOCATION FEATURE-1	LOCATION FEATURE-2	LOCATION FEATURE-3	FISCAL YEAR*	REMARKS
2076640	BRONX	DEPOT PLACE	CONRAIL HUDSON DIVISION			ONE LANE CLOSED TO TRAFFIC (BUT OPEN TO PEDESTRIANS AND BICYCLES), AND ONE LANE OPEN
2244120	BROOKLYN	HILL DRIVE	PROSPECT PARK LAKE		CONSTR UCTION MOVED DUE TO LACK OF FUNDING	CLOSED TO VEHICULAR TRAFFIC, OPEN TO PEDESTRIAN TRAFFIC, ALONG THE CENTER OF THE ROADWAY.
2247080	QUEENS	149 TH STREET	LIRR			CLOSED TO VEHICULAR TRAFFIC, BUT OPEN TO PEDESTRIANS AND BICYCLES.

3 COUNT

* - CONSTRUCTION CONTRACT LETTING



Paerdegat Basin, Fresh Creek, Carroll Street Bridges, and Staten Island North Ramp Posted Weight Restriction Signs. (Credit: NYSDOT)

Closed Bridges NEW YORK CITY DEPARTMENT OF TRANSPORTATION

There is one closed bridge.

BIN	BOROUGH	LOCATION FEATURE-1	LOCATION FEATURE-2	LOCATION FEATURE-3	REMARKS
2248130	QUEENS	FLUSHING MEADOW PARK PEDESTRIAN	WILLOW LAKE	76 th ROAD	BRIDGE IS IN FLUSHING CORONA PARK, WHICH IS IN A REMOTE LOCATION AND WAS DAMAGED BY FIRE.

10/20/09, no change 2012

Bridge Identification Numbers

In 1972, the State of New York developed a computerized system to store inventory and inspection data on bridges that are greater than 20 feet in length. In New York City, structures that are 20 feet in length or less, "mini-bridges," are tracked independently by the City. Each structure is distinguished by a separate Bridge Identification Number (B.I.N.).

A six-digit B.I.N. identifies a single structure or group of connected or associated structures, while the seven-digit B.I.N. identifies each of those connected or associated bridge structures individually. Each level of a bi-level bridge, each separate bridge structure in a parallel configuration, and each ramp attached to a main bridge is considered an individual structure and assigned its own unique B.I.N. for example, the Brooklyn Bridge has one six-digit B.I.N., 2-24002, which incorporates the entire bridge. All ramps and secondary structures, as well as the main structure, are identified by their own seven-digit numbers, such as 2-24001-A, 2-24001-B, etc.

If the prefix (first number) of the B.I.N. is:

- **1**, the bridge is considered part of the **State** bridge system. This number might include City bridges if maintenance is shared between City and State.
- **2**, the bridge is considered part of the **City** bridge system. This number might include State bridges if maintenance is shared between City and State.
- **M**, **Q**, or **R**, the bridge is a "mini-bridge," and is considered part of the **City** bridge system. They are located in Manhattan, Queens, or Staten Island, respectively.

If the suffix (last character) of the B.I.N. is:

- **1 through 6**, the bridge is in parallel configuration. The left-most bridge in the Direction of Orientation has a last character of 1. The next left-most bridge has a last character of 2, and so on.
- **7 or 8**, the bridge is in a bi-level configuration. Seven indicates the lower level and eight indicates the upper level.
- **0 or 9**, the bridge is not in parallel or bi-level configuration.

A letter of the alphabet, the structure is a ramp physically attached to the main bridge. If more than one ramp is attached to the same span of the main bridge, the characters are assigned alphabetically starting with the left-most ramp in the Direction of Orientation. Other ramps attached to the bridge are assigned alphabetical characters in a clockwise direction.

New York State Biennial Bridge Inspection and Condition Rating System

During the regularly scheduled State biennial bridge inspections, each bridge element is investigated and its structural condition is numerically rated according to the system indicated below:

Numerical Rating	<u>Description</u>						
1	Potentially Hazardous						
2	Used to shade between a rating of 1 and 3						
3	Serious deterioration, or not functioning as originally designed						
4	Used to shade between a rating of 3 and 5						
5	the state of the s						
6	Used to shade between a rating of 5 and 7						
7	New condition						
8	Not Applicable						
9	Unknown (due to inaccessibility, e.g. footings or piles)						

Based on these individual ratings for each element, a weighted average rating is computed for the entire structure.

These ratings (both individual and weighted average) are recorded on New York State Department of Transportation Inspection report Forms. Together with photographs and explanatory descriptions, the ratings provide the Division with information on the existing condition of each bridge.

A description of the condition ratings 1 through 7, with programmed responses to certain critical ratings, demonstrates the importance of these inspections:

A rating of 1 describes an extremely serious condition which is deemed potentially hazardous. This rating, which is phoned in by the inspection leader, necessitates that the Division respond immediately by 1) closing the structure either completely or partially until emergency repairs are made, or 2) limiting the vehicle weight permitted on the structure and then performing repairs on a timely basis.

A rating of 3 describes a bridge element that is not functioning as designed. Although not considered hazardous, such members require extensive rehabilitation. A determination is then made to repair such rated members either by the Division's in-house repair personnel, the critical maintenance contractor (When and Where contracts), or a major capital contract. Until such repairs are made, this condition is periodically monitored.

A rating of 5 indicates the member is functioning as designed but exhibits minor deterioration. These members are prioritized and scheduled for repair by the Bridge Maintenance, Inspection and Operations Bureau.

A rating of 7 indicates a new condition requiring no remediation.

The <u>ratings of 2, 4, and 6</u> are utilized to shade between each of the above ratings.

Standard Abbreviations

General Abbreviations:

APP: NB: Northbound Approach AVE: Avenue PED BR: Pedestrian Bridge BLVD: Boulevard PKWY: Parkway Bridge Place PL: BR: Central Park CPK: Road RD: DR: Drive SB: Southbound Street Eastbound ST: EB: EXPWY: TPKE: Turnpike Expressway Interstate Westbound l: WB:

LN: Lane

X: No State accepted mileage markers exist on this route



Assistant Civil Engineer Andrew Hoang Inspecting the Brooklyn Bridge. (Credit: Clara Medina)

Routes:

<u>No.</u>	Borough	<u>Name</u>
25	Queens	Union Turnpike
25A	Queens	Northern Boulevard
27	Brooklyn	Southern Parkway
I-87	Manhattan, Bronx	Major Deegan Expressway
I-95	Manhattan, Bronx	Cross Bronx Expressway
I-278	Brooklyn, Queens	Brooklyn-Queens Expressway
I-278	Bronx	Bruckner Expressway
I-278	Staten Island	Staten Island Expressway
I-295	Queens	Clearview Expressway
I-295	Bronx	Throgs Neck Expressway
I-440	Staten Island	Richmond Parkway
I-478	Brooklyn	Brooklyn Battery Tunnel
I-495	Queens	Long Island Expressway
I-678	Queens	Whitestone Expressway, Van Wyck
I-878	Queens	Nassau Expressway
I-895	Bronx	Sheridan Expressway

Standard Abbreviations

Highways:

BCIP: Belt System - Cross Island
BE: Bruckner Expressway

BLP: Belt System - Laurelton Parkway

BPP: Bronx Pelham Parkway

BQE: Brooklyn-Queens Expressway
BRPC: Bronx River Parkway (in NYC)
BSHP: Belt System - Shore Parkway
BSOP: Belt System - Southern Parkway
CBE: Cross Bronx Expressway
FDRD: Franklin D. Roosevelt Drive

FDRD: Franklin D. Roosevelt Drive
GCP: Grand Central Parkway
GW: George Washington Bridge
HHP: Henry Hudson Parkway
HRD: Harlem River Drive

HRPC: Hutchinson River Parkway (in NYC)
IP: Jackie Robinson (Interborough) Parkway

LIE: Long Island Expressway

MAP: Marine Parkway

MDE: Major Deegan Expressway

MP: Mosholu Parkway
OCP: Ocean Parkway
PR: Prospect Expressway
RP: Richmond Parkway
VWE: Van Wyck Expressway
WLMBRG: Williamsburg Bridge
WSE: West Shore Expressway

Information Available On Division Of Bridges Inventory Of Structures

- **Bridge Identification Number (B.I.N.)**
- Borough:

B - The Bronx Q - Queens R - Staten Island

K - Brooklyn M - Manhattan

- **Feature Carried**: Name of passageway carrying vehicle or pedestrian traffic.
- Feature Crossed: Description of area crossed.
 - Railroad Crossed (if applicable):

A - Amtrak N - New York & Atlantic C - CSX O - B & O Railroad

L - Long Island Railroad M - Metro-North (MTA) S - Staten Island Rapid Transit Operating Authority

T - NYC Transit Authority

Other Owner:

Department of Education ED

Ferries (Department of Transportation) F Ρ Department of Parks and Recreation

Bridge Type:

Α	Arterial	PED	Pedestrian
Е	East River	R	Ramp
M	Movable	T	Tunnel
0	Off-System	W	Waterway

Rating Source:

(C) City Inspection (P) Parks Inspection

State Inspection Rockefeller University Inspection (S) (U)

Rating: Numerical and/or verbal rating

1.000 - 3.000: **POOR** 3.001 - 4.999: (F) FAIR 5.000 - 6.000: GOOD (G)

6.001 - 7.000: **VERY GOOD** (V)

- **Deck Area:** Square feet
- CD:

Community Board District

APPENDIX C-7

2012 Bridge Inventory Adjustments

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	EXPLANATION						
- Bridge added to the City's Inventory:										
2269200	М	RIVERSIDE DRIVE SOUTH	AMTRAK	BUILT BY PRIVATE DEVELOPER						

REV. DATE 2/28/13

INVENTORY SORTED BY B.I.N.

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CDS
1065210	Q	WHITESTONE EXP NB	BCIP (2065210)		A		1	s	7/24/2012	4.603	F	2,500	\$10,000,000	407	<u></u>	<u> </u>
1066510	В	BRUCKNER EXPWY SVC RD	WESTCHESTER CREEK		WMA		17	s	10/8/2012	3.516	F	39,400	\$157,600,000	209	<u></u>	<u></u>
1067150	В	NEREID AVE (E. 240TH ST)	BRONX RIVER PKWY	м	0		10	s	10/6/2011	4.474	F	57,750	\$231,000,000	212	$oxed{oxed}$	
1240090	ВМ	MACOMBS DAM BRIDGE	HARLEM RIVER	м	WMO		52	s	11/30/2011	3.930	F	220,000	\$880,000,000	110	204	
1247010	Q	91 PLACE (2247010)	LIRR PT WASH BR	L	0		1	s	11/3/2011	6.567	VG	2,760	\$11,040,000	404		
1247200	Q	67 AVE PED BR (2247200)	LIRR MAIN LINE	L	O-PED		3	С	4/3/2012	4.219	F	1,300	\$5,200,000	406		
1247280	Q	51 AVE PED BR (2247280)	LIRR MAIN LINE	L	O-PED		5	С	3/8/2012	3.018	F	700	\$2,800,000	402		
1247560	Q	METROPOLITAN AVE	LIRR -NY&ATL	LN	0		2	s	10/3/2012	3.603	F	20,900	\$83,600,000	405		
2055801	Q	NORTHERN BLVD WB	FLUSHING RIVER		wo		40	s	11/21/2012	4.338	F	71,900	\$287,600,000	407		
2055802	Q	NORTHERN BLVD EB	FLUSHING RIVER		wo		40	s	11/21/2012	4.324	F	78,894	\$315,576,000	407		
205580A	Q	N.BLVD WB TO 678I SB	VACANT LAND		AR		16	s	6/19/2012	5.619	G	8,600	\$34,400,000	407		
2065629	В	BRONX RIVER PKWY	BOSTON RD BX ZOO		A		1	s	8/22/2011	5.276	G	6,300	\$25,200,000	227		
2065930	Ø	HAMILTON PLACE	495I (L.I.E.)		Α		2	s	3/5/2012	5.611	G	11,111	\$44,444,000	405		
2065940	O	GRAND AVE	495I (L.I.E.)		Α		2	s	12/6/2012	4.861	F	12,850	\$51,400,000	405		
2065950	Q	69TH STREET	495I (L.I.E.)		Α		2	s	7/27/2011	5.250	G	10,336	\$41,344,000	405		
2066002	Q	4951 (2066000)	WOODHAVEN BLVD		А		2	s	6/14/2011	5.592	G	25,200	\$100,800,000	406	404	
2066100	к	5TH AVE	27 X PROSPECT EXPWY		Α		1	s	5/18/2012	5.063	G	8,800	\$35,200,000	307		
2066671	В	BRUCKNER EXPWY SB	BRONX RIVER		WMA		3	s	10/22/2011	5.278	G	12,400	\$49,600,000	202	209	
2066672	В	BRUCKNER EXPWY NB	BRONX RIVER		WMA		8	s	10/22/2011	4.269	F	22,300	\$89,200,000	202	209	
2066720	В	E 174TH ST	SHERIDAN EXPWY/AMTRAK	Α	Α		13	s	8/20/2012	4.153	F	35,573	\$142,292,000	209	203	
206672A	В	174TH ST-NTH PED BRDG	895I - SHERIDAN EXPWY		A-PED		4	С	6/6/2012	4.667	F	1,800	\$7,200,000	209		
206672B	В	174TH ST-STH PED BRDG	895I - SHERIDAN EXPWY		A-PED		4	С	6/6/2012	4.750	F	1,900	\$7,600,000	209		
2066919	ВМ	WASHINGTON BRIDGE	HARLEM RIVER	м	wo		9	s	11/29/2012	4.642	F	128,339	\$513,356,000	112	205	204
2075351	В	BRUCKNER EXPWY SB	AMTRAK - CSX	AC	Α		1	s	11/19/2012	6.032	VG	11,600	\$46,400,000	202		
2075352	В	BRUCKNER EXPWY NB	AMTRAK - CSX	AC	Α		1	s	11/19/2012	6.444	VG	10,900	\$43,600,000	202		
2075820	В	E TREMONT AVE	HUTCHINSON RVR PKWY		A		2	s	11/21/2011	4.444	F	10,200	\$40,800,000	210		
2075837	В	WESTCHESTER AVE	HUTCHINSON RVR PKWY		A		2	s	2/1/2012	4.083	F	15,858	\$63,432,000	210	211	
2075849	В	BRONX PELHAM PKWY	HUTCHINSON RVR PKWY		А		2	s	6/6/2012	3.763	F	17,600	\$70,400,000	210	211	
2075859	В	HUTCHINSON RVR PKWY	HUTCHINSON RIVER		WMA		7	s	10/16/2012	4.703	F	60,500	\$242,000,000	210	228	
2076109	В	BE NB SERVICE RD	HUTCHINSON RVR PKWY		Α		2	s	9/1/2011	4.632	F	7,800	\$31,200,000	210		
2076129		BE SB SERVICE RD	HUTCHINSON RVR PKWY		А		2	s	1/19/2012	5.079	G	7,100	\$28,400,000			
2076640	В	DEPOT PLACE	METRO NORTH RR HUD	СМ	0		11	s	6/8/2012	4.944	F	26,566	\$106,264,000			
2076929	В	BRUCKNER EXPWY	CSX - HUNTS POINT	С	A		1	s	9/15/2011	4.700	F	3.800	\$15,200,000			
2229289	м	HHP VIADUCT	AMTRAK - W72 ST - W79 ST	A	A		145	s	10/22/2012	3.597	F	236,100	\$944,400,000			
222928C		PED BR AT 73RD ST	HHP - AMTRAK	A	A-PED	Р	5	С	2/14/2012	3.359	F	3.480	\$13,920,000			
2229290		W 79 ST	AMTRAK	A	A	•	1	s	6/7/2012	4.492	F	4,500	\$18,000,000			
2229309	м	ннр	RIVERSIDE PARK		Α		1	s	1/5/2012	5.133	G	2,172	\$8,688,000			
2229311	м	HHP SB	RAMP TO 96 ST		Α		1	s	2/1/2012	4.455	F	2,000		107		
2229311	M	HHP NB	RAMP TO 96 ST		Α Α		1	s	2/1/2012	4.182	F	2,000		107		
2229312		HHP SB	RAMP FROM 96 ST		Α Α		1	s	2/6/2012	5.133	G	2,000	\$8,000,000		\vdash	

INVENTORY SORTED BY B.I.N.

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2229322	М	HHP NB	RAMP FROM 96 ST		A		1	s	2/6/2012	5.300	G	2,000	\$8,000,000	107		
2229349	М	ннр	W 158 ST	Α	Α		44	s	12/17/2012	4.155	F	140,000	\$560,000,000	109	112	
222934A	М	RAMP TO N.B. HHP	AMTRAK WEST SIDE	Α	AR		26	s	8/13/2012	3.875	F	10,800	\$43,200,000	112		
2229400	М	W 181ST ST PED BRDG	ннр п.в.		A-PED	Р	7	С	2/15/2012	4.477	F	1,500	\$6,000,000	112		
2229440	В	ннР	KAPPOCK ST		A		1	s	7/18/2011	4.931	F	3,900	\$15,600,000	208		
2229450	В	232ND ST	ннр		Α		2	s	7/19/2011	5.026	G	4,900	\$19,600,000	208		
2229460	В	236TH ST PED BRDG	ннр		A-PED		3	С	6/12/2012	4.672	F	2,500	\$10,000,000	208		
2229470	В	239TH ST	ннр		Α		2	s	4/29/2011	5.053	G	6,100	\$24,400,000	208		
2229480	В	MANHATTAN COLL PKWY	ннр		Α		3	s	4/29/2011	5.053	G	6,200	\$24,800,000	208		
2229490	В	246TH ST	ннр		Α		2	s	4/29/2011	4.868	F	5,600	\$22,400,000	208		
2229500	В	252ND ST	ннр		Α		2	s	1/20/2012	5.372	G	4,500	\$18,000,000	208		
2229510	В	RIVERDALE AVE	ннр		Α		2	s	7/20/2011	5.079	G	5,200	\$20,800,000	208		
2229520	В	FIELDSTON ROAD	ннр		Α		1	s	7/21/2011	5.033	G	6,600	\$26,400,000	208		
2229530	В	ННР	BROADWAY		A		1	s	7/22/2011	4.574	F	7,500	\$30,000,000	208		
2229540	В	VAN CRTLDT PARK	ННР		A-PED	Р	2	С	8/8/2012	4.759	F	3,900	\$15,600,000			
2229550	В	VAN CRTLDT EQUES	ННР		A-PED	Р	2	С	8/8/2012	4.556	F	2,100	\$8,400,000	226		
2229560	В	BRONX PELHAM PKWY	AMTRAK - CSX	AC	А		3	s	5/25/2012	4.542	F	24,591	\$98,364,000	211		
2229579	В	BOSTON POST ROAD	HUTCHINSON RIVER		wo		14	s	5/23/2012	4.194	F	95,700	\$382,800,000	212		
2230000	к	HIGHLAND BLVD E.B.	JACKIE ROBINSON PKWY		А		1	s	3/14/2012	4.724	F	4,900	\$19,600,000	305		
2230010	к	HIGHLAND BLVD W.B.	JACKIE ROBINSON PKWY		А		1	s	3/14/2012	4.767	F	3,500	\$14,000,000			
2230020	к	HIGHLAND BLVD W.B.	JACKIE ROBINSON PKWY		А		2	s	3/14/2012	4.974	F	4,700	\$18,800,000			
2230040	Q	CYPRESS HILLS ST	JACKIE ROBINSON PKWY		А		1	s	4/5/2012	4,722	F	5.000	\$20,000,000			
2230099	Q	JACKIE ROBINSON PKWY	CYPRESS HILLS CEMETRY		Α		1	s	1/5/2012	5.444	G	4.200	\$16,800,000	405		
2230120	Q	MYRTLE AVE	JACKIE ROBINSON PKWY		Α		1	s	4/26/2012	5.250	G	6.400	\$25,600,000		482	
2230179	Q	JACKIE ROBINSON PKWY	METROPOLITAN AVE		A		2	s	5/4/2012	5.286	G	8,673		482		
2230180	Q	UNION TPKE	JACKIE ROBINSON PKWY		А		1	s	2/1/2012	5.672	G	5,359		482		
2230190		MARKWOOD ROAD	JACKIE ROBINSON PKWY		Α		1	s	2/1/2012	5.167	G	4,400	\$17,600,000		406	
2230209		QUEENS BLVD	JACKIE ROBINSON PKWY	т	Α		5	s	7/9/2012	4.968	F	37,700		409		
2230220	к	HIGHLAND BLVD NB	VERMONT AVE		A		1	s	5/18/2011	5.857	G	3.995	\$15,980,000			
2230250		MOSHOLU PARKWAY	BRONX RIVER		WA		5	s	1/12/2012	4.211	F	16,300	\$65,200,000			
2230260	_	MOSHOLU PARKWAY	METRO NORTH	м	Α.		1	s	4/21/2012	5.516	G	8.880	\$35,520,000		207	
2230270		MOSHOLU PARKWAY	WEBSTER AVE		Α		1	s	5/13/2011	5.328	G	8,480	\$33,920,000			
2230287	В	JEROME AVE	MOSHOLU PARKWAY	т	Α		3	s	4/22/2011	4.816	F	11,800	\$47,200,000			
2230290		MOSHOLU PARKWAY	EQUESTRIAN PATH	·	Α .		1	s	1/20/2012	4.310	F	4,300	\$17,200,000			
2230290	В	MOSHOLU PARKWAY	CONRAIL (ABANDONED)	С	Α Α		1	s	8/31/2012	4.310	F	4,600	\$18,400,000			
2230300	_	MOSHOLU PARKWAY	SB RAMP TO HHP		Α Α		2	s	9/26/2011	4.271	F	7,400	\$18,400,000 2			
		SUMMIT ST PED BRDG			A-PED		2	s	3/19/2012		F					
2230350			278I (B.Q.E.)							4.614		1,400		306		П
2230360		UNION ST	278I (B.Q.E.)		Α .		2	s	3/19/2012	4.375	F	5,000	\$20,000,000			
2230370		SACKETT ST KANE ST	278I (B.Q.E.) 278I (B.Q.E.)		Α Α		2	s	3/14/2012	4.500	F	5,000	\$20,000,000 3 \$20,000,000 3			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD CD2	CD3
2230390	к	CONGRESS ST	278I (B.Q.E.)		A		2	s	3/26/2012	6.029	VG	5,000	\$20,000,000	306	
2230410	к	278I EB (B.Q.E.)	WASHINGTON ST		A		1	s	6/25/2012	4.500	F	2,500	\$10,000,000	302	
2230420	к	278I WB (B.Q.E.)	WASHINGTON ST		A		1	s	6/25/2012	5.047	G	2,500	\$10,000,000	302	
2230430	к	278I (B.Q.E.) RAMP TO BKLN BRDG	PROSPECT ST		A		1	s	1/5/2012	5.000	G	1,100	\$4,400,000	302	
2230440	к	278I WB (B.Q.E.)	ADAMS ST		Α		1	s	1/10/2012	5.167	G	2,700	\$10,800,000	302	
2230450	к	278I EB (B.Q.E.)	ADAMS ST		A		1	s	1/10/2012	4.933	F	2,500	\$10,000,000	302	
2230460	к	278I (B.Q.E.)	PEARL ST		A		1	s	2/2/2012	5.467	G	4,500	\$18,000,000	302	
2230470	к	278I (B.Q.E.)	JAY ST		Α		1	s	2/3/2012	4.833	F	5,100	\$20,400,000	302	
2230480	к	278I (B.Q.E.)	PROSPECT ST		A		1	s	2/13/2012	5.056	G	8,400	\$33,600,000	302	
2230490	к	278I (B.Q.E.)	SANDS ST		A		1	s	2/22/2012	5.093	G	12,600	\$50,400,000	302	
2230500	к	278I (B.Q.E.)	RAMP TO BQE EB		A		1	s	2/21/2012	4.967	F	1,300	\$5,200,000	302	
2230510	к	278I (B.Q.E.)	NASSAU ST		A		6	s	6/11/2012	5.169	G	51,200	\$204,800,000	302	
2230520	Q	65TH PLACE	278I (B.Q.E.)		A		2	s	2/7/2012	5.972	G	11,668	\$46,672,000	402	
2230530	Q	QUEENS BLVD	278I (B.Q.E.)		A		2	s	11/20/2012	6.417	VG	25,543	\$102,172,000	402	
2230540	Q	WOODSIDE AVE	278I (B.Q.E.)		A		1	s	2/3/2012	5.672	G	7,529	\$30,116,000	402	
2230550	Q	69TH ST	278I (B.Q.E.)		A		2	s	1/19/2012	5.263	G	12,600	\$50,400,000	402	
2230560	Q	70TH ST	278I (B.Q.E.)		Α		2	s	11/20/2012	6.722	VG	8,580	\$34,320,000	402	
2230570	Q	41ST AVE	278I (B.Q.E.)		Α		2	s	11/20/2012	6.735	VG	8,580	\$34,320,000	402	
2230587	Q	ROOSEVELT AVE	278I (B.Q.E.)		A		2	s	10/28/2011	5.889	G	11,022	\$44,088,000	402	
2230590	Q	BROADWAY	278I (B.Q.E.)		0		2	s	12/6/2012	5.789	G	16,000	\$64,000,000	402	
2230600	Q	STEINWAY ST	278I WB (BQE)		Α		1	s	9/12/2012	6.349	VG	5,229	\$20,916,000	401	
2230610	Q	STEINWAY ST	278I EB (BQE)		Α		1	s	9/13/2012	6.349	VG	5,146	\$20,584,000	401	
2230620	Q	37TH ST	278I (B.Q.E.)		Α		2	s	3/22/2012	4.681	F	5,300	\$21,200,000	401	
2230630	Q	35TH ST	278I (B.Q.E.)		Α		4	s	3/22/2012	4.667	F	9,000	\$36,000,000	401	
2230640	Q	32ND ST	278I (B.Q.E.)		Α		2	S	6/24/2011	4.875	F	8,100	\$32,400,000	401	
2230657	Q	31ST ST	278I (B.Q.E.)		Α		2	s	12/5/2012	4.569	F	9,500	\$38,000,000	401	
2230669	Q	278I (B.Q.E.)	35TH AVE		Α		1	s	8/3/2011	6.390	VG	13,135	\$52,540,000	402	
2230679	Q	278I (B.Q.E.)	34TH AVE		Α		1	s	6/7/2011	6.203	VG	7,793	\$31,172,000	402	
2230680	Q	278I (B.Q.E.)	NORTHERN BLVD		Α		1	s	12/4/2012	6.016	VG	27,011	\$108,044,000	402 401	
2230690	Q	278I NB (BQE WEST LEG)	32ND AVE		Α		1	s	6/22/2012	6.407	VG	4,080	\$16,320,000	401	
2230700	Q	278I NB (BQE EAST LEG)	32ND AVE (TO BQE WEST LEG)		A		8	s	12/4/2012	6.465	VG	31,600	\$126,400,000	401 403	
2230710	Q	278I SB (BQE WEST LEG)	32ND AVE		Α		1	s	8/2/2011	6.559	VG	5,240	\$20,960,000	401	
2230720	Q	278I SB (BQE EAST LEG)	278I NB (BQE WEST LEG)		A		3	s	7/22/2011	6.182	VG	20,896	\$83,584,000	401	
2230730	Q	31ST AVE	278I NB (BQE WEST LEG)		А		1	s	7/15/2011	6.217	VG	5,875	\$23,500,000	401	
2230740	Q	278I SB (BQE WEST LEG)	31ST AVE		А		1	s	8/1/2011	6.217	VG	5,246	\$20,984,000	401	
2230750	Q	278I SB (BQE EAST LEG)	31ST AVE		А		1	s	8/1/2011	6.508	VG	4,221	\$16,884,000	401 403	
2230760	Q	278I NB (BQE EAST LEG)	31ST AVE		Α		1	s	8/30/2012	6.610	VG	4,161	\$16,644,000	401	
2230770	Q	278I (BQE WEST LEG)	30TH AVE		Α		1	s	6/15/2011	6.322	VG	6,199	\$24,796,000	401	
2230780	Q	278I (BQE EAST LEG)	30TH AVE		Α		1	s	6/14/2011	6.206	VG	7,071	\$28,284,000	403 401	٦
2230790	Q	BULOVA AVE	278I (BQE WEST LEG)		A		2	s	4/16/2012	5.278	G	3,300	\$13,200,000		\exists

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD:	2 CD3
2230800	Q	49TH ST	278I (BQE WEST LEG)		Α		2	S 4/16/2012	5.278	G	4,900	\$19,600,000	401	ı	
2230810	Q	ASTORIA BLVD EB	278I (BQE WEST LEG)		Α		4	S 3/28/2012	4.044	F	8,200	\$32,800,000	401	(
2230820	Q	47TH ST	GCP		Α		2	S 5/17/2012	4.889	F	5,700	\$22,800,000	401	(
2230830	Q	278I NB (BQE WEST LEG)	GCP		Α		2	S 5/17/2012	4.583	F	7,600	\$30,400,000	401	i	
2230840	Q	44TH ST	GCP		Α		2	S 5/17/2012	4.764	F	5,000	\$20,000,000	401	i	
2230857	к	278I WB (B.Q.E.)	JORALEMON ST		Α		1	S 3/5/2012	5.000	G	2,100	\$8,400,000	302	2	
2230858	к	278I EB (B.Q.E.)	JORALEMON ST / BQE WB		Α		1	S 10/9/2011	4.619	F	5,900	\$23,600,000	302	2	
2230869	Q	QUEENS BLVD	ACCESS RD BQE S.B.		Α		1	S 10/17/2012	5.909	G	7,900	\$31,600,000	402	:	
2230870	к	COLUMBIA HEIGHTS	278I (B.Q.E.)		Α		1	S 7/9/2012	4.383	F	16,500	\$66,000,000	302	2	
2230887	к	278I W.B. (B.Q.E.)	CADMAN PLAZA		Α		2	S 6/29/2012	4.569	F	4,500	\$18,000,000	302		
2230888	к	278I E.B. (B.Q.E.)	CADMAN PLAZA / 278I WB		Α		2	S 6/29/2012	5.263	G	4,500	\$18,000,000	302	2	
2230890	Q	49TH ST	GCP		Α		2	S 5/17/2012	4.444	F	6,350	\$25,400,000	401	1	
2231249	к	BSHP	BAY RIDGE AVE		Α		1	S 3/26/2012	3.625	F	4,900	\$19,600,000	310	,	
2231250	к	81ST ST PED BRDG	BSHP		A-PED	Р	5	C 3/23/2012	4.761	F	3,100	\$12,400,000	310)	
2231260	к	92ND ST PED BRDG	BSHP		A-PED	Р	6	C 9/18/2012	3.475	F	3,000	\$12,000,000	310	,	
2231270	к	4TH AVE	BSHP		Α		2	S 3/16/2012	4.579	F	6,100	\$24,400,000	310	,	
2231290	к	BAY 8TH ST	BSHP		Α		1	S 5/14/2011	5.952	G	4,950	\$19,800,000	311	ı	
2231300	к	17TH AVE PED BRDG	BSHP		A-PED	Р	1	C 8/22/2012	3.614	F	2,100	\$8,400,000	311	ı	
2231319	к	BSHP	BAY PKWY		Α		1	S 6/2/2012	4.267	F	7,200	\$28,800,000	311	ı	
2231329	к	BSHP	26TH AVE		Α		1	S 4/20/2012	4.600	F	6,700	\$26,800,000	313	3	
2231330	к	27TH AVE PED BRDG	BSHP		A-PED	Р	1	C 1/20/2012	4.106	F	2,100	\$8,400,000	313	3	
2231340	к	CROPSEY AVE	BSHP		Α		2	S 6/13/2012	4.722	F	13,100	\$52,400,000	313	3	
2231360	к	BSHP	OCEAN PKWY		А		3	S 6/25/2012	6.299	VG	29,637	\$118,548,000	313	3	
2231370	к	GUIDER AV RAMP TO BSHP	BSHP		А		4	S 9/14/2012	6.944	VG	10,548	\$42,192,000	313	3	
2231380	к	CONEY ISLAND AVE	BSHP		А		4	S 9/20/2011	5.986	G	19,866	\$79,464,000			
2231390	к	E 12TH ST	BSHP		А		4	S 6/13/2012	4.542	F	17,200	\$68,800,000	315	;	
2231409	к	BSHP	SHEEPSHEAD BAY ROAD		Α		1	S 4/12/2012	4.672	F	6,500	\$26,000,000	315	;	
2231419		BSHP	OCEAN AVE		А		3	S 4/12/2012	4.500	F	14,000	\$56,000,000			
2231429	к	BSHP	BEDFORD AVE		Α		3	S 4/20/2012	4.042	F	12,000	\$48,000,000	315	5	
2231439	к	BSHP	NOSTRAND AVE		Α		3	S 4/20/2012	3.986	F	13,000	\$52,000,000	315	;	
2231449	к	KNAPP ST	BSHP		Α		1	S 4/20/2012	4.406	F	9,500	\$38,000,000	315	5	
2231450	к	BSHP	GERRITSEN INLET		WA		11	S 7/24/2012	3.463	F	52,000	\$208,000,000	356	3	
2231460	к	FLATBUSH AVE	BSHP		А		2	S 9/22/2011	6.250	VG	14,058	\$56,232,000	356	3	
2231479	к	BSHP	MILL BASIN		WMA		14	S 10/10/2012	3.179	F	73,500	\$294,000,000	318	3	
2231489		BSHP	PAERDEGAT BASIN		WA		15	S 11/28/2012	3.340	F	58,300	\$233,200,000			
2231499	к	BSHP	ROCKAWAY PKWY		A		4	S 10/27/2012	6.644	VG	11,500	\$46,000,000			
2231509		BSHP	FRESH CREEK		WA		5	S 10/21/2012	6.915	VG	23,000	\$92,000,000			\top
2231519	к	PENNSYLVANIA AVE	BSHP		A		2	S 5/20/2011	5.694	G	6,640	\$26,560,000			
2231559		CROSS BAY BLVD	BSHP		A		4	S 6/1/2012	5.139	G	23,205	\$92,820,000			
2231560		S CONDUIT BLVD	BSOP		A		2	S 7/12/2012	5.296	G	15,776	\$63,104,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST CD CD2 CD3
2231570	Q	COHANCY ST	BSOP		A		2	s	4/24/2012	4.395	F	6,400	\$25,600,000 410
2231590	Q	130TH ST	BSOP		Α		2	s	1/30/2012	4.659	F	6,800	\$27,200,000 410
2231610	Q	GUY R. BREWER BLVD	BSOP		Α		4	s	6/2/2011	6.222	VG	12,342	\$49,368,000 413
2231620	Q	FARMERS BLVD	BSOP		Α		2	s	5/10/2012	4.477	F	6,400	\$25,600,000 413
2231630	Q	SPRINGFIELD BLVD	BSOP		Α		2	s	5/10/2012	4.591	F	8,500	\$34,000,000 413
2231640	Q	225TH ST	BSOP		A		2	s	5/10/2012	4.614	F	7,000	\$28,000,000 413
2231650	Q	SUNRISE HWY W.B.	BLP E.B.		A		1	s	4/2/2012	4.393	F	4,100	\$16,400,000 413
2231660	Q	SUNRISE HWY W.B.	BLP W.B.		A		2	s	3/6/2012	4.565	F	5,350	\$21,400,000 413
2231670	Q	N CONDUIT AVE WB	BLP E.B.		A		1	s	1/25/2012	4.917	F	4,000	\$16,000,000 413
2231680	Q	N CONDUIT AVE WB	BLP W.B.		Α		2	s	1/25/2012	4.932	F	6,500	\$26,000,000 413
2231690	Q	FRANCIS LEWIS BLVD	BLP E.B.		Α		1	S	3/29/2012	5.167	G	6,000	\$24,000,000 413
2231700	Q	FRANCIS LEWIS BLVD	BLP W.B.		Α		1	S	3/29/2012	4.700	F	6,000	\$24,000,000 413
2231710	Q	MERRICK BLVD	BLP N.B.		А		1	s	2/22/2012	4.467	F	6,000	\$24,000,000 413
2231720	Q	MERRICK BLVD	BLP S.B.		Α		1	s	2/15/2012	4.200	F	6,000	\$24,000,000 413
2231730	Q	130TH AVE	BLP N.B.		Α		1	s	1/20/2012	5.267	G	4,400	\$17,600,000 413
2231740	Q	130TH AVE	BLP S.B.		Α		1	s	1/20/2012	4.833	F	4,400	\$17,600,000 413
2231750	Q	LINDEN BLVD	BCIP		Α		2	s	3/2/2012	4.250	F	6,700	\$26,800,000 413
2231760	Q	BCIP	DUTCH BROADWAY-115 AVE		Α		1	s	3/6/2012	4.047	F	7,300	\$29,200,000 413
2231770	Q	BELMONT PARK RAMP	BCIP		Α	Р	1	s	2/3/2012	4.688	F	3,200	\$12,800,000 413
2231780	Q	HEMPSTEAD AVE	BCIP		Α		2	s	2/3/2012	4.065	F	14,200	\$56,800,000 413
2231790	Q	BELMONT PARK RAMP	BCIP		Α	Р	1	s	1/13/2012	4.563	F	3,400	\$13,600,000 413
2231800	Q	SUPERIOR ROAD	BCIP		Α		2	s	4/12/2012	4.659	F	7,000	\$28,000,000 413
2231819	Q	JAMAICA AVE	BCIP		Α		2	s	3/23/2012	4.773	F	11,500	\$46,000,000 413
2231829	Q	BRADDOCK AVE	BCIP		A		2	s	3/23/2012	4.955	F	10,600	\$42,400,000 413
2231840	Q	HILLSIDE AVE	BCIP		Α		2	s	3/30/2012	4.026	F	9,672	\$38,688,000 413
2231850	Q	UNION TPKE	BCIP		Α		2	s	3/28/2012	4.409	F	13,600	\$54,400,000 413
2231860	Q	W ALLEY ROAD	BCIP		А		2	s	7/20/2011	5.474	G	7,200	\$28,800,000 411
2231870	Q	NORTHERN BLVD	BCIP		А		2	s	8/28/2012	5.875	G	9,400	\$37,600,000 411
2231880	Q	CROCHERON PK PED	BCIP		A-PED	Р	9	С	6/23/2011	4.188	F	2,300	\$9,200,000 411
2231890	Q	28TH AVE PED BRDG	BCIP		A-PED	Р	24	С	6/11/2012	4.517	F	7,600	\$30,400,000 411
2231900	Q	BCIP	TOTTEN AVE		А		1	s	6/1/2012	4.609	F	4,900	\$19,600,000 407
2231910		UTOPIA PKWY	BCIP		A		2	s	3/15/2012	5.114	G	7,200	\$28,800,000 407
2231920	Q	160TH ST	BCIP		A		2	s	6/27/2011	5.750	G	5,550	\$22,200,000 407
2231930		FRANCIS LEWIS BLVD	BCIP		A		3	s	2/3/2012	4.682	F	9,100	\$36,400,000 407
2231940		CLINTONVILLE ST	BCIP		Α		2	s	2/3/2012	4.705	F	7,400	\$29,600,000 407
2231950	Q	150TH ST	BCIP		Α		2	s	2/8/2012	4.682	F	5,900	\$23,600,000 407
2231960	Q	149TH ST	BCIP		Α		2	s	2/8/2012	4.795	F	6,210	\$24,840,000 407
2231970	Q	14TH AVE	BCIP		Α		2	s	2/8/2012	4.614	F	8,100	\$32,400,000 407
2231970	Q	147TH ST	BCIP		Α Α		2	s	3/8/2012	4.705	F	6,300	\$25,200,000 407
2232000		BATTERY PLACE	FDR DRIVE		AT		2	s	12/21/2011	5.318	G	142,000	\$25,200,000 407

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
223201A	М	FDR DR N.B. OFF RMP	FDR DR & SOUTH ST		AR		17	s	4/24/2012	3.925	F	23,373	\$93,492,000	101		
223201B	М	STH ST RMP TO FDR S.B.	SOUTH ST		AR		10	s	2/17/2012	3.791	F	13,388	\$53,552,000	101		
223201C	М	FDR DR S.B. OFF RMP	SOUTH ST		AR		8	s	2/9/2012	4.821	F	36,700	\$146,800,000	103		
223201D	М	RAMP TO N.B. FDR DRIVE	FDR & SOUTH ST.		AR		22	s	2/10/2012	4.967	F	15,825	\$63,300,000	101	103	
2232029	М	CORLEARS PARK ROAD	FDR DRIVE		A	Р	4	s	3/28/2012	3.938	F	4,100	\$16,400,000	103		
2232030	М	DELANCEY ST PED BRDG	FDR DRIVE		A-PED	P	12	С	5/2/2012	4.443	F	2,900	\$11,600,000	103		
2232040	М	HOUSTON ST	FDR DRIVE		A		2	s	4/30/2012	3.773	F	11,010	\$44,040,000	103		
223204A	М	FDR NB RAMP TO HOUSTON ST	RELIEF		AR		4	s	1/20/2012	4.706	F	6,150	\$24,600,000	103		
223204B	М	HOUSTON ST RAMP TO FDR NB	RELIEF		AR		4	s	1/23/2012	4.792	F	7,125	\$28,500,000	103		
2232050	М	E 6TH ST PED BRDG	FDR DRIVE		A-PED	P	19	С	3/22/2012	4.233	F	2,200	\$8,800,000	103		
2232070	М	E 25TH ST PED BRDG	FDR DRIVE		A-PED		3	С	3/16/2012	4.627	F	1,700	\$6,800,000	106		
2232100	М	E 51ST ST PED BRDG	FDR DRIVE		A-PED	P	6	С	3/23/2012	4.567	F	2,800	\$11,200,000	106		
2232110	М	E 64TH ST PED BRDG	FDR DRIVE		A-PED	P	11	U	11/23/2011	4.912	F	2,100	\$8,400,000	108		
2232120	М	E 71ST ST PED BRDG	FDR DRIVE		A-PED	Р	19	С	9/7/2012	5.000	G	340	\$1,360,000	108		1
2232140	М	E 78TH ST PED BRDG	FDR DRIVE		A-PED	P	9	C	4/17/2012	6.944	VG	3,120	\$12,480,000	108		
2232167	М	PROMENADE OVER FDR	FDR - E81ST ST - E90TH ST		A-PED	Р	53	s	7/6/2011	3.143	F	93,000	\$372,000,000	108		1
2232180	М	E 103RD ST PED BRDG	FDR DRIVE		A-PED		18	O	9/8/2012	4.395	F	4,800	\$19,200,000	111		
2232190	М	E 111TH ST PED BRDG	FDR DRIVE		A-PED	Р	9	С	9/20/2012	4.128	F	4,200	\$16,800,000	111		
2232200	М	E 120TH ST PED BRDG	FDR DRIVE		A-PED	Р	18	O	9/18/2012	3.914	F	3,978	\$15,912,000	111		
2233020	М	E 10TH ST PED BRDG	FDR DRIVE		A-PED	Р	21	O	3/20/2012	4.193	F	2,754	\$11,016,000	103		
2233038	М	FDR DRIVE SB	FDR NB / E 62ND ST		AT		34	s	12/5/2012	6.563	VG	58,700	\$234,800,000	106	108	
2233040	М	E 60TH ST	FDR DRIVE		Α		17	s	7/3/2012	5.000	G	24,480	\$97,920,000	108		
2233059	М	HARLEM RIVER DRIVE	RAMP TO & FROM HRD N.B.		Α		11	s	7/12/2012	3.507	F	51,000	\$204,000,000	111		
2233080	к	E 14 ST PED BRDG	BSHP		A-PED		14	O	7/16/2012	3.836	F	4,700	\$18,800,000	315		
2240019	KM	BROOKLYN BRIDGE	EAST RIVER		WEO		75	S	11/12/2012	2.944	Р	503,788	\$2,015,152,000	103	302	101
224001A	М	PARK ROW TO BKLN	WILLIAM ST N.B.		OE		4	S	4/24/2012	4.500	F	10,167	\$40,668,000	101		
224001B	М	TO BKLN FRM FDR	FRANKFORT & PEARL ST		OE		31	s	8/20/2012	4.333	F	51,400	\$205,600,000	101	103	
224001C	М	PEARL ST TO BKLN	LAND ADJ TO BRDG		OE		9	s	3/14/2012	3.814	F	6,365	\$25,460,000	101		
224001D	М	TO FDR DR N.B.	PEARL STREET		OE		30	S	7/15/2011	4.868	F	49,600	\$198,400,000	101	103	
224001E	М	TO PEARL ST	LAND ADJ TO BRDG		OE		3	s	6/28/2011	5.141	G	5,300	\$21,200,000	101		
224001F	М	PEARL ST TO FDR DR	LAND ADJ TO BRDG		OE		3	s	4/2/2012	5.282	G	5,200	\$20,800,000	103		
224001G	М	TO PARK ROW	ROSE ST		OE		11	s	3/27/2012	4.408	F	16,551	\$66,204,000	101		
2240027	KM	MANHATTAN BRIDGE(LL)	EAST RIVER	т	WEO		23	s	11/19/2012	4.653	F	616,390	\$2,465,560,000	103	302	
2240028	KM	MANHATTAN BRIDGE(UL)	NYCTA TRACKS-BMT	т	WEO		43	s	11/19/2012	3.757	F	587,424	\$2,349,696,000	103	302	
2240039	км	WILLIAMSBURG BRIDGE	EAST RIVER	т	WEO		53	s	10/27/2012	4.431	F	824,000	\$3,296,000,000	103	301	
2240047	MQ	QUEENSBORO BRIDGE (LL)	EAST RIVER	AL	WEO		53	s	12/5/2012	4.264	F	626,900	\$2,507,600,000	108	402	401
2240048	MQ	QUEENSBORO BRIDGE (UL)	EAST RIVER - LL		WEO		37	s	10/26/2012	4.189	F	322,300	\$1,289,200,000	108	402	401
224004A	м	TO E 60TH ST FROM QNS	FIRST AVE		OE		13	s	4/20/2012	5.338	G	14,800	\$59,200,000	108		
224004B	м	TO QNS FRM E 59TH ST	FIRST AVE		OE		13	s	4/20/2012	5.653	G	14,800	\$59,200,000	108		
224004C	М	TO E 62ND ST FROM QNS	E 60TH - E 61ST ST		OE		10	s	8/30/2012	4.985	F	16,720	\$66,880,000	108		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
224004D	М	TO QNS FROM E 58TH ST	E 59TH ST		OE		12	s	6/28/2012	4.245	F	10,858	\$43,432,000	106	108	
224004E	Q	TO NY FR THOMSON AVE	JACKSON AVE	L	OE		94	s	12/12/2012	4.604	F	104,600	\$418,400,000	402	Ш	
224004F	Q	TO NY FROM 21ST ST	21ST ST		OE		63	s	12/19/2012	4.712	F	63,310	\$253,240,000	402	401	
224004G	Q	TO NY FROM 11TH ST	TERRAIN (CHAMBER)		OE		36	s	8/14/2012	5.268	G	8,360	\$33,440,000	401	402	
224004H	Q	TO 21ST ST FROM NY	22ND ST		OE		43	s	12/18/2012	4.437	F	48,100	\$192,400,000	402		
224004I	Q	TO THOMSON AVE FROM NY	JACKSON AVE	L	OE		39	s	12/18/2012	4.951	F	59,100	\$236,400,000	402		
224004J	М	25X	NYC GARAGE		OE		14	s	4/23/2012	4.829	F	22,058	\$88,232,000	108		
2240059	вм	WILLIS AVENUE	HARLEM RIVER		WMO		15	s	12/17/2012	6.833	VG	171,105	\$684,420,000	111	201	
224005A	М	FROM FDR DRIVE	HARLEM RIVER DR		OR		11	s	11/29/2012	7.000	VG	28,233	\$112,932,000	111		
224005B	В	TO BRUCKNER BLVD	RELIEF		OR		5	s	10/24/2011	6.746	VG	12,100	\$48,400,000	201		
2240069	ВМ	THIRD AVE BRIDGE	HARLEM RIVER		WMO		14	s	9/20/2012	5.845	G	100,232	\$400,928,000	111	201	
224006A	В	FROM BRUCKNER BLVD	RELIEF		OR		5	s	9/28/2011	6.761	VG	14,037	\$56,148,000	201		
2240079	вм	MADISON AVE BRIDGE	HARLEM RIVER		WMO		21	s	9/20/2012	4.944	F	80,000	\$320,000,000	111	201	
224007A	М	TO MADISON AVENUE	E 138TH ST		OR		7	s	2/9/2012	5.028	G	19,880	\$79,520,000	111		
2240089	вм	145TH ST BRIDGE	HARLEM RIVER		WMO		8	s	9/23/2011	6.250	VG	56,700	\$226,800,000	110	204	201
2240120	вм	W 207TH/W FORDHAM RD	HARLEM RIVER		WMO		5	s	9/5/2012	5.056	G	31,784	\$127,136,000	112	207	
2240137	вм	BROADWAY BRIDGE	HARLEM RIVER	тм	WMO		3	s	12/7/2012	3.806	F	46,848	\$187,392,000	112	207	208
2240138	вм	NYCTA IRT	HARLEM RVR/BROADWAY	тм	WMO		3	s	11/21/2011	4.720	F	19,520	\$78,080,000	112	207	208
2240180	В	WESTCHESTER AVE	BRONX RIVER		wo		1	s	9/16/2011	4.608	F	5,476	\$21,904,000	202	209	
2240200	В	SHORE ROAD	HUTCHINSON RIVER		WMO		7	s	6/15/2012	4.537	F	43,576	\$174,304,000	228		
2240210	В	CITY ISLAND ROAD	EASTCHESTER BAY		wo		7	s	10/19/2012	3.389	F	19,915	\$79,660,000	228		
2240231	к	HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	s	9/13/2012	5.472	G	7,300	\$29,200,000	307	306	
2240232	к	HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	s	9/7/2011	5.306	G	7,300	\$29,200,000	306		
2240240	к	NINTH ST BRIDGE	GOWANUS CANAL		WMO		3	s	5/27/2011	6.581	VG	5,772	\$23,088,000	306		
2240250	к	THIRD ST	GOWANUS CANAL		WMO		5	s	5/19/2011	4.903	F	4,900	\$19,600,000	306		
2240260	к	CARROLL ST	GOWANUS CANAL		WMO		2	s	7/6/2012	4.634	F	3,000	\$12,000,000	306		
2240270	к	UNION ST	GOWANUS CANAL		WMO		5	s	8/10/2012	4.000	F	4,900	\$19,600,000	306		
2240290	к	METROPOLITAN AVE	ENGLISH KILLS		WMO		5	s	6/28/2011	6.000	G	10,550	\$42,200,000	301		
2240301	к	CROPSEY AVE	CONEY ISLAND CREEK		wo		3	s	6/10/2011	5.225	G	9,400	\$37,600,000	313		
2240302	к	CROPSEY AVE	CONEY ISLAND CREEK		wo		3	s	10/2/2012	4.718	F	9,400	\$37,600,000	313		
2240310	к	THIRD AVE	GOWANUS CANAL		wo		1	s	5/18/2011	6.900	VG	3,200	\$12,800,000	306		
2240320	к	OCEAN AVE PED BRDG	SHEEPSHEAD BAY		WO-PED		30	O	9/15/2011	4.571	F	4,450	\$17,800,000	315		
2240350	R	RICHMOND AVE	RICHMOND CREEK		wo		3	s	6/8/2011	5.472	G	32,589	\$130,356,000	502		
2240370	KQ	GREENPOINT AVE BRIDGE	NEWTOWN CREEK	L	WMO		12	s	7/8/2011	5.222	G	76,106	\$304,424,000	301	402	
2240390	KQ	GRAND ST BRIDGE	NEWTOWN CREEK		WMO		2	s	10/7/2012	4.042	F	5,100	\$20,400,000	301	405	
2240410	Q	BORDEN AVE	DUTCH KILLS		WMO		2	s	7/26/2011	4.792	F	8,400	\$33,600,000	402		
2240440	Q	NORTHERN BLVD	ALLEY CREEK		wo		2	s	8/9/2012	4.681	F	8,300	\$33,200,000	411		
2240450	Q	HUNTERS PT AVE	DUTCH KILLS		WMO		4	s	7/3/2012	5.083	G	12,168	\$48,672,000	402		
2240507	Q	ROOSEVELT AVE	678I - FLUSHING RIVER		WA		27	s	11/30/2012	3.465	F	84,424	\$337,696,000	407	481	
2240540	к	STILLWELL AVE	CONEY ISLAND CRK		wo		2	s	5/27/2011	6.292	VG	17,000	\$68,000,000		П	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2240620	М	WARDS ISLAND PED BRDG	HARLEM RIVER		WMO-PED		10	С	4/15/2011	4.097	F	12,600	\$50,400,000	111		
2240639	KQ	PULASKI BRIDGE	NEWTOWN CREEK		WMO		44	s	5/11/2012	4.662	F	205,770	\$823,080,000	301	402	
2240640	MQ	ROOSEVELT ISLAND BRDG	E. RIVER E. CHANNEL		WMO		8	s	11/19/2012	5.611	G	36,500	\$146,000,000	108	401	
2240650	Q	163RD AVE PED BRDG	HAWTREE BASIN		WO-PED		13	С	9/19/2011	4.174	F	5,000	\$20,000,000	410		
2240660	Q	RIKERS ISLAND BRIDGE	RIKERS ISL CHANNEL		wo		56	s	12/18/2012	4.380	F	183,100	\$732,400,000	401	480	
2241000	В	WESTCHESTER AVE	CSX TRANS - PT MORRIS	С	0		1	s	6/11/2012	4.660	F	1,740	\$6,960,000	201		
2241010	В	E 156TH STREET	CSX TRANS - PT MORRIS	С	0		1	s	6/18/2012	4.612	F	2,400	\$9,600,000	201		
2241020	В	E 161ST STREET	CSX TRANS - PT MORRIS	С	0		1	s	3/21/2012	6.700	VG	12,800	\$51,200,000	203		
2241030	В	E 163RD STREET	CSX TRANS - PT MORRIS	С	0		1	s	3/1/2012	4.611	F	3,200	\$12,800,000	203		
2241040	В	THIRD AVE	CSX TRANS - PT MORRIS	С	0		1	s	7/25/2012	4.563	F	2,700	\$10,800,000	201	203	
2241050	В	E 149TH ST/JACKSON AVE	CSX TRANS - PT MORRIS	С	0		1	s	6/7/2012	4.850	F	65,000	\$260,000,000	201		
2241060	В	ST. MARYS & CONCORD	CSX TRANS - PT MORRIS	С	0		1	s	8/15/2012	5.370	G	4,500	\$18,000,000	201		
2241070	В	WALES AVE	CSX TRANS - PT MORRIS	С	0		1	s	8/8/2012	6.467	VG	2,535	\$10,140,000	201		
2241080	В	SOUTHERN BLVD	CSX TRANS - PT MORRIS	С	0		1	s	8/8/2012	4.093	F	3,900	\$15,600,000	201		
2241099	В	BRUCKNER BLVD	CSX TRANS - PT MORRIS	С	0		1	s	8/7/2012	6.450	VG	6,700	\$26,800,000	201		
2241110	В	MELROSE AVE	CSX TRANS - PT MORRIS	С	0		8	s	8/3/2011	5.611	G	37,854	\$151,416,000	203		
2241129	В	E 149TH ST	AMTRAK - CSX	AC	0		2	s	10/8/2012	4.620	F	18,258	\$73,032,000	201	202	
2241139	В	LEGGETT AVE	AMTRAK - CSX	AC	0		3	s	10/8/2012	4.620	F	41,551	\$166,204,000	202		
2241159	В	LONGWOOD AVE	AMTRAK - CSX	AC	0		2	s	10/10/2012	5.236	G	10,625	\$42,500,000	202		
2241169	В	LAFAYETTE AVE	AMTRAK - CSX	AC	0		1	s	10/5/2012	5.651	G	12,000	\$48,000,000	202		
2241170	В	TIFFANY ST	AMTRAK - CSX	AC	0		1	s	11/1/2011	5.627	G	7,267	\$29,068,000	202		
2241180	В	BARRETTO ST	AMTRAK - CSX	AC	0		1	s	10/8/2012	6.000	G	5,313	\$21,252,000	202		
2241190	В	HUNTS POINT AVE	AMTRAK - CSX	AC	0		1	s	10/12/2012	4.828	F	10,049	\$40,196,000	202		
2241200	В	FAILE ST	AMTRAK - CSX	AC	0		1	s	10/12/2012	5.578	G	6,208	\$24,832,000	202		
2241210	В	BRYANT AVE	AMTRAK - CSX	AC	0		1	s	10/11/2012	3.051	F	5,300	\$21,200,000	202		
2241230	В	WESTCHESTER AVE	AMTRAK - CSX	AC	0		3	s	11/26/2012	5.944	G	15,600	\$62,400,000	202	209	
2241259	В	204TH ST PED BRDG	METRO NORTH RR HAR	М	O-PED	Р	1	С	2/2/2012	3.948	F	4,700	\$18,800,000	227	207	
2241269	В	E 177TH ST	AMTRAK - CSX	AC	0		3	s	8/27/2012	5.403	G	16,606	\$66,424,000	206		
2241270	В	E TREMONT AVE	AMTRAK - CSX	AC	0		2	s	8/27/2012	5.153	G	22,300	\$89,200,000	209	211	
2241329	В	WHITE PLAINS ROAD	AMTRAK - CSX	AC	0		1	s	10/9/2012	4.781	F	6,900	\$27,600,000	211		
2241330	В	UNIONPORT ROAD	AMTRAK - CSX	AC	0		1	s	10/9/2012	4.781	F	7,631	\$30,524,000	211		
2241369	В	WILLIAMSBRIDGE RD	AMTRAK - CSX	AC	0		2	s	8/27/2012	4.836	F	6,510	\$26,040,000	211		
2241380	В	PELHAM BAY PK EQUES	AMTRAK - CSX	AC	O-PED	Р	1	С	1/7/2012	3.775	F	4,223	\$16,892,000	228		
2241390	В	SHORE RD CIRCLE	AMTRAK - CSX	AC	0		1	s	7/3/2012	7.000	VG	8,067	\$32,268,000	228		
2241409	В	GRAND CONCOURSE	METRO NORTH RR HUD	мт	0		1	s	5/16/2012	3.797	F	14,300	\$57,200,000	204		
2241410	В	WALTON AVE	METRO NORTH RR HUD	М	0		1	s	5/16/2012	4.953	F	3,600	\$14,400,000	204		
2241420	В	GERARD AVE	METRO NORTH RR HUD	М	0		1	s	5/16/2012	5.797	G	5,063	\$20,252,000	204		
2241430	В	RIVER AVE	METRO NORTH RR HUD	М	0		1	s	7/13/2011	6.156	VG	5,040	\$20,160,000	204		
2241460	В	W TREMONT AVE	METRO NORTH RR HUD	М	0		8	s	6/7/2012	3.955	F	12,900	\$51,600,000	205		
2241470	В	W FORDHAM RD	METRO NORTH RR HUD	М	0		4	s	7/14/2011	5.694	G	16,052	\$64,208,000	207		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2241489	В	W 225TH ST	CSX TRASP - PUTNAM	С	o		2	s	6/9/2012	5.328	G	10,900	\$43,600,000	207	7 208	
2241490	В	W 230TH ST	CONRAIL (ABANDONED) PUTNAM		o		1	s	4/8/2011	5.563	G	5,600	\$22,400,000	208	3	
2241509	В	W 231ST ST	CONRAIL (ABANDONED) PUTNAM		0		1	s	7/26/2012	4.745	F	4,723	\$18,892,000	208	3	
2241510	В	W 233RD ST	CONRAIL (ABANDONED) PUTNAM		0		1	s	4/7/2011	5.275	G	3,760	\$15,040,000	208	3	
2241520	В	W 234TH ST	CONRAIL (ABANDONED) PUTNAM		o		1	s	4/7/2011	5.176	G	3,770	\$15,080,000	208	3	
2241550	В	E 144TH ST	METRO NORTH RR HAR	М	o		2	s	7/11/2011	6.264	VG	8,290	\$33,160,000	201	,	
2241560	В	E 149TH ST	METRO NORTH RR HAR	М	0		8	s	5/8/2012	4.819	F	27,900	\$111,600,000	201	204	Ш
2241590	В	CONCOURSE VILL AVE	METRO NORTH RR HAR	М	o		1	s	4/20/2012	3.969	F	12,077	\$48,308,000	204	ı	Ш
2241600	В	E 158TH ST	METRO NORTH RR HAR	М	0		1	s	7/12/2011	5.200	G	3,400	\$13,600,000	204	1	
2241610	В	E 161ST ST	METRO NORTH RR HAR	М	0		1	s	10/12/2011	5.017	G	6,600	\$26,400,000	204	203	
2241620	В	E 162ND ST	METRO NORTH RR HAR	М	0		1	s	4/20/2012	4.859	F	4,700	\$18,800,000	203	ı	
2241630	В	E 165TH ST	METRO NORTH RR HAR	М	0		1	s	4/20/2012	4.300	F	16,400	\$65,600,000	203	,	
2241650	В	E 167TH ST	METRO NORTH RR HAR	М	0		1	s	4/17/2012	5.510	G	3,363	\$13,452,000	203	i	
2241660	В	E 168TH ST	METRO NORTH RR HAR	М	0		1	s	4/18/2012	4.641	F	4,800	\$19,200,000	203	i	
2241670	В	E 169TH ST	METRO NORTH RR HAR	М	0		1	s	4/18/2012	4.250	F	3,300	\$13,200,000	203	i	
2241680	В	E 170TH ST	METRO NORTH RR HAR	М	0		1	s	4/16/2012	6.333	VG	3,150	\$12,600,000	203	i	
2241700	В	ST PAULS PL PED BRDG	METRO NORTH RR HAR	М	O-PED		2	С	2/7/2012	4.884	F	600	\$2,400,000	203	1	
2241710	В	CLAREMONT PKWY	METRO NORTH RR HAR	М	0		1	s	4/16/2012	4.426	F	6,300	\$25,200,000	203	i	
2241720	В	E 173RD ST	METRO NORTH RR HAR	М	0		1	s	4/16/2012	4.875	F	3,000	\$12,000,000	203	,	
2241740	В	E 175TH ST	METRO NORTH RR HAR	М	0		1	s	4/16/2012	3.938	F	3,600	\$14,400,000	206	j	
2241760	В	E TREMONT AVE	METRO NORTH RR HAR	М	0		1	s	7/6/2011	6.450	VG	8,424	\$33,696,000	206	j	
2241770	В	E 178TH ST PED BRDG	METRO NORTH RR HAR	М	O-PED		1	С	2/6/2012	4.918	F	700	\$2,800,000	206	j	
2241780	В	E 179TH ST PED BRDG	METRO NORTH RR HAR	М	O-PED		6	С	2/3/2012	5.763	G	700	\$2,800,000	206	j	
2241790	В	E 180TH ST	METRO NORTH RR HAR	М	0		1	s	4/11/2012	3.906	F	5,000	\$20,000,000	206	j	
2241800	В	E 183TH ST	METRO NORTH RR HAR	М	0		1	s	4/11/2012	4.109	F	4,080	\$16,320,000	206	j	
2241810	В	E 188TH ST	METRO NORTH RR HAR	М	0		1	s	4/11/2012	4.063	F	5,300	\$21,200,000	206	j	
2241820	В	E 187TH ST	METRO NORTH RR HAR	М	0		1	s	4/11/2012	4.344	F	3,800	\$15,200,000	206	j	
2241839	В	E 189TH ST	METRO NORTH RR HAR	М	0		1	s	7/6/2011	6.333	VG	43,157	\$172,628,000	206	207	
2241840	В	BEDFORD PARK BLVD	METRO NORTH RR HAR	М	o		1	s	4/20/2012	4.844	F	6,400	\$25,600,000	227	7 207	Ш
2241860	В	GUN HILL RD	METRO NORTH RR HAR	М	0		1	s	5/1/2012	6.531	VG	9,128	\$36,512,000	212	2	
2241870	В	E 233RD ST	METRO NORTH RR HAR	М	0		1	s	4/30/2012	4.902	F	7,664	\$30,656,000	212	2 207	
2241890	В	E 241ST ST	BRP, METRO NORTH HAR	М	wo		28	s	10/5/2011	4.306	F	49,500	\$198,000,000	212	2	
2241900	В	EASTCHESTER ROAD	NYCTA-DYRE AVE LN	Т	o		3	s	11/19/2012	4.486	F	13,500	\$54,000,000	212	2	
2241910	В	GUN HILL ROAD	NYCTA-DYRE AVE LN	Т	o		1	s	11/19/2012	5.750	G	7,500	\$30,000,000	211	1 212	
2241930	В	BEDFORD PARK BLVD	NYCTA IND YARDS	т	0		4	s	11/20/2012	5.403	G	46,300	\$185,200,000	207	,	
2241940	В	W 205TH ST	NYCTA IND YARDS	Т	o		4	s	11/20/2012	5.514	G	32,508	\$130,032,000	207	,	
2241959	В	HUTCHINSON RVR PKWY	AMTRAK - CSX	AC	0		1	s	5/25/2012	5.780	G	15,444	\$61,776,000	210	211	
2242010	В	EAST FORDHAM RD	BRONX RIVER		WA		1	s	3/5/2012	5.207	G	9,200	\$36,800,000	227	,	
2242029	В	SOUTHERN BLVD	EAST FORDHAM ROAD		0		2	s	1/18/2012	4.605	F	12,900	\$51,600,000	227	,	
2242030	В	CROTONA AVE	BRONX PELHAM PKWY		0		2	s	1/18/2012	5.447	G	7,600	\$30,400,000	206	i	Ш

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED ROAD D		OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2242071	В	BRONX BLVD S.B.	BRONX RIVER	wo		1	s	3/19/2012	4.633	F	1,800	\$7,200,000	212	╙	
2242072	В	BRONX BLVD N.B.	BRONX RIVER	wo		1	s	3/19/2012	4.967	F	1,800	\$7,200,000	212		
2242081	В	BRONX BLVD S.B.	BRONX RIVER	wo		1	s	3/21/2012	4.467	F	2,800	\$11,200,000	212		
2242082	В	BRONX BLVD N.B.	BRONX RIVER	wo		1	s	3/22/2012	4.467	F	2,800	\$11,200,000	212		
2242099	В	PARK ROAD (204TH ST)	BRONX RIVER	wo		1	s	6/4/2012	4.655	F	4,700	\$18,800,000	212		
2242100	В	BOTANICAL GARDEN ROAD	TWIN LAKES	wo	Р	1	s	3/1/2012	4.833	F	2,200	\$8,800,000	227		
2242110	В	BOSTON ROAD	BRONX RIVER	wo		1	s	3/2/2012	4.227	F	6,200	\$24,800,000	227		
2242120	В	FTBG N OF RTE 1	BRONX RIVER	WO-PED	Р	1	С	7/13/2012	3.583	F	1,900	\$7,600,000	227		
2242149	В	E TREMONT AVE	BRONX RIVER	wo		2	s	5/30/2012	4.500	F	12,900	\$51,600,000	206		
2242210	В	MAGNOLIA WAY	BRONX RIVER	wo		3	s	5/31/2012	4.763	F	6,200	\$24,800,000	227		ŀ
2242220	В	SNUFF MILL ROAD	BRONX RIVER	wo		2	s	1/13/2012	4.395	F	4,800	\$19,200,000	227		ŀ
2242259	В	GRAND CONCOURSE	E 161ST ST	О		1	s	7/31/2012	6.333	VG	27,017	\$108,068,000	204		
2242260	В	EAGLE AVE	E 161ST ST	0		1	s	2/10/2012	5.017	G	2,800	\$11,200,000	201	203	
2242280	В	GRAND CONCOURSE	E 167TH ST	0		2	s	7/20/2012	4.754	F	42,900	\$171,600,000	204		
2242299	В	GRAND CONCOURSE	E 138TH ST	0		1	s	5/25/2011	4.467	F	9,500	\$38,000,000	201		
2242300	В	GRAND CONCOURSE	E 170TH ST	0		2	s	2/23/2012	4.789	F	39,300	\$157,200,000	204		
2242319	В	GRAND CONCOURSE	E 174TH ST T	0		1	s	2/24/2012	4.067	F	14,900	\$59,600,000	204		
2242329	В	GRAND CONCOURSE	E 175TH ST T	0		1	s	7/17/2012	4.833	F	11,900	\$47,600,000	205		
2242330	В	GRAND CONCOURSE	E TREMONT AVE	0		1	s	9/28/2011	5.983	G	11,700	\$46,800,000	205		
2242340	В	GRAND CONCOURSE	EAST KINGSBRIDGE	0		2	s	7/24/2012	4.714	F	18,285	\$73,140,000	207		
2242350	В	EAST FORDHAM RD	GRAND CONCOURSE	0		1	s	2/17/2012	4.567	F	10,300	\$41,200,000	205	207	
2242360	В	GRAND CONCOURSE	BURNSIDE AVE	0		2	s	8/2/2012	4.441	F	8,400	\$33,600,000	205		
2242370	В	GRAND CONCOURSE	BEDFORD PARK BLVD	0		1	s	2/16/2012	4.137	F	8,418	\$33,672,000	207		
2242380	В	GRAND CONCOURSE	E 204TH ST	0		1	s	9/26/2011	5.484	G	9,272	\$37,088,000	207		
2242400	В	E 180TH ST	BRONX RIVER	wo		1	s	8/28/2012	4.810	F	4,500	\$18,000,000	206	227	
2242430	В	GUN HILL ROAD	BRONX BLVD	0		4	s	2/15/2012	5.018	G	9,400	\$37,600,000	212	:	
2242440	В	GUN HILL ROAD	BRONX RIVER	wo		1	s	2/13/2012	5.300	G	8,700	\$34,800,000	212		
2242459	В	E 233RD ST	BRONX RIVER	wo		1	s	2/22/2012	4.233	F	7,000	\$28,000,000	212		
2242460	В	E 233RD ST	ENTR RD BNX RVR PKWY	0		1	s	1/10/2012	4.867	F	5,300	\$21,200,000	212	:	
2243010	к	LINCOLN ROAD	BMT SUBWAY, BRIGHTON T	0		1	s	7/24/2012	6.685	VG	6,016	\$24,064,000	355		
2243020	к	PARKSIDE AVE	BMT SUBWAY, BRIGHTON T	0		6	s	9/14/2012	3.826	F	48,700	\$194,800,000	314		
2243040	к	CROOKE AVE	BMT SUBWAY, BRIGHTON T	0		4	s	10/8/2012	4.211	F	6,000	\$24,000,000	314		
2243050	к	CATON AVE	BMT SUBWAY, BRIGHTON T	0		4	s	8/10/2011	4.500	F	20,800	\$83,200,000	314	,	
2243080	к	CHURCH AVE	BMT SUBWAY, BRIGHTON T	0		4	s	8/10/2011	4.545	F	18,200	\$72,800,000	314		
2243100	к	BEVERLY ROAD	BMT SUBWAY, BRIGHTON T	0		3	s	7/27/2012	3.982	F	4,200	\$16,800,000	314		
2243110	к	CORTELYOU ROAD	BMT SUBWAY, BRIGHTON T	0		3	s	8/25/2011	6.139	VG	4,810	\$19,240,000			
2243120	к	DORCHESTER ROAD	BMT SUBWAY, BRIGHTON T	0		1	s	12/3/2012	5.863	G	4,825	\$19,300,000			
2243130	к	DITMAS AVE	BMT SUBWAY, BRIGHTON T	0		1	s	10/4/2011	5.723	G	5,150	\$20,600,000			\Box
2243140	к	NEWKIRK AVE	BMT SUBWAY, BRIGHTON T	0		3	s	9/14/2012	4.662	F	4,100	\$16,400,000			\vdash
2243150	к	FOSTER AVE	BMT SUBWAY, BRIGHTON T	0		1	s	7/25/2012	4.383	F	3.000	\$12,000,000		_	H

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER		RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST C	CD C	;D2 (CD3
2243170	к	STERLING PLACE	FRANKLIN SHUTTLE	т	0		1	s	8/24/2011	6.500	VG	2,300	\$9,200,000 36	80		
2243180	к	ST JOHNS PLACE	FRANKLIN SHUTTLE	т	0		1	s	8/24/2011	6.781	VG	2,300	\$9,200,000 36	80		
2243190	к	LINCOLN PLACE	FRANKLIN SHUTTLE	т	0		1	s	9/6/2012	6.797	VG	2,460	\$9,840,000 36	80		
2243200	к	UNION ST	FRANKLIN SHUTTLE	т	0		2	s	9/5/2012	5.000	G	4,100	\$16,400,000 30	09		
2243210	к	PRESIDENT ST	FRANKLIN SHUTTLE	т	0		2	s	9/5/2012	5.157	G	2,500	\$10,000,000 36	09		
2243220	к	CARROLL ST PED BRDG	FRANKLIN SHUTTLE	т	O-PED		3	С	12/17/2012	5.099	G	600	\$2,400,000 36	09		
2243230	к	CROWN ST	FRANKLIN SHUTTLE	т	0		3	s	10/11/2011	5.097	G	4,060	\$16,240,000 36	09		
2243240	к	MONTGOMERY ST	FRANKLIN SHUTTLE	т	0		1	s	8/11/2011	5.961	G	2,240	\$8,960,000 30	09		
2243250	к	WASHINGTON AVE	FRANKLIN SHUTTLE	т	0		1	s	9/4/2012	6.000	G	3,657	\$14,628,000 30	09 3	355	
2243260	к	FLATBUSH AVE	FRANKLIN SHUTTLE	т	0		2	s	7/23/2012	4.922	F	11,300	\$45,200,000 36	09		
2243279	к	EASTERN PKWY	FRANKLIN SHUTTLE	т	0		1	s	9/6/2012	4.861	F	7,700	\$30,800,000	09 3	308	
2243280	к	6TH AVE	LIRR ATLANTIC AVE	L	0		9	s	9/13/2012	5.431	G	12,276	\$49,104,000	02		
2243290	к	CARLTON AVE	LIRR ATLANTIC AVE	L	0		7	s	3/7/2012	5.069	G	10,823	\$43,292,000 36	02		
2243310	к	2ND AVE	LIRR BAY RIDGE	N	0		2	s	10/2/2012	6.236	VG	17,751	\$71,004,000 3	10		
2243320	к	3RD AVE	LIRR BAY RIDGE	N	0		4	s	9/14/2011	5.083	G	17,230	\$68,920,000 3	10		
2243330	к	4TH AVE	LIRR BAY RIDGE	NT	0		4	s	8/30/2011	5.653	G	13,668	\$54,672,000 3°	10		
2243340	к	15TH AVE	LIRR BAY RIDGE	N	0		1	s	11/14/2012	4.872	F	3,614	\$14,456,000 3 ⁻	11		
2243350	к	60TH ST	LIRR BAY RIDGE	N	0		1	s	8/31/2011	6.133	VG	3,900	\$15,600,000 3	11		
2243360	к	16TH AVE	LIRR BAY RIDGE	N	0		1	s	10/4/2012	5.350	G	4,345	\$17,380,000 3	11		
2243370	к	17TH AVE	LIRR BAY RIDGE	N	0		1	s	10/5/2012	4.745	F	3,406	\$13,624,000 3°	12		
2243380	к	18TH AVE	LIRR BAY RIDGE	N	0		1	s	9/28/2012	4.688	F	6,006	\$24,024,000 3 ⁻	12		
2243390	к	52ND ST	LIRR BAY RIDGE	N	0		1	s	9/28/2012	6.250	VG	3,293	\$13,172,000 3	12		
2243400	к	50TH ST	LIRR BAY RIDGE	N	0		2	s	9/1/2011	4.731	F	7,100	\$28,400,000 3 ⁻	12		
2243410	к	MCDONALD AVE	LIRR BAY RIDGE	N	0		1	s	9/27/2012	5.047	G	2,760	\$11,040,000 3 ⁻	12		
2243420	к	E 3RD ST	LIRR BAY RIDGE	N	0		1	s	9/1/2011	6.517	VG	1,840	\$7,360,000 3	12		
2243439	к	OCEAN PKWY	LIRR BAY RIDGE	N	0		1	s	9/27/2012	4.927	F	7,000	\$28,000,000	12		
2243440	к	CONEY ISLAND AVE	LIRR BAY RIDGE	N	0		1	s	9/26/2012	5.106	G	3,231	\$12,924,000 3 ⁻	12		
2243450	к	E 14TH ST	LIRR BAY RIDGE	N	0		1	s	9/26/2012	4.809	F	1,775	\$7,100,000 3 ⁻	14		
2243460	к	E 15TH ST PED BRDG	LIRR BAY RIDGE	N	O-PED		3	С	3/8/2012	5.592	G	900	\$3,600,000 3 ⁻	14		
2243480	к	OCEAN AVE	LIRR BAY RIDGE	N	0		2	s	9/25/2012	4.825	F	5,000	\$20,000,000 3	14		
2243490	к	BEDFORD AVE	LIRR BAY RIDGE	N	0		6	s	9/24/2012	4.319	F	12,000	\$48,000,000 3 ⁻	14		
2243500	к	NOSTRAND AVE	LIRR BAY RIDGE	N	0		2	s	9/26/2012	4.831	F	4,320	\$17,280,000 3 ⁻	14		
2243510	к	FLATBUSH AVE	LIRR BAY RIDGE	N	0		2	s	10/5/2012	4.730	F	5,900	\$23,600,000 3		\top	1
2243520	к	BROOKLYN AVE	LIRR BAY RIDGE	N	0		3	s	9/9/2011	6.236	VG	4,500	\$18,000,000 3 ⁻		\top	\neg
2243530	к	AVENUE H	LIRR BAY RIDGE	N	0		2	s	9/9/2011	5.956	G	35,100	\$140,400,000 3		\top	
2243569		ATLANTIC AVE	LIRR ATLANTIC AVE	L	0		75	s	5/25/2012	3.676	F	135,100	\$540,400,000 3°		305	一
2243570		86TH ST	BMT SEA BEACH	т	0		1	s	8/27/2012	5.953	G	12,167	\$48,668,000 3		\top	1
2243580		5TH AVE	LIRR & SEA BEACH	NT	0		4	s	11/12/2012	3.941	F	12,395	\$49,580,000 3°		\top	一
2243590		6TH AVE	LIRR & SEA BEACH	NT	0		2	s	9/30/2011	6.306	vg	14,382	\$57,528,000 3°		\top	
2243600		7TH AVE	LIRR & SEA BEACH	NT	0		7	s	11/12/2012	4.778	F	18,628	\$74,512,000 3°		\top	一

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2243610	к	8TH AVE	LIRR & SEA BEACH	NT	0		2	S 9/30/2011	6.181	VG	10,834	\$43,336,000	310		
2243620	к	FORT HAMILTON PKWY	LIRR & SEA BEACH	NT	0		3	S 9/19/2012	4.729	F	14,800	\$59,200,000	310		
2243630	к	11TH AVE	LIRR & SEA BEACH	NT	0		5	S 11/13/2012	5.985	G	9,700	\$38,800,000	310		
2243640	к	13TH AVE	LIRR & SEA BEACH	NT	0		5	S 9/23/2011	4.694	F	16,000	\$64,000,000	310		
2243650	к	14TH AVE	LIRR BAY RIDGE	N	0		1	S 11/13/2012	6.333	VG	4,720	\$18,880,000	311		
2243660	к	NEW UTRECHT AVE	LIRR BAY RIDGE	N	0		1	S 11/13/2012	6.083	VG	2,350	\$9,400,000	311		
2243670	к	15TH AVE	BMT SEA BEACH	т	0		4	S 6/26/2011	6.386	VG	16,020	\$64,080,000	311		
2243680	к	16TH AVE	BMT SEA BEACH	т	0		3	S 8/30/2012	5.296	G	6,816	\$27,264,000	311		
2243690	к	17TH AVE	BMT SEA BEACH	т	0		4	S 8/30/2012	6.173	VG	8,946	\$35,784,000	311		
2243700	к	18TH AVE	BMT SEA BEACH	т	0		1	S 8/25/2011	6.632	VG	5,200	\$20,800,000	311		
2243710	к	19TH AVE	BMT SEA BEACH	т	0		4	S 8/29/2012	4.184	F	4,800	\$19,200,000	311		
2243720	к	20TH AVE	BMT SEA BEACH	т	0		1	S 8/31/2012	6.673	VG	7,000	\$28,000,000	311		
2243730	к	65TH ST	BMT SEA BEACH	т	0		4	S 8/28/2012	5.132	G	12,000	\$48,000,000	311		
2243740	к	BAY PKWY	BMT SEA BEACH	т	0		4	S 8/28/2012	4.553	F	16,800	\$67,200,000	311		
2243750	к	AVENUE O	BMT SEA BEACH	т	0		1	S 9/1/2011	5.706	G	4,658	\$18,632,000	311		
2243760	к	AVENUE P	BMT SEA BEACH	т	0		1	S 8/31/2011	5.674	G	5,544	\$22,176,000	311		
2243770	к	KINGS HIGHWAY	BMT SEA BEACH	т	0		1	S 9/13/2011	6.767	VG	5,032	\$20,128,000	311		
2243780	к	HIGHLAWN AVE	BMT SEA BEACH	т	0		1	S 9/13/2011	6.400	VG	6,960	\$27,840,000	311		
2243790	к	AVENUE S	BMT SEA BEACH	т	0		1	S 9/15/2011	5.967	G	5,360	\$21,440,000	315		
2243800	к	AVENUE T	BMT SEA BEACH	т	0		1	S 9/15/2011	6.033	VG	5,360	\$21,440,000	311		
2243810	к	AVENUE U	BMT SEA BEACH	т	0		1	S 9/11/2012	5.294	G	5,880	\$23,520,000	315		
2243820	к	21ST AVE	BMT SEA BEACH	т	0		4	S 9/7/2012	3.974	F	21,400	\$85,600,000	311		
2243839	к	4TH AVE	NYCTA BMT TRACKS	т	0		1	S 8/24/2011	6.300	VG	4,440	\$17,760,000	307		
2243840	к	9TH AVE	NYCTA BMT YARD	т	0		5	S 8/19/2011	5.736	G	12,440	\$49,760,000	312		
2243850	к	LIBERTY AVE	LIRR BAY RIDGE	N	0		3	S 9/25/2012	6.294	VG	6,659	\$26,636,000	316		
2243860	к	GLENMORE AVE	LIRR BAY RIDGE	N	0		2	S 9/25/2012	6.559	VG	5,616	\$22,464,000	316		
2243870	к	PITKIN AVE	LIRR BAY RIDGE	N	0		2	S 9/25/2012	6.515	VG	5,328	\$21,312,000	316		
2243890	к	SUTTER AVE	LIRR BAY RIDGE	N	0		3	S 9/25/2012	6.542	VG	5,497	\$21,988,000	316		
2243900	к	BLAKE AVE	LIRR BAY RIDGE LINE	N	0		3	S 9/25/2012	5.000	G	4,912	\$19,648,000	316		
2243910	к	LIVONIA AVE PED BRDG	LIRR BAY RIDGE LINE	N	O-PED		6	C 4/16/2012	4.833	F	2,500	\$10,000,000	316		
2243920	к	7TH AVE	NYCTA BMT YARD	т	0		2	S 9/10/2012	6.042	VG	4,700	\$18,800,000	307		
2243940	к	9TH AVE	NYCTA IND SBWY	т	0		5	S 8/19/2011	4.737	F	6,300	\$25,200,000	312		
2244010	к	EAST DR (ENDALE ARCH)	PED PATH NR GRND ARMY PLZ		0	Р	1	C 5/15/2012	4.833	F	1,533	\$6,132,000	355		
2244020	к	WEST DR (MEADOWPORT ARCH)	PED PATH NR GRND ARMY PLZ		0	Р	1	S 4/26/2011	5.321	G	2,500	\$10,000,000	355		
2244030	к	EAST DRIVE	BRIDLE PATH NR ZOO		0	Р	1	S 4/27/2011	4.878	F	2,000	\$8,000,000	355		
2244040	к	EAST DR (EAST WOOD ARCH)	PED PATH NR CENTER DR		0	Р	1	C 6/27/2012	4.067	F	1,066	\$4,262,400	355		
2244050	к	CENTER DR (NETHERMEAD ARCHES)	PED PATH & STREAM		wo	Р	3	S 5/9/2011	5.000	G	7,400	\$29,600,000	355		
2244060	к	HILL DR (CLEFT RIDGE SPAN)	PED PATH SO OF BOATHOUSE		0	Р	1	C 5/2/2012	4.433	F	750	\$3,000,000	355		
2244100	к	WEST FOOTBRIDGE	PROSPCT PK STREAM		WO-PED	Р	1	C 12/19/2011	4.875	F	3,200	\$12,800,000	355		
2244120	к	HILL DR (TERRACE BRDG)	PROSPECT PK LAKE		wo	Р	3	S 8/22/2012	3.364	F	7,800	\$31,200,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD:	2 CD3
2244130	к	PED NR BOATHSE (LULLWATER BRDG)	PROSPECT PK LAKE		WO-PED	Р	1	C 9/16/2011	4.898	F	1,000	\$4,000,000	355		
2244150	к	RIDGE BLVD	SHORE RD DRIVE		0		1	S 5/24/2011	6.667	VG	4,350	\$17,400,000	310		
2244160	к	3RD AVE	SHORE RD DRIVE		0		1	S 5/24/2011	6.727	VG	4,360	\$17,440,000	310		
2244170	к	ATLNTC AV SVC RD E.B.	EAST NEW YORK AVE		0		2	S 7/20/2011	5.474	G	3,192	\$12,768,000	305		
2244180	к	ATLNTC AV SVC RD W.B.	EAST NEW YORK AVE		0		2	S 7/20/2011	4.965	F	5,600	\$22,400,000	305		
2244440	к	SOUTH OF TILLARY ST	NAVY ST		O-PED		1	C 8/7/2012	3.958	F	6,200	\$24,800,000	302		
2244460	к	CONDUIT BLVD NB	ATLANTIC AVE EB		0		1	S 10/8/2012	4.833	F	3,800	\$15,200,000	305		
2244470	к	SEELEY ST	PROSPECT AVE		0		1	S 5/4/2012	4.033	F	8,482	\$33,928,000	307		
2244480	к	5TH AVE	GREENWOOD CEMETERY		0		1	S 9/8/2011	4.667	F	3,600	\$14,400,000	307		
2245010	М	11TH AVE VIADUCT	LIRR WEST SIDE YARD	AL	o		39	S 12/28/2012	4.056	F	157,500	\$630,000,000	104		
224501B	М	W 33RD ST	AMTRAK 30 ST BRANCH	A	0		8	S 3/13/2012	4.458	F	16,500	\$66,000,000	104		
224501C	М	W 33RD ST	LAND ADJ TO AMTRAK	Α	0		2	S 6/14/2011	4.472	F	2,360	\$9,440,000	104		
224501D	М	W 34TH ST	AMTRAK 30 ST BRANCH	Α	0		4	S 6/6/2011	4.597	F	11,800	\$47,200,000	104		
224501E	М	W 35TH ST	AMTRAK 30 ST BRANCH	Α	0		3	S 11/16/2012	4.181	F	6,500	\$26,000,000	104		
224501F	М	W 36TH ST	AMTRAK 30 ST BRANCH	Α	0		7	S 11/16/2012	3.985	F	16,400	\$65,600,000	104		
2245040	М	MARGARET CORBIN DR	PED PATH NEAR CAFÉ		0	Р	1	C 6/29/2012	4.933	F	598	\$2,392,000	112	:	
2245050	М	MARGARET CORBIN DR	PED PATH NR NO ENTR		0	Р	1	C 6/29/2012	4.333	F	889	\$3,556,000	112	:	
2245060	М	W 37TH ST	AMTRAK 30 ST BRANCH	Α	0		3	S 12/8/2011	6.190	VG	7,505	\$30,020,000	104		
2245070	М	W 38TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 6/15/2012	4.135	F	6,200	\$24,800,000	104		
2245080	М	W 39TH ST	AMTRAK 30 ST BRANCH	Α	0		3	S 6/15/2012	4.173	F	6,300	\$25,200,000	104		
2245090	М	W 43RD ST	AMTRAK 30 ST BRANCH	Α	0		2	S 4/16/2012	4.662	F	4,140	\$16,560,000	104		
2245100	М	W 44TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 4/16/2012	4.662	F	4,300	\$17,200,000	104		
2245110	М	W 45TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 4/16/2012	5.397	G	4,100	\$16,400,000	104		
2245120	М	W 46TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/4/2012	4.500	F	4,100	\$16,400,000	104		
2245130	М	W 47TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/4/2012	4.721	F	4,100	\$16,400,000	104		
2245140	М	W 48TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/7/2012	4.618	F	4,100	\$16,400,000	104		
2245150	М	W 49TH ST	AMTRAK 30 ST BRANCH	А	0		3	S 5/7/2012	4.426	F	4,100	\$16,400,000	104		
2245160	М	W 51ST ST	AMTRAK 30 ST BRANCH	А	0		2	S 5/11/2012	4.912	F	4,300	\$17,200,000	104		
2245170	М	W 52ND ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/29/2012	5.265	G	4,300	\$17,200,000	104		
2245180	М	W 53RD ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/29/2012	5.221	G	5,100	\$20,400,000	104		
2245190	М	W 58TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/25/2012	4.765	F	4,100	\$16,400,000	104		
2245209	М	11TH AVE	AMTRAK 30 ST BRANCH	Α	0		2	S 6/4/2012	4.471	F	15,400	\$61,600,000	104		
2245210	М	W 42ND ST	AMTRAK 30 ST BRANCH	Α	0		4	S 7/2/2012	4.651	F	10,300	\$41,200,000	104		
2245220	М	W 57TH ST	AMTRAK 30 ST BRANCH	Α	0		3	S 5/25/2012	4.853	F	9,100	\$36,400,000	104		
2245230	М	W 148TH ST PED BRDG	AMTRAK 30 ST BRANCH	Α	O-PED	Р	3	C 4/17/2012	4.200	F	1,100	\$4,400,000	109		
2245250	м	W 158TH ST	AMTRAK 30 ST BRANCH	Α	0		7	S 12/7/2011	6.125	VG	29,170	\$116,680,000	112		
2245260	М	W 173RD ST PED BRDG	AMTRAK 30 ST BRANCH	Α	O-PED	Р	2	C 4/13/2012	4.533	F	1,500	\$6,000,000	112	:	
2245290	м	W 155TH ST PED BRDG	AMTRAK 30 ST BRANCH	Α	O-PED		3	C 1/27/2012	3.862	F	800	\$3,200,000	109	112	2
2245300	м	INWOOD HILL PK FTBR	AMTRAK 30 ST BRANCH	Α	O-PED	Р	6	C 2/9/2012	4.100	F	700	\$2,800,000	112	:	
2245319	м	E 97TH ST	METRO NORTH MAIN LN	м	0		1	S 12/7/2012	4.647	F	3,200	\$12,800,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2 C	CD3
2245330	М	W 41ST ST	AMTRAK 30 ST BRANCH	Α	0		3	s	6/12/2012	4.508	F	6,200	\$24,800,000	104	Ш	
2245340	М	W 50TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	5/11/2012	4.471	F	4,100	\$16,400,000	104	Ш	
2245350	М	W 54TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	5/22/2012	5.476	G	4,700	\$18,800,000	104		
2245360	М	W 55TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	5/22/2012	5.529	G	4,300	\$17,200,000	104		
2245370	М	W 56TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	6/4/2012	5.706	G	4,400	\$17,600,000	104		
2245380	М	TRANSVERSE RD #1 WB	PED PATH OPP E 66TH ST		0	P	1	s	1/6/2012	5.000	G	1,500	\$6,000,000	164		
2245420	М	W 65TH ST ENTR EB	BRIDLE PATH W END		0	Р	1	s	1/17/2012	5.100	G	1,300	\$5,200,000	164		
2245440	М	W 40TH ST	AMTRAK 30 ST BRANCH	Α	0		4	s	6/18/2012	4.162	F	9,400	\$37,600,000	104		
2245460	М	PARK AVE S.B.	E 45TH ST		0		1	s	5/25/2012	4.514	F	2,400	\$9,600,000	105		
2245470	м	PARK AVE N.B	E 45TH ST		0		1	s	5/30/2012	4.865	F	2,400	\$9,600,000	105		
2245480	М	TO GWB OPP W 171ST ST	RIVERSIDE DRIVE		0		1	s	2/8/2012	4.524	F	10,773	\$43,092,000	112		
2246000	м	WEST DR (GREYSHOT ARCH)	PED BET 61ST & 62ST		0	P	1	s	1/10/2012	5.400	G	2,500	\$10,000,000	164		
2246010	м	W 62 ST PED BRDG (PINEBANK ARCH)	BRIDLE PATH		O-PED	Р	1	O	7/27/2012	4.262	F	1,000	\$4,000,000	164		
2246030	м	E 62 ST PED BRDG (GAPSTOW BRDG)	THE POND		O-PED	Р	1	С	5/25/2012	3.897	F	1,400	\$5,600,000	164		
2246040	м	EAST DR (INSCOPE ARCH)	PED PATH OPP E 62 ST		0	Р	1	С	4/4/2012	4.400	F	1,515	\$6,060,000	164		
2246050	м	CENTER DR (DRIPROCK ARCH)	PED OPP 63RD ST		0	Р	1	s	1/11/2012	4.867	F	1,725	\$6,900,000	164		
2246069	м	EAST DR (GREEN GAP ARCH)	PED BET E 63ST & E 64ST		0	Р	1	s	1/18/2012	4.433	F	2,075	\$8,300,000	164		
2246070	м	CENTER DR (PLAYMATES ARCH)	PED PATH OPP 65TH ST		0	Р	1	С	6/27/2012	4.367	F	1,129	\$4,516,000	164		
2246080	М	WEST DR (DALEHEAD ARCH)	BRIDLE OPP W 64TH ST		0	Р	1	s	1/5/2012	4.667	F	2,000	\$8,000,000	164		
2246090	м	PED BRDG OPP 65 ST	TRANSVERSE RD #1		O-PED	Р	1	С	7/17/2012	4.655	F	2,300	\$9,200,000	164		
2246100	М	CENTER DRIVE	TRANSVERSE RD #1		0	Р	1	s	2/3/2012	4.333	F	6,000	\$24,000,000	164		
2246110	м	EAST DRIVE	TRANSVERSE RD #1		0	Р	1	s	3/23/2012	4.667	F	6,000	\$24,000,000	164		
2246120	м	WEST DRIVE	TRANSVERSE RD #1		0	Р	1	s	3/28/2012	4.967	F	7,900	\$31,600,000	164		
2246130	М	EAST DR (WILLOWDELL ARCH)	PED PATH OPP E 67TH ST		0	Р	1	С	4/25/2012	3.395	F	666	\$2,665,600	164		
2246140	м	W 72 ST ENTR (RIFTSTONE ARCH)	BRIDLE PATH		0	Р	1	s	1/9/2012	4.600	F	3,600	\$14,400,000	164		
2246150	м	72 ST CROSS DR (TERRACE BRDG)	PED PATH TO FOUNTAIN		0	Р	3	s	3/1/2012	5.786	G	7,300	\$29,200,000	164		
2246160	м	73 ST PED BRDG (BOW BRIDGE)	THE LAKE		WO-PED	Р	1	С	5/25/2012	4.244	F	1,700	\$6,800,000	164		
2246170	м	EAST DR (TREFOIL ARCH)	PED PATH OPP E 73RD ST		0	Р	1	s	1/30/2012	5.130	G	1,900	\$7,600,000	164		
2246230	м	EAST DRIVE	TRANSVERSE RD #2		0	Р	1	s	3/21/2012	4.600	F	5,080	\$20,320,000	164		
2246240	м	WEST DRIVE	TRANSVERSE RD #2		0	Р	1	s	3/22/2012	4.167	F	7,200	\$28,800,000	164		
2246250	М	EAST DRIVE	TRANSVERSE RD #3		0	Р	1	s	1/18/2012	4.433	F	4,500	\$18,000,000	164		
2246260	м	WEST DRIVE	TRANSVERSE RD #3		0	Р	1	s	3/22/2012	4.933	F	5,100	\$20,400,000	164		\neg
2246270	м	EAST DRIVE	TRANSVERSE RD #4		0	Р	1	s	3/23/2012	4.100	F	7,000	\$28,000,000	164		
2246280	м	WEST DRIVE	TRANSVERSE RD #4		0	P	1	s	3/26/2012	4.300	F	4,700	\$18,800,000	164		\exists
2246320	м	W77 ST PED (OAK BRDG)	THE LAKE		WO-PED	P	3	С	12/20/2011	6.684	VG	919	\$3,676,000	164		
2246330	м	WEST DR (BALCONY BRDG)	STREAM TO THE LAKE		wo	P	1	s	1/16/2012	5.000	G	1,817	\$7,268,000	164		\neg
2246340	м	W77 ST PED (LADIES POND BRDG)	STREAM TO THE LAKE		WO-PED	P	3	С	12/3/2012	4.355	F	500	\$2,000,000	164		
2246350	м	EAST DR (GREYWACKE ARCH)	PED PATH OPP E 80TH ST		0	Р	1	С	5/4/2012	3.733	F	1,266	\$5,064,000	164		
2246360	м	WEST DR (WINTERDALE ARCH)	PED PATH OPP W 82 ST		0	Р	1	s	1/17/2012	5.273	G	2,502	\$10,008,000	164		\Box
2246380	м	W86 ST PED (SW RESERVOIR BRDG)	BRIDLE PATH		O-PED	Р	1	С	11/30/2012	4.852	F	700	\$2,800,000			\exists

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2246390	М	E86 ST PED (SE RESERVOIR BRDG)	BRIDLE PATH		O-PED	P	3	С	10/31/2011	4.509	F	1,100	\$4,400,000	164	<u> </u>	
2246400	М	PED PATH OPP E79 ST	TRANSVERSE RD #2		O-PED	P	1	С	8/15/2012	4.233	F	3,700	\$14,800,000	164		
2246410	М	TRNSVRS RD 1 EB (DENESMOUTH ARCH)	PED PATH OPP E 65TH ST		0	P	1	s	1/30/2012	4.636	F	1,739	\$6,956,000	164		
2246430	М	W110 ST ENTR (MOUNTCLIFF ARCH)	PED PATH OPP W109 ST		0	P	1	s	2/13/2012	4.383	F	1,200	\$4,800,000	164		
2246440	М	79 TH ST PED BRDG	TRANSVERSE RD #2		O-PED	P	1	С	8/9/2012	3.926	F	5,900	\$23,600,000	164		
2246450	м	E77 ST PED (GLADE ARCH)	PED PATH OPP E77 ST		O-PED	Р	1	С	1/24/2012	4.138	F	5,000	\$20,000,000	164		
2246460	м	W77 ST ENTR (EAGLEVALE ARCH)	PED PATH OPP W77 ST		0	P	2	s	1/10/2012	4.263	F	3,066	\$12,264,000	164		
2246470	М	EAST DR (HUDDLESTONE ARCH)	THE LOCH		wo	Р	1	s	1/26/2012	4.500	F	1,100	\$4,400,000	164		
2246489	М	W 181 ST	RAMP TO WASH BR		0		1	s	2/7/2012	5.333	G	8,200	\$32,800,000	112		
2246490	М	A.C. POWELL BLVD N.B.	A.C. POWELL BLVD		0		1	s	2/1/2012	4.367	F	3,000	\$12,000,000	110		
2246500	М	FORT TRYON PLACE	ENTR FROM RIVERSIDE DR		0	Р	1	s	2/8/2012	4.200	F	3,280	\$13,120,000	112		
2246510	м	CORBIN PL OVERPASS	CORBIN PLACE		0	Р	1	s	1/9/2012	5.000	G	2,223	\$8,892,000	112		
2246540	м	E 34TH ST	PARK AVE TUNNEL		ОТ		1	s	9/13/2012	4.117	F	36,200	\$144,800,000	105	106	
2246550	м	PARK AVE VIADUCT	E 42ND ST		0		10	s	12/14/2012	4.478	F	22,150	\$88,600,000			
2246560	м	TUDOR CITY PLACE	E 42ND ST		0		1	s	1/25/2012	5.133	G	6,600	\$26,400,000			
2246570	м	E42ND ST - E47TH ST	FIRST AVE TUNNEL		от		2	s	5/22/2012	4.882	F	95,000	\$380,000,000	106		
2246580	ВМ	HIGH BRIDGE PDOVP	I87 - HARLEM RIVER	м	WA-PED	Р	11	Р	8/12/2002	3.759	F	34,100	\$136,400,000	112	204	
2246600	м	W 176TH ST PED BRDG	APPROACH TO G.W.B.		O-PED		1	С	3/30/2012	4.172	F	1,200	\$4,800,000	112		
2246620	м	W 128TH ST PED BRDG	3RD AVE BRDG APPR		O-PED		18	С	8/11/2011	3.791	F	2,300		111		
2246660	м	RIVERSIDE DRIVE	W125TH ST - W134TH ST		0		27	s	7/15/2011	4.306	F	148,300	\$593,200,000			
2246670	м	W 134 ST	TERRAIN		0		4	s	7/13/2011	4.833	F	7,500		109		
2246690	м	ISHAM PK VEHICULR	HARLEM RIVER INLET		0	Р	1	s	5/4/2012	6.261	VG	911	\$3.644,000		— 	
2246700	м	ISHAM PK PED BRDG	HARLEM RV INLET		WO-PED	Р	1	С	1/6/2012	3.552	F	300	\$1,200,000	112		
2246710	м	W 153 ST	A.C. POWELL BLVD		0		1	s	2/1/2012	4.611	F	3.082	\$12,328,000		— 	
2246720	м	RIVERSIDE DRIVE	W 158TH ST - AMTRAK	А	0		77	s	12/14/2011	3.472	F	185,658	\$742,632,000		112	
2246970	м	RIVERSIDE DRIVE	W 96TH ST		0		3	s	5/18/2011	5.471	G	10,600		107	\vdash	
2246980	м	RIVERSIDE DRIVE	W 138TH ST		0		1	s	1/19/2012	4.900	F	6,700		109	\vdash	
2246990	м	E 129TH ST PED BRDG	3RD AVE BRDG RAMP		O-PED		5	С	10/5/2012	4.095	F	1,046	\$4,184,000	-	\vdash	
2247020	Q	94TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		5	С	4/9/2012	4.091	F	500	\$2,000,000		\vdash	
2247040	0	UNION ST	LIRR PORT WASH BR	L	0		1	s	9/12/2011	6.234	VG	3,313	\$13,252,000		\vdash	
2247050	Q	BOWNE AVE	LIRR PORT WASH BR	L	0		1	s	10/4/2012	5.333	G	4,974	\$19,896,000		\vdash	
2247060		PARSONS BLVD	LIRR PORT WASH BR	L	0		1	s	10/5/2012	4.824	F	4,200	\$16,800,000			
2247070	Q	147TH ST	LIRR PORT WASH BR	L	0		1	s	9/13/2011	5.471	G	2,800	\$11,200,000			
2247080	Q	149TH ST	LIRR PORT WASH BR	L	0		1	s	12/10/2012	4.776	F	4,100	\$16,400,000			
2247090	Q	149TH PLACE	LIRR PORT WASH BR	L	0		2	s	9/13/2011	5.000	G	4,300	\$17,200,000		=	\exists
2247090	Q	150TH ST	LIRR PORT WASH BR	L	0		2	s	9/13/2011	6.029	VG	7,830	\$17,200,000		 	\dashv
				L	0		1	s	9/13/2011		G				 	\dashv
2247110		MURRAY ST	LIRR PORT WASH BR	L	0		1			5.370		4,000		407	\dashv	\dashv
2247120		WOODSIDE AVE	LIRR MAIN LINE				3	s	10/16/2012	4.444	F	14,900	\$59,600,000		\dashv	\dashv
2247130		CORPORAL KENNEDY ST BELL BLVD	LIRR PORT WASH BR	L	0		1	S	9/14/2011	6.235 5.780	VG G	3,379 4.320	\$13,516,000 \$17,280,000		 	\dashv

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2247150	Q	65TH ST	LIRR MAIN LINE	L	0		3	s	10/17/2011	6.375	VG	6,344	\$25,376,000	402		
2247160	Q	65TH PLACE	LIRR MAIN LINE	L	0		3	s	10/20/2011	6.441	VG	8,381	\$33,524,000	402		
2247170	Q	DOUGLASTON PKWY	LIRR PORT WASH BR	L	0		3	s	10/19/2012	4.746	F	6,300	\$25,200,000	411		
2247180	Q	GRAND AVE	LIRR MAIN LINE	L	0		3	s	10/24/2012	4.396	F	7,415	\$29,660,000	404		
2247190	Q	55TH AVE PED BRDG	LIRR MAIN LINE	L	O-PED		3	С	4/3/2012	4.240	F	13,000	\$52,000,000	404		
2247220	Q	80TH ROAD	LIRR MAIN LINE	L	0		3	s	9/29/2011	4.857	F	4,100	\$16,400,000	409		
2247230	Q	82ND AVE	LIRR MAIN LINE	L	0		3	s	9/21/2011	5.377	G	4,100	\$16,400,000	409		
2247240	Q	LEFFERTS BLVD	LIRR MAIN LINE	L	0		3	s	9/29/2011	5.806	G	5,460	\$21,840,000	409		
2247260	Q	JACKSON AVE	LIRR MONTAUK DIV	L	0		1	s	10/22/2012	6.117	VG	4,517	\$18,068,000	402		
2247270	Q	21ST ST	LIRR N SIDE DIV	L	0		6	s	11/14/2011	5.153	G	17,590	\$70,360,000	402		
2247290	Q	49TH AVE	LIRR,AMTRAK	L	0		5	s	12/3/2012	4.014	F	20,400	\$81,600,000	402		
2247300	Q	THOMPSON AVE	AMTRAK & LIRR YARD	AL	0		14	s	12/6/2012	5.042	G	61,280	\$245,120,000	402		
2247310	Q	QUEENS BLVD	AMTRAK & LIRR YARD	AL	0		19	s	12/6/2012	6.268	VG	92,400	\$369,600,000	402	401	
2247320	Q	HONEYWELL ST	AMTRAK & LIRR YARD	AL	0		22	s	11/4/2011	5.903	G	99,036	\$396,144,000	402	401	
2247330	Q	39TH ST (NORTH)	SUNNYSIDE YARD	Α	0		14	s	10/31/2011	6.556	VG	48,200	\$192,800,000	402	401	
2247370	Q	37TH AVE	CSX - HELLGATE	С	0		1	s	8/29/2011	6.234	VG	6,868	\$27,472,000	402		
2247380	Q	ROOSEVELT AVE	CSX - HELLGATE	С	0		2	s	8/30/2011	6.333	VG	7,380	\$29,520,000	402	403	404
2247390	Q	41ST AVE	CSX - HELLGATE	С	0		2	s	9/8/2011	4.942	F	4,400	\$17,600,000	402	404	
2247400	Q	WOODSIDE AVE	CSX TRANSPORT	С	0		1	s	9/8/2011	5.033	G	8,200	\$32,800,000	402	404	
2247410	Q	43RD AVE	CSX TRANSPORT	С	0		1	s	9/8/2011	5.000	G	4,800	\$19,200,000	402	404	
2247420	Q	44TH AVE	CSX TRANSPORT	С	0		1	s	9/6/2011	5.000	G	5,100	\$20,400,000	402	404	
2247430	Q	45TH AVE	CSX TRANSPORT	С	0		1	s	9/9/2011	5.306	G	2,400	\$9,600,000	402	404	
2247440	Q	GRAND AVE	CSX TRANSPORT	С	0		1	s	9/9/2011	6.183	VG	3,280	\$13,120,000	405		
2247450	Q	57TH AVE	CSX TRANSPORT	С	0		1	s	9/9/2011	6.073	VG	2,248	\$8,992,000	405		
2247460	Q	CALDWELL AVE	CSX TRANSPORT	С	0		1	s	12/17/2012	5.889	G	2,243	\$8,972,000	405		
2247470	Q	ELIOT AVE	CSX TRANSPORT	С	0		1	s	10/4/2011	5.083	G	2,960	\$11,840,000	405		
2247480	Q	JUNIPER BLVD SO	CSX TRANSPORT	С	0		1	s	10/5/2011	5.000	G	9,000	\$36,000,000	405		
2247490	Q	69TH STREET	CSX TRANSPORT	С	0		1	s	12/17/2012	4.979	F	6,175	\$24,700,000	405		
2247500	Q	METROPOLITAN AVE	CSX TRANSPORT	С	0		1	s	10/5/2011	4.233	F	18,650	\$74,600,000	405		
2247530	Q	ANDREWS AVE	LIRR MONTAUK DIV	L	0		1	s	9/22/2011	7.000	VG	1,765	\$7,060,000	405		
2247540	Q	60TH ST	LIRR MONTAUK DIV	L	0		2	s	10/5/2011	5.208	G	5,340	\$21,360,000	405		
2247550	Q	ELIOT AVE	LIRR MONTAUK DIV	L	0		2	s	9/19/2011	5.712	G	9,550	\$38,200,000	405		
2247570	Q	80TH ST	77TH AVE - LIRR MT	L	0		5	s	11/27/2012	5.102	G	11,725	\$46,900,000	405		
2247590	Q	FOREST PARK DRIVE	LIRR MONTAUK DIV	L	0	P	5	s	10/1/2012	5.158	G	6,000	\$24,000,000	409	Ш	
2247600	Q	PARK LANE SOUTH	LIRR MONTAUK DIV	L	0		1	s	10/18/2012	6.983	VG	3,024	\$12,096,000	409	482	
2247620	Q	MYRTLE AVE	ABANDONED LIRR		0		3	s	1/6/2012	5.028	G	6,725	\$26,900,000	482	406	
2247630	Q	PED BRG NEAR UNION TPK	ABANDONED LIRR		O-PED		8	С	8/30/2012	5.077	G	1,449	\$5,796,000	406	Ш	
2247640	Q	зэтн st (south)	AMTRAK & LIRR YARD	AL	0		9	s	10/28/2011	6.014	VG	34,100	\$136,400,000	402		
2247650	Q	60TH RD PED BRDG	LIRR MAIN LINE	L	O-PED		3	С	3/7/2012	4.786	F	2,293	\$9,172,000	405	406	
2247660	Q	FOREST PARK DRIVE	ABANDONED LIRR		0	Р	6	s	2/23/2012	4.524	F	10,000	\$40,000,000	409		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD CD2	CD3
2247680	Q	221ST ST	LIRR PORT WASH BR	L	0		3	s	9/14/2011	5.926	G	6,050	\$24,200,000	411	
2248019	Q	WOODHAVEN BLVD	ATLANTIC AVE		0		3	s	4/5/2012	4.236	F	19,400	\$77,600,000	409	
2248020	Q	WHITELAW PED BRDG	CONDUIT AVE		O-PED		7	С	9/28/2012	4.775	F	5,500	\$22,000,000	410	
2248039	Q	CROSS BAY BLVD	NASSAU EXPWY - RTE 27		0		2	s	6/23/2011	6.347	VG	16,544	\$66,176,000	410	
2248040	Q	RAMP TO LINDEN BLVD	SO. CONDUIT AVE		0		1	s	5/30/2012	5.200	G	3,352	\$13,408,000	410	
2248059	Q	MOTOR PKWY (PED)	FRANCIS LEWIS BLVD		O-PED	P	2	С	6/14/2012	4.194	F	2,800	\$11,200,000	408	
2248060	Q	MOTOR PKWY (PED)	BELL BLVD		O-PED	P	2	С	6/22/2012	4.208	F	2,650	\$10,600,000	411	
2248070	Q	MOTOR PKWY (PED)	SPRINGFIELD BLVD		O-PED	Р	3	С	6/5/2012	3.582	F	2,900	\$11,600,000	411	
2248080	Q	MOTOR PKWY (PED)	HOLLIS COURT BLVD		O-PED	Р	3	С	11/21/2012	4.612	F	2,700	\$10,800,000	408	
2248090	Q	FLSHG MDW PK PED	COLLEGE POINT BLVD		O-PED	Р	3	С	2/23/2012	4.694	F	8,400	\$33,600,000	407	
2248100	Q	MOTOR PKWY (PED)	73RD AVE		O-PED	Р	3	С	2/2/2012	4.541	F	2,600	\$10,400,000	408	
2248110	Q	MOTOR PKWY (PED)	ALLEY PK PED WALK		O-PED	Р	1	С	6/7/2012	3.983	F	1,000	\$4,000,000	413	
2248129	Q	UNION TPKE	CREEDMOORE HOSP RD		0		1	s	6/24/2011	4.867	F	3,500	\$14,000,000	413	
2248130	Q	FLUSHING MEADOW PK PED	WILLOW LK&76TH RD		WO-PED	Р	4	С	4/20/2002	1.000	С	1,891	\$7,564,000	481	
2248140	Q	FLUSHING MEADW PK RD	STREAM N OF LIE		wo	Р	5	s	8/19/2011	4.481	F	4,100	\$16,400,000	481	
2248159	Q	WOODHAVEN BLVD	QUEENS BLVD		0		2	s	8/7/2012	4.275	F	11,500	\$46,000,000	404	
2248160	Q	ELLIOT AVE	QUEENS BLVD		0		2	s	8/7/2012	4.804	F	13,785	\$55,140,000	406	
2248200	Q	RUST ST	FLUSHING AVE		0		1	s	7/13/2011	5.000	G	2,940	\$11,760,000	405	
2248220	Q	SERVICE RD TURNAROUND	FLUSHING AVE		0		1	s	7/13/2011	5.078	G	2,940	\$11,760,000	405	
2248230	Q	BEACH CHANNEL DR WB	BEACH CHANNEL DR EB		0		1	s	7/13/2011	4.400	F	3,600	\$14,400,000	484	
2248240	Q	FLUSHING AV SERVICE RD	FLUSHING AVE		0		1	s	7/12/2011	5.250	G	2,940	\$11,760,000	405	
2248250	Q	102ND ST	HAWTREE BASIN		wo		3	s	8/15/2011	5.941	G	4,900	\$19,600,000	410	
2248260	Q	FLUSHING MDW PARK RD	MEADOW LAKE		wo	Р	5	s	5/22/2012	4.458	F	4,200	\$16,800,000	481	
2248280	Q	HIGHLAND PK PED.	PEDESTRIAN PATH		O-PED	Р	1	С	10/1/2012	3.667	F	1,900	\$7,600,000	405	
2248299	Q	J.R. PKWY-UNION TPKE	AUSTIN ST		0		1	s	5/30/2012	4.806	F	5,900	\$23,600,000	409 406	
2248300	Q	71ST AVE	COOPER AVE		0		1	s	7/12/2011	4.373	F	2,800	\$11,200,000	405	
2248340	Q	FOREST PARK DR	MYRTLE AVE		0	Р	3	s	6/13/2011	4.984	F	5,100	\$20,400,000	409	
2248369	Q	ROCKAWAY BLVD	THURSTON BASIN		wo		2	s	8/17/2011	5.474	G	6,000	\$24,000,000	483 413	
2248379	Q	FLUSHING MDW PARK RD	AQUACADE LAKE		wo	Р	5	s	8/19/2011	4.296	F	6,300	\$25,200,000	481	
2249040	R	TOMPKINS AVE	B&O RR (ABANDONED)		0		1	s	5/9/2012	5.953	G	5,096	\$20,384,000	501	
2249070	R	JOHN ST	B&O RR (ABANDONED)	o	O-PED		2	С	8/30/2012	5.620	G	1,050	\$4,200,000	501	
2249090	R	MORNINGSTAR ROAD	B&O RR (ABANDONED)	О	0		4	s	5/3/2012	4.864	F	7,900	\$31,600,000	501	
2249100	R	GRANITE AVE	B&O RR (ABANDONED)	О	0		4	s	3/13/2012	6.034	VG	7,300	\$29,200,000	501	
2249110	R	LAKE AVE	B&O RR (ABANDONED)	0	0		3	s	5/1/2012	5.333	G	5,900	\$23,600,000	501	
2249120	R	SIMONSON AVE	B&O RR (ABANDONED)	0	0		3	s	4/26/2011	5.963	G	5,819	\$23,276,000	501	
2249130	R	VAN NAME AVE	B&O RR (ABANDONED)	О	0		3	s	7/3/2012	5.186	G	5,474	\$21,896,000	501	
2249140	R	VAN PELT AVE	B&O RR (ABANDONED)	0	0		3	s	4/28/2011	5.576	G	5,000	\$20,000,000	501	
2249160	R	DE HART AVE	B&O RR (ABANDONED)	0	0		4	s	4/27/2011	6.389	VG	6,700	\$26,800,000	501	
2249170	R	UNION AVE	B&O RR (ABANDONED)	О	0		4	s	4/29/2011	5.167	G	6,500	\$26,000,000	501	
2249180	R	HARBOR ROAD	B&O RR (ABANDONED)	О	0		4	s	8/20/2011	6.220	VG	5,778	\$23,112,000	501	\neg

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	spection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD	2 CD3
2249200	R	SOUTH AVE	B&O RR (ABANDONED)	0	0		3	s	8/20/2011	6.709	VG	8,322	\$33,288,000	501	1	
2249210	R	MAIN ST PED BRDG	SIRT SOUTH SHORE	s	O-PED		9	С	7/24/2012	4.123	F	400	\$1,600,000	503	3	
2249230	R	TRACY AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		9	С	7/19/2012	3.553	F	635	\$2,540,000	503	3	
2249240	R	ARTHUR KILL ROAD	SIRT SOUTH SHORE	s	0		1	s	10/22/2012	4.648	F	3,650	\$14,600,000	503	3	
2249250	R	BETHEL AV PED BRDG	SIRT SOUTH SHORE	s	O-PED		12	С	7/20/2012	3.525	F	111	\$444,000	503	3	
2249269	R	PAGE AVE	SIRT SOUTH SHORE	s	0		4	s	8/25/2011	5.889	G	30,710	\$122,840,000	503	3	
2249270	R	RICHMOND VALLY ROAD	SIRT SOUTH SHORE	s	0		4	s	8/23/2011	5.284	G	9,440	\$37,760,000	503	3	
2249280	R	CHAMP COURT PED BRDG	SIRT SOUTH SHORE	s	O-PED		7	С	7/20/2012	4.036	F	595	\$2,380,000	503	3	
2249290	R	SEGUINE AVE	SIRT SOUTH SHORE	s	0		1	s	9/26/2011	6.016	VG	3,250	\$13,000,000	503	3	
2249300	R	HUGUENOT AVE	SIRT SOUTH SHORE	s	0		2	s	10/3/2011	4.788	F	4,900	\$19,600,000	503	3	
2249320	R	ALBEE AVE	SIRT SOUTH SHORE	s	0		3	s	10/4/2011	4.492	F	6,500	\$26,000,000	503	3	
2249330	R	ANNADALE ROAD	SIRT SOUTH SHORE	s	0		1	s	8/17/2011	6.433	VG	3,540	\$14,160,000	503	3	
2249350	R	NELSON AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		3	С	7/25/2012	4.115	F	300	\$1,200,000	503	3	
2249360	R	GIFFORDS LANE	SIRT SOUTH SHORE	s	o		1	s	10/23/2012	5.531	G	3,042	\$12,168,000	503	3	
2249370	R	GREAVES AVE	SIRT SOUTH SHORE	s	0		1	s	8/16/2011	6.550	VG	2,650	\$10,600,000	503	3	
2249380	R	GUYON AVE	SIRT SOUTH SHORE	s	О		3	s	9/9/2011	4.377	F	6,900	\$27,600,000	503	3	
2249390	R	CEDARVIEW AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		5	С	7/26/2012	3.615	F	625	\$2,500,000	503	3	
2249400	R	BEACH AVE	SIRT SOUTH SHORE	s	0		2	s	8/4/2011	5.364	G	3,700	\$14,800,000	502	2	
2249410	R	ROSS AVE	SIRT SOUTH SHORE	s	О		2	s	8/5/2011	5.379	G	3,800	\$15,200,000	502	2	
2249420	R	ROSE AVE	SIRT SOUTH SHORE	s	0		2	s	8/8/2011	5.409	G	3,800	\$15,200,000	502	2	
2249430	R	NEW DORP LANE	SIRT SOUTH SHORE	s	0		2	s	10/14/2011	4.847	F	7,600	\$30,400,000	502	2	
2249440	R	BANCROFT AVE	SIRT SOUTH SHORE	s	0		3	s	10/13/2011	5.328	G	5,900	\$23,600,000	502	2	
2249450	R	FREMONT AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		3	С	7/27/2012	3.618	F	800	\$3,200,000	502	2	
2249460	R	LINCOLN AVE	SIRT SOUTH SHORE	s	0		1	s	11/18/2011	5.172	G	4,500	\$18,000,000	502	2	
2249470	R	MIDLAND AVE	SIRT SOUTH SHORE	s	0		1	s	11/22/2011	5.466	G	3,000	\$12,000,000	502	2	
2249480	R	FINGERBOARD ROAD	SIRT SOUTH SHORE	s	0		2	s	10/5/2011	6.486	VG	5,100	\$20,400,000	502	2	
2249490	R	CLOVE ROAD	SIRT SOUTH SHORE	s	0		3	s	10/25/2012	5.917	G	5,104	\$20,416,000	502	2	
2249510	R	TOMPKINS AVE	WILLOW AVE, SIRT	s	0		2	s	10/24/2012	5.358	G	5,378	\$21,512,000	501		
2249520	R	HANNAH ST	SIRT SOUTH SHORE	s	0		10	s	9/22/2011	4.898	F	10,020	\$40,080,000	501	i	
2249530	R	MINTHORNE ST PED BRDG	SIRT SOUTH SHORE	s	O-PED		26	С	10/4/2012	4.453	F	6,000	\$24,000,000	501	i	
2249580	R	BELFIELD AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		5	С	10/5/2012	3.902	F	400	\$1,600,000	503	3	
2249710	R	WEST FOOTBRIDGE	CLOVE LAKE		WO-PED	Р	2	С	8/1/2011	4.086	F	900	\$3,600,000	501	ı 🗀	
2249720	R	EAST FOOTBRIDGE	CLOVE LAKE		WO-PED	Р	2	С	8/2/2011	4.229	F	900	\$3,600,000	501	i	\Box
2249730	R	BRIDGE OVER DAM	N.END CLOVE LAKE		WO-PED	Р	1	С	8/1/2011	3.351	F	1,000	\$4,000,000	501		
2249760	R	MARTLINGS AVE	RICHMOND LAKE DAM		wo		2	s	6/9/2011	4.600	F	7,000	\$28,000,000	501		
2249770	R	S OF BROOKS LAKE	STREAM IN PARK		WO-PED	Р	3	С	12/3/2012	4.946	F	700	\$2,800,000	501	ı	
2249780	R	FOOTBRIDGE	BROOKS LAKE DAM		WO-PED	P	1	С	5/24/2012	3.433	F	800	\$3,200,000	501		
2249790	R	FB S OF FOREST AV	STREAM IN PARK		WO-PED	P	3	С	10/5/2012	4.651	F	700	\$2,800,000	501		
2249800	R	FOREST AVE	CLOVE LAKES PK STREAM		wo	P	1	s	10/7/2011	4.567	F	1,600	\$6,400,000	501		
2249810	R	HYLAN BLVD	LEMON CREEK		wo		1	s	2/15/2012	6.313	VG	11,400	\$45,600,000	503	3	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2249820	R	ARTHUR KILL ROAD	ARTHUR KILL STREAM		wo		1	s	5/5/2011	4.184	F	1,300	\$5,200,000	503		
2249840	R	TOMPKINS AVE	GREENFIELD AVE		0		1	s	3/2/2012	5.021	G	2,690	\$10,760,000	501		
2249860	R	SLATER BLVD	NEW CREEK		wo		1	s	5/4/2011	5.510	G	2,037	\$8,148,000	502		
2249870	R	TRAVIS AVE	MAIN CREEK		wo		1	s	9/26/2011	5.483	G	1,700	\$6,800,000	502		
2249880	R	CHELSEA ROAD	SAWMILL CREEK		wo		1	s	5/6/2011	6.816	VG	2,205	\$8,820,000	502		
2257569	М	MILLER HIGHWAY	TERRAIN		A		64	s	10/22/2012	4.352	F	272,475	\$1,089,900,000	104	107	
2266129	Q	DOUGLASTON PKWY	BCIP SB		A		1	s	3/19/2012	4.592	F	4,400	\$17,600,000	411		
2266139	Q	DOUGLASTON PKWY	BCIP NB		A		1	s	3/20/2012	4.673	F	6,400	\$25,600,000	411		
2266149	Q	HEMPSTEAD AVE	BCIP RAMP NB		A		2	s	3/15/2012	3.937	F	9,500	\$38,000,000	413		
2266160	Q	678I SB TO BCIP EB	ACCESS RD FROM 678I		A		1	s	7/24/2012	3.734	F	2,300	\$9,200,000	407		
2266229	М	ннр	PED UNDERPASS @ 148 ST		A		1	s	2/2/2012	5.000	G	1,840	\$7,360,000	109		
2266230	м	ннр ив	PED UNDERPASS INWD PK		A		1	s	1/6/2012	5.000	G	800	\$3,200,000	112		
2266240	М	ннр ѕв	PED UNDERPASS INWD PK		A		1	s	1/6/2012	5.526	G	1,100	\$4,400,000	112		
2266540	В	2781	BRUCKNER BLVD		A		2	s	7/8/2011	4.371	F	32,900	\$131,600,000	201		
226672A	м	w 31ST ST	AMTRAK LAYUP TRACKS	Α	0		9	s	12/28/2012	3.619	F	8,800	\$35,200,000	104		
2266770	Q	BCIP	LAURELTON PKWY		A		1	s	3/8/2012	4.972	F	9,508	\$38,032,000	413		
2267130	М	RIVERSIDE DRIVE	W 145TH ST		0		1	s	5/12/2011	4.867	F	5,800	\$23,200,000	109		
2267160	Q	ROOSEVELT AVE	FLUSHING MDW PK ROAD		0		4	s	8/10/2011	4.746	F	7,280	\$29,120,000	408		
2267199	Q	FRANCIS LEWIS BLVD	CUNNINGHAM PK RD		0		1	s	5/27/2011	5.033	G	7,085	\$28,340,000	408		
2267240	м	HRD RAMP TO GWB	HARLEM RIVER DR SB		A		55	s	10/15/2012	3.014	F	122,900	\$491,600,000	112		
2267250	м	ннр	AMTRAK - W96TH ST	Α	A		55	s	12/5/2012	3.548	F	40,000	\$160,000,000	107		
2267380	м	WEST STREET	RECTOR ST		AT		1	s	11/15/2011	5.033	G	25,760	\$103,040,000	101		
2267717	м	79 ST PED PLAZA	79 ST BT BASIN GAR		A	Р	10	s	5/3/2011	4.593	F	27,400	\$109,600,000	107		
2267718	М	79 ST TRAFFIC CIRC	79 ST PED PLAZA		A	Р	34	s	5/11/2011	4.000	F	24,130	\$96,520,000	107		
226771A	М	79 ST RAMP TO HHP	79 ST BT BASIN GAR		AR	Р	4	s	5/9/2012	4.221	F	3,131	\$12,524,000	107		
226771B	М	79 ST RAMP TO GAR	79 ST BT BASIN GAR		AR	Р	21	s	5/22/2012	4.452	F	8,989	\$35,956,000	107		
226771C	м	GAR RAMP TO 79 ST	79 ST BT BASIN GAR		AR	Р	21	s	5/22/2012	4.435	F	9,095	\$36,380,000	107		
226771D	М	SB HHP RAMP TO 79 ST	79 ST BT BASIN GAR		AR	Р	4	s	5/9/2012	4.516	F	2,601	\$10,404,000	107		
2267860	к	BROOKLYN BR APPROACH	STORAGE (SANDS ST)		0		1	s	7/19/2012	4.411	F	6,490	\$25,960,000	302		
2268350	к	BROOKLYN PROMENADE	278I EB (BQE)		A-PED	Р	35	С	5/31/2012	3.690	F	46,184	\$184,736,000	302		
2268480	м	CHAMBERS ST PED BRDG	RTE 9A - WEST ST		O-PED		10	С	5/24/2012	5.167	G	7,481	\$29,924,000	101		
2268497	к	278I W.B. (B.Q.E.)	FURMAN ST		A		45	s	8/6/2011	4.357	F	86,406	\$345,624,000	302		
2268498	к	278I E.B. (B.Q.E.)	278I WB (BQE)		A		69	s	11/13/2011	3.965	F	133,708	\$534,832,000	302		
2268507	к	278I W.B. (B.Q.E.)	YORK ST		A		6	s	6/8/2011	4.071	F	10,388	\$41,552,000	302		
2268508	к	278I E.B. (B.Q.E.)	278I W.B. (B.Q.E.)		A		11	s	6/5/2011	4.103	F	20,529	\$82,116,000	302		
2268517	к	278I W.B. (B.Q.E.)	FURMAN ST		Α		7	s	6/28/2011	3.882	F	10,988	\$43,952,000	302		
2268518	к	278I E.B. (B.Q.E.)	278I W.B. (B.Q.E.)	Щ	A		5	s	6/9/2011	4.119	F	9,275	\$37,100,000	302		
2268650	м	FDR NB E42ND TO E49TH ST	EAST RIVER	Щ	A		119	s	10/28/2011	3.660	F	30,767	\$123,068,000	106		
2268760	м	PS-5 PED BRDG	TENTH AVE		O-PED		5	С	11/29/2012	4.816	F	1,285	\$5,140,000	112		
2268770	Q	SPRINGFIELD BLVD	EQUES. PATH (ABAND.)		0		1	s	6/3/2011	4.667	F	1,470	\$5,880,000	413		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2268920	R	AMBOY ROAD	LEMON CREEK		wo		1	s	2/15/2012	6.333	VG	1,310	\$5,240,000	503		
2268930	М	MORRIS ST PED BRDG	BKLN-BATTERY TUNN PLZ		A-PED		3	С	6/4/2012	3.764	F	1,200	\$4,800,000	101	L	
2269030	В	MATTHEWSON ROAD	MAC CRACKEN AVE		0		15	s	12/7/2012	4.316	F	14,880	\$59,520,000	205	L	
2269190	М	W 70TH ST	AMTRAK	Α	0		3	s	12/9/2011	5.597	G	17,258	\$69,032,000	107		
2269200	М	RIVERSIDE DRIVE SOUTH	AMTRAK	А	0		11	s	11/17/2011	6.069	VG	69,040	276,160,000.00	107	L	
2269210	М	W 68TH ST	AMTRAK	Α	0		3	s	12/12/2011	6.576	VG	5,382	\$21,528,000	107	L	
2269240	М	RIVERSIDE DRIVE	W. 155TH ST		0		1	s	5/10/2011	4.640	F	2,780	\$11,120,000	109	112	
2269260	к	W. 8TH ST PED BRDG	SURF AVE.		O-PED	Р	39	С	3/22/2012	3.629	F	14,742	\$58,968,000	313	L	
2269600	к	ERSKINE ST	вѕнр		A		1	s	8/20/2012	5.938	G	8,258	\$33,032,000	305	L	
2269730	R	PARKING EXIT RAMP	SIRT	s	0	F	10	s	11/30/2012	6.097	VG	20,727	\$82,908,000	501	L	
2269740	R	BUS STATION NORTH	SIRT	s	0	F	12	s	10/26/2012	4.660	F	64,605	\$258,420,000	501		
2269750	R	BUS STATION SOUTH	SIRT	s	0	F	12	s	11/14/2012	5.360	G	154,688	\$618,752,000	501	L	
2269760	R	NORTH RAMP	SIRT	s	0	F	9	s	11/30/2012	6.278	VG	17,589	\$70,356,000	501		
2269770	R	BUS STA ENTR RAMP	SIRT	s	0	F	19	s	11/26/2012	4.181	F	39,333	\$157,332,000	501	L	
2269780	R	PARKING ENTR RAMP	SIRT	s	0	F	3	s	11/12/2012	5.944	G	8,589	\$34,356,000	501		
2269790	R	BUS STATION EXIT RAMP	SIRT	s	0	F	7	s	10/22/2012	4.778	F	28,721	\$114,884,000	501	L	
2269820	М	E 81 ST PED BRDG	FDR DRIVE N.B.		A-PED	Р	3	С	5/15/2012	3.341	F	900	\$3,600,000	108	L	
2270030	В	E 156TH ST	ACCESS TO HOUSING		0	ED	16	s	12/14/2012	3.493	F	49,696	\$198,784,000	204	L	
2270170	R	SI FERRY PED BRDG	PARKING LOT EXIT RDWY		O-PED	F	5	С	6/17/2010	3.163	F	2,917	\$11,668,000	501	L	
2270180	R	BOROUGH PLACE - RAMP A	STATEN ISLAND RAILWAY	s	0	F	1	s	12/29/2005	4.938	F	1,250	\$5,000,000	501		
2270250	В	BROOKE AVE	CSX TRANS - PT MORRIS		0		1	s	3/22/2012	3.800	F	21,035	\$84,140,000	201		
2300130	Q	ROCKAWAY BLVD	HOOK CREEK		wo		3	s	8/17/2011	6.271	VG	18,302	\$73,208,000	413		
7703720	Q	216TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		6	С	3/13/2012	3.889	F	400	\$1,600,000	411		
7705510	Q	167TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		3	С	3/12/2012	3.902	F	600	\$2,400,000	407		
M00001	М	W191ST ST PED TNL	BROADWAY - IRT #1 SUBWAY		O-PED		1	С	12/10/2012	4.545	F	2,000	\$8,000,000	112		
M00003	М	HHP ON/OFF RMP-79TH ST SO. SIDE	PED PATH SO. OF 79TH ST		Α		1	С	6/6/2012	3.667	F	900	\$3,600,000	107		
M00004	М	HHP ON/OFF RMP-79TH ST NO. SIDE	PED PATH NO. OF 79TH ST		A		1	С	6/27/2012	5.000	G	900	\$3,600,000	107		
Q00002	Q	BCIP	PATH OPP. 88TH RD		A		1	С	6/8/2012	4.667	F	1,272	\$5,088,000	413		
787 OPEN BRII	DGES			OPEN	N SPANS 4,398					OPEN SF		14,533,529	\$ 58,141,680,000	ALL		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
224005B	В	TO BRUCKNER BLVD	RELIEF		OR		5	S 10/24/2011	6.746	VG	12,100	\$48,400,000	201		
224006A	В	FROM BRUCKNER BLVD	RELIEF		OR		5	S 9/28/2011	6.761	VG	14,037	\$56,148,000	201		
2241000	В	WESTCHESTER AVE	CSX TRANS - PT MORRIS	С	0		1	S 6/11/2012	4.660	F	1,740	\$6,960,000	201		
2241010	В	E 156TH STREET	CSX TRANS - PT MORRIS	С	0		1	S 6/18/2012	4.612	F	2,400	\$9,600,000	201		
2241040	В	THIRD AVE	CSX TRANS - PT MORRIS	С	0		1	S 7/25/2012	4.563	F	2,700	\$10,800,000	201	203	
2241050	В	E 149TH ST/JACKSON AVE	CSX TRANS - PT MORRIS	С	0		1	S 6/7/2012	4.850	F	65,000	\$260,000,000	201		
2241060	В	ST. MARYS & CONCORD	CSX TRANS - PT MORRIS	С	0		1	S 8/15/2012	5.370	G	4,500	\$18,000,000	201		
2241070	В	WALES AVE	CSX TRANS - PT MORRIS	С	0		1	S 8/8/2012	6.467	VG	2,535	\$10,140,000	201		
2241080	В	SOUTHERN BLVD	CSX TRANS - PT MORRIS	С	0		1	S 8/8/2012	4.093	F	3,900	\$15,600,000	201		
2241099	В	BRUCKNER BLVD	CSX TRANS - PT MORRIS	С	0		1	S 8/7/2012	6.450	VG	6,700	\$26,800,000	201		
2241129	В	E 149TH ST	AMTRAK - CSX	AC	0		2	S 10/8/2012	4.620	F	18,258	\$73,032,000	201	202	
2241550	В	E 144TH ST	METRO NORTH RR HAR	м	0		2	S 7/11/2011	6.264	VG	8,290	\$33,160,000	201		
2241560	В	E 149TH ST	METRO NORTH RR HAR	м	0		8	S 5/8/2012	4.819	F	27,900	\$111,600,000	201	204	
2242260	В	EAGLE AVE	E 161ST ST		0		1	S 2/10/2012	5.017	G	2,800	\$11,200,000	201	203	
2242299	В	GRAND CONCOURSE	E 138TH ST		0		1	S 5/25/2011	4.467	F	9,500	\$38,000,000	201		
2266540	В	2781	BRUCKNER BLVD		Α		2	S 7/8/2011	4.371	F	32,900	\$131,600,000	201		
2270250	В	BROOKE AVE	CSX TRANS - PT MORRIS		0		1	S 3/22/2012	3.800	F	21,035	\$84,140,000	201		
2066671	В	BRUCKNER EXPWY SB	BRONX RIVER		WMA		3	S 10/22/2011	5.278	G	12,400	\$49,600,000	202	209	
2066672	В	BRUCKNER EXPWY NB	BRONX RIVER		WMA		8	S 10/22/2011	4.269	F	22,300	\$89,200,000	202	209	
2075351	В	BRUCKNER EXPWY SB	AMTRAK - CSX	AC	Α		1	S 11/19/2012	6.032	VG	11,600	\$46,400,000	202		
2075352	В	BRUCKNER EXPWY NB	AMTRAK - CSX	AC	Α		1	S 11/19/2012	6.444	VG	10,900	\$43,600,000	202		
2076929	В	BRUCKNER EXPWY	CSX - HUNTS POINT	С	Α		1	S 9/15/2011	4.700	F	3,800	\$15,200,000	202		
2240180	В	WESTCHESTER AVE	BRONX RIVER		wo		1	S 9/16/2011	4.608	F	5,476	\$21,904,000	202	209	
2241139	В	LEGGETT AVE	AMTRAK - CSX	AC	0		3	S 10/8/2012	4.620	F	41,551	\$166,204,000	202		
2241159	В	LONGWOOD AVE	AMTRAK - CSX	AC	0		2	S 10/10/2012	5.236	G	10,625	\$42,500,000	202		
2241169	В	LAFAYETTE AVE	AMTRAK - CSX	AC	0		1	S 10/5/2012	5.651	G	12,000	\$48,000,000	202		
2241170	В	TIFFANY ST	AMTRAK - CSX	AC	0		1	S 11/1/2011	5.627	G	7,267	\$29,068,000	202		
2241180	В	BARRETTO ST	AMTRAK - CSX	AC	0		1	S 10/8/2012	6.000	G	5,313	\$21,252,000	202		
2241190	В	HUNTS POINT AVE	AMTRAK - CSX	AC	0		1	S 10/12/2012	4.828	F	10,049	\$40,196,000	202		
2241200	В	FAILE ST	AMTRAK - CSX	AC	0		1	S 10/12/2012	5.578	G	6,208	\$24,832,000	202		
2241210	В	BRYANT AVE	AMTRAK - CSX	AC	0		1	S 10/11/2012	3.051	F	5,300	\$21,200,000	202		
2241230	В	WESTCHESTER AVE	AMTRAK - CSX	AC	0		3	S 11/26/2012	5.944	G	15,600	\$62,400,000	202	209	
2241020	В	E 161ST STREET	CSX TRANS - PT MORRIS	С	0		1	S 3/21/2012	6.700	VG	12,800	\$51,200,000			
2241030	В	E 163RD STREET	CSX TRANS - PT MORRIS	С	0		1	S 3/1/2012	4.611	F	3,200	\$12,800,000			
2241110	В	MELROSE AVE	CSX TRANS - PT MORRIS	С	0		8	S 8/3/2011	5.611	G	37,854	\$151,416,000	203		
2241620	В	E 162ND ST	METRO NORTH RR HAR	м	0		1	S 4/20/2012	4.859	F	4,700	\$18,800,000	203		
2241630	В	E 165TH ST	METRO NORTH RR HAR	м	0		1	S 4/20/2012	4.300	F	16,400	\$65,600,000	203		
2241650	В	E 167TH ST	METRO NORTH RR HAR	м	0		1	S 4/17/2012	5.510	G	3,363	\$13,452,000			
2241660	В	E 168TH ST	METRO NORTH RR HAR	м	0		1	S 4/18/2012	4.641	F	4,800	\$19,200,000			
2241670	В	E 169TH ST	METRO NORTH RR HAR	м	0		1	S 4/18/2012	4.250	F	3,300	\$13,200,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2241680	В	E 170TH ST	METRO NORTH RR HAR	М	o		1	S 4/16/2012	6.333	VG	3,150	\$12,600,000	203		
2241700	В	ST PAULS PL PED BRDG	METRO NORTH RR HAR	М	O-PED		2	C 2/7/2012	4.884	F	600	\$2,400,000	203		
2241710	В	CLAREMONT PKWY	METRO NORTH RR HAR	м	0		1	S 4/16/2012	4.426	F	6,300	\$25,200,000	203		
2241720	В	E 173RD ST	METRO NORTH RR HAR	М	o		1	S 4/16/2012	4.875	F	3,000	\$12,000,000	203		
2076640	В	DEPOT PLACE	METRO NORTH RR HUD	СМ	o		11	S 6/8/2012	4.944	F	26,566	\$106,264,000	204		
2241409	В	GRAND CONCOURSE	METRO NORTH RR HUD	мт	0		1	S 5/16/2012	3.797	F	14,300	\$57,200,000	204		
2241410	В	WALTON AVE	METRO NORTH RR HUD	М	o		1	S 5/16/2012	4.953	F	3,600	\$14,400,000	204		
2241420	В	GERARD AVE	METRO NORTH RR HUD	м	0		1	S 5/16/2012	5.797	G	5,063	\$20,252,000	204		
2241430	В	RIVER AVE	METRO NORTH RR HUD	м	0		1	S 7/13/2011	6.156	VG	5,040	\$20,160,000	204		
2241590	В	CONCOURSE VILL AVE	METRO NORTH RR HAR	м	0		1	S 4/20/2012	3.969	F	12,077	\$48,308,000	204		
2241600	В	E 158TH ST	METRO NORTH RR HAR	М	0		1	S 7/12/2011	5.200	G	3,400	\$13,600,000	204		
2241610	В	E 161ST ST	METRO NORTH RR HAR	м	О		1	S 10/12/2011	5.017	G	6,600	\$26,400,000	204	203	
2242259	В	GRAND CONCOURSE	E 161ST ST		0		1	S 7/31/2012	6.333	VG	27,017	\$108,068,000	204		
2242280	В	GRAND CONCOURSE	E 167TH ST		o		2	S 7/20/2012	4.754	F	42,900	\$171,600,000	204		
2242300	В	GRAND CONCOURSE	E 170TH ST		o		2	S 2/23/2012	4.789	F	39,300	\$157,200,000	204		
2242319	В	GRAND CONCOURSE	E 174TH ST	т	o		1	S 2/24/2012	4.067	F	14,900	\$59,600,000	204		
2270030	В	E 156TH ST	ACCESS TO HOUSING		o	ED	16	S 12/14/2012	3.493	F	49,696	\$198,784,000	204		
2241460	В	W TREMONT AVE	METRO NORTH RR HUD	м	o		8	S 6/7/2012	3.955	F	12,900	\$51,600,000	205		
2242329	В	GRAND CONCOURSE	E 175TH ST	т	o		1	S 7/17/2012	4.833	F	11,900	\$47,600,000	205		
2242330	В	GRAND CONCOURSE	E TREMONT AVE		0		1	S 9/28/2011	5.983	G	11,700	\$46,800,000	205		
2242350	В	EAST FORDHAM RD	GRAND CONCOURSE		0		1	S 2/17/2012	4.567	F	10,300	\$41,200,000	205	207	
2242360	В	GRAND CONCOURSE	BURNSIDE AVE		o		2	S 8/2/2012	4.441	F	8,400	\$33,600,000	205		
2269030	В	MATTHEWSON ROAD	MAC CRACKEN AVE		0		15	S 12/7/2012	4.316	F	14,880	\$59,520,000	205		
2241269	В	E 177TH ST	AMTRAK - CSX	AC	0		3	S 8/27/2012	5.403	G	16,606	\$66,424,000	206		
2241740	В	E 175TH ST	METRO NORTH RR HAR	м	0		1	S 4/16/2012	3.938	F	3,600	\$14,400,000	206		
2241760	В	E TREMONT AVE	METRO NORTH RR HAR	м	0		1	S 7/6/2011	6.450	VG	8,424	\$33,696,000	206		
2241770	В	E 178TH ST PED BRDG	METRO NORTH RR HAR	м	O-PED		1	C 2/6/2012	4.918	F	700	\$2,800,000	206		
2241780	В	E 179TH ST PED BRDG	METRO NORTH RR HAR	м	O-PED		6	C 2/3/2012	5.763	G	700	\$2,800,000	206		
2241790	В	E 180TH ST	METRO NORTH RR HAR	м	0		1	S 4/11/2012	3.906	F	5,000	\$20,000,000	206		
2241800	В	E 183TH ST	METRO NORTH RR HAR	м	0		1	S 4/11/2012	4.109	F	4,080	\$16,320,000	206		
2241810	В	E 188TH ST	METRO NORTH RR HAR	м	0		1	S 4/11/2012	4.063	F	5,300	\$21,200,000	206		
2241820	В	E 187TH ST	METRO NORTH RR HAR	м	0		1	S 4/11/2012	4.344	F	3,800	\$15,200,000	206		
2241839	В	E 189TH ST	METRO NORTH RR HAR	м	0		1	S 7/6/2011	6.333	VG	43,157	\$172,628,000	206	207	
2242030	В	CROTONA AVE	BRONX PELHAM PKWY		0		2	S 1/18/2012	5.447	G	7,600	\$30,400,000	206		
2242149	В	E TREMONT AVE	BRONX RIVER		wo		2	S 5/30/2012	4.500	F	12,900	\$51,600,000	206		
2242400	В	E 180TH ST	BRONX RIVER		wo		1	S 8/28/2012	4.810	F	4,500	\$18,000,000	206	227	
2230270	В	MOSHOLU PARKWAY	WEBSTER AVE		Α		1	S 5/13/2011	5.328	G	8,480	\$33,920,000	207		
2230287	В	JEROME AVE	MOSHOLU PARKWAY	т	Α		3	S 4/22/2011	4.816	F	11,800	\$47,200,000	207		
2241470	В	W FORDHAM RD	METRO NORTH RR HUD	м	О		4	S 7/14/2011	5.694	G	16,052	\$64,208,000	207		
2241489	В	W 225TH ST	CSX TRASP - PUTNAM	С	0		2	S 6/9/2012	5.328	G	10,900	\$43,600,000		208	П

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2241930	В	BEDFORD PARK BLVD	NYCTA IND YARDS	Т	0		4	s	11/20/2012	5.403	G	46,300	\$185,200,000	207		
2241940	В	W 205TH ST	NYCTA IND YARDS	т	0		4	s	11/20/2012	5.514	G	32,508	\$130,032,000	207		
2242340	В	GRAND CONCOURSE	EAST KINGSBRIDGE		0		2	s	7/24/2012	4.714	F	18,285	\$73,140,000	207		
2242370	В	GRAND CONCOURSE	BEDFORD PARK BLVD		0		1	s	2/16/2012	4.137	F	8,418	\$33,672,000	207		
2242380	В	GRAND CONCOURSE	E 204TH ST		0		1	s	9/26/2011	5.484	G	9,272	\$37,088,000	207		
2229440	В	ННР	KAPPOCK ST		Α		1	s	7/18/2011	4.931	F	3,900	\$15,600,000	208		
2229450	В	232ND ST	ннр		Α		2	s	7/19/2011	5.026	G	4,900	\$19,600,000	208		
2229460	В	236TH ST PED BRDG	ннр		A-PED		3	С	6/12/2012	4.672	F	2,500	\$10,000,000	208		
2229470	В	239TH ST	ннр		Α		2	s	4/29/2011	5.053	G	6,100	\$24,400,000	208		
2229480	В	MANHATTAN COLL PKWY	ннр		Α		3	s	4/29/2011	5.053	G	6,200	\$24,800,000	208		
2229490	В	246TH ST	ннр		Α		2	s	4/29/2011	4.868	F	5,600	\$22,400,000	208		
2229500	В	252ND ST	ннр		Α		2	s	1/20/2012	5.372	G	4,500	\$18,000,000	208		
2229510	В	RIVERDALE AVE	ннр		Α		2	s	7/20/2011	5.079	G	5,200	\$20,800,000	208		
2229520	В	FIELDSTON ROAD	ннр		Α		1	s	7/21/2011	5.033	G	6,600	\$26,400,000	208		
2229530	В	ннр	BROADWAY		Α		1	s	7/22/2011	4.574	F	7,500	\$30,000,000	208		
2241490	В	W 230TH ST	CONRAIL (ABANDONED) PUTNAM		0		1	s	4/8/2011	5.563	G	5,600	\$22,400,000	208		
2241509	В	W 231ST ST	CONRAIL (ABANDONED) PUTNAM		0		1	s	7/26/2012	4.745	F	4,723	\$18,892,000	208		
2241510	В	W 233RD ST	CONRAIL (ABANDONED) PUTNAM		0		1	s	4/7/2011	5.275	G	3,760	\$15,040,000	208		
2241520	В	W 234TH ST	CONRAIL (ABANDONED) PUTNAM		0		1	s	4/7/2011	5.176	G	3,770	\$15,080,000	208		
1066510	В	BRUCKNER EXPWY SVC RD	WESTCHESTER CREEK		WMA		17	s	10/8/2012	3.516	F	39,400	\$157,600,000	209		
2066720	В	E 174TH ST	SHERIDAN EXPWY/AMTRAK	А	Α		13	s	8/20/2012	4.153	F	35,573	\$142,292,000	209	203	
206672A	В	174TH ST-NTH PED BRDG	895I - SHERIDAN EXPWY		A-PED		4	С	6/6/2012	4.667	F	1,800	\$7,200,000	209	Ī	
206672B	В	174TH ST-STH PED BRDG	895I - SHERIDAN EXPWY		A-PED		4	С	6/6/2012	4.750	F	1,900	\$7,600,000			
2241270	В	E TREMONT AVE	AMTRAK - CSX	AC	0		2	s	8/27/2012	5.153	G	22,300	\$89,200,000			
2075820	В	E TREMONT AVE	HUTCHINSON RVR PKWY		Α		2	s	11/21/2011	4.444	F	10,200	\$40,800,000	210		
2075837	В	WESTCHESTER AVE	HUTCHINSON RVR PKWY		Α		2	s	2/1/2012	4.083	F	15,858	\$63,432,000	210	211	
2075849	В	BRONX PELHAM PKWY	HUTCHINSON RVR PKWY		Α		2	s	6/6/2012	3.763	F	17,600	\$70,400,000	210	211	
2075859	В	HUTCHINSON RVR PKWY	HUTCHINSON RIVER		WMA		7	s	10/16/2012	4.703	F	60,500	\$242,000,000	210	228	
2076109	В	BE NB SERVICE RD	HUTCHINSON RVR PKWY		Α		2	s	9/1/2011	4.632	F	7,800	\$31,200,000	210		
2076129	В	BE SB SERVICE RD	HUTCHINSON RVR PKWY		Α		2	s	1/19/2012	5.079	G	7,100	\$28,400,000	210		
2241959	В	HUTCHINSON RVR PKWY	AMTRAK - CSX	AC	0		1	s	5/25/2012	5.780	G	15,444	\$61,776,000	210	211	
2229560	В	BRONX PELHAM PKWY	AMTRAK - CSX	AC	Α		3	s	5/25/2012	4.542	F	24,591	\$98,364,000			
2241329	В	WHITE PLAINS ROAD	AMTRAK - CSX	AC	0		1	s	10/9/2012	4.781	F	6,900	\$27,600,000	211		
2241330	В	UNIONPORT ROAD	AMTRAK - CSX	AC	0		1	s	10/9/2012	4.781	F	7,631	\$30,524,000			
2241369	В	WILLIAMSBRIDGE RD	AMTRAK - CSX	AC	0		2	s	8/27/2012	4.836	F	6,510	\$26,040,000			
2241910	В	GUN HILL ROAD	NYCTA-DYRE AVE LN	т	0		1	s	11/19/2012	5.750	G	7,500	\$30,000,000			\Box
1067150	В	NEREID AVE (E. 240TH ST)	BRONX RIVER PKWY	м	0		10	s	10/6/2011	4.474	F	57,750	\$231,000,000			\Box
2229579	В	BOSTON POST ROAD	HUTCHINSON RIVER		wo		14	s	5/23/2012	4.194	F	95,700	\$382,800,000			
2241860	В	GUN HILL RD	METRO NORTH RR HAR	м	0		1	s	5/1/2012	6.531	VG	9,128				${\dagger}$
2241870	В	E 233RD ST	METRO NORTH RR HAR	м	0		1	s	4/30/2012	4.902	F	7,664	\$30,656,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2241890	В	E 241ST ST	BRP, METRO NORTH HAR	М	wo		28	S 10/5/2011	4.306	F	49,500	\$198,000,000	212		
2241900	В	EASTCHESTER ROAD	NYCTA-DYRE AVE LN	т	0		3	S 11/19/2012	4.486	F	13,500	\$54,000,000	212		
2242071	В	BRONX BLVD S.B.	BRONX RIVER		wo		1	S 3/19/2012	4.633	F	1,800	\$7,200,000	212	L	
2242072	В	BRONX BLVD N.B.	BRONX RIVER		wo		1	S 3/19/2012	4.967	F	1,800	\$7,200,000	212		
2242081	В	BRONX BLVD S.B.	BRONX RIVER		wo		1	S 3/21/2012	4.467	F	2,800	\$11,200,000	212	L	
2242082	В	BRONX BLVD N.B.	BRONX RIVER		wo		1	S 3/22/2012	4.467	F	2,800	\$11,200,000	212	L	
2242099	В	PARK ROAD (204TH ST)	BRONX RIVER		wo		1	S 6/4/2012	4.655	F	4,700	\$18,800,000	212	L	
2242430	В	GUN HILL ROAD	BRONX BLVD		0		4	S 2/15/2012	5.018	G	9,400	\$37,600,000	212	L	
2242440	В	GUN HILL ROAD	BRONX RIVER		wo		1	S 2/13/2012	5.300	G	8,700	\$34,800,000	212		
2242459	В	E 233RD ST	BRONX RIVER		wo		1	S 2/22/2012	4.233	F	7,000	\$28,000,000	212		
2242460	В	E 233RD ST	ENTR RD BNX RVR PKWY		0		1	S 1/10/2012	4.867	F	5,300	\$21,200,000	212		
2229540	В	VAN CRTLDT PARK	ННР		A-PED	Р	2	C 8/8/2012	4.759	F	3,900	\$15,600,000	226		
2229550	В	VAN CRTLDT EQUES	ННР		A-PED	Р	2	C 8/8/2012	4.556	F	2,100	\$8,400,000	226		
2230290	В	MOSHOLU PARKWAY	EQUESTRIAN PATH		Α		1	S 1/20/2012	4.310	F	4,300	\$17,200,000	226		
2230300	В	MOSHOLU PARKWAY	CONRAIL (ABANDONED)	С	Α		1	S 8/31/2012	4.271	F	4,600	\$18,400,000	226		
2230310	В	MOSHOLU PARKWAY	SB RAMP TO HHP		Α		2	S 9/26/2011	4.919	F	7,400	\$29,600,000	226		
2065629	В	BRONX RIVER PKWY	BOSTON RD BX ZOO		Α		1	S 8/22/2011	5.276	G	6,300	\$25,200,000	227		
2230250	В	MOSHOLU PARKWAY	BRONX RIVER		WA		5	S 1/12/2012	4.211	F	16,300	\$65,200,000	227		
2230260	В	MOSHOLU PARKWAY	METRO NORTH	М	Α		1	S 4/21/2012	5.516	G	8,880	\$35,520,000	227	207	
2241259	В	204TH ST PED BRDG	METRO NORTH RR HAR	м	O-PED	Р	1	C 2/2/2012	3.948	F	4,700	\$18,800,000	227	207	,
2241840	В	BEDFORD PARK BLVD	METRO NORTH RR HAR	м	0		1	S 4/20/2012	4.844	F	6,400	\$25,600,000	227	207	
2242010	В	EAST FORDHAM RD	BRONX RIVER		WA		1	S 3/5/2012	5.207	G	9,200	\$36,800,000	227		
2242029	В	SOUTHERN BLVD	EAST FORDHAM ROAD		0		2	S 1/18/2012	4.605	F	12,900	\$51,600,000	227		
2242100	В	BOTANICAL GARDEN ROAD	TWIN LAKES		wo	Р	1	S 3/1/2012	4.833	F	2,200	\$8,800,000	227		
2242110	В	BOSTON ROAD	BRONX RIVER		wo		1	S 3/2/2012	4.227	F	6,200	\$24,800,000	227		
2242120	В	FTBG N OF RTE 1	BRONX RIVER		WO-PED	P	1	C 7/13/2012	3.583	F	1,900	\$7,600,000	227		
2242210	В	MAGNOLIA WAY	BRONX RIVER		wo		3	S 5/31/2012	4.763	F	6,200	\$24,800,000	227		
2242220	В	SNUFF MILL ROAD	BRONX RIVER		wo		2	S 1/13/2012	4.395	F	4,800	\$19,200,000	227		
2240200	В	SHORE ROAD	HUTCHINSON RIVER		WMO		7	S 6/15/2012	4.537	F	43,576	\$174,304,000	228		
2240210	В	CITY ISLAND ROAD	EASTCHESTER BAY		wo		7	S 10/19/2012	3.389	F	19,915	\$79,660,000	228		
2241380	В	PELHAM BAY PK EQUES	AMTRAK - CSX	AC	O-PED	Р	1	C 1/7/2012	3.775	F	4,223	\$16,892,000	228		
2241390	В	SHORE RD CIRCLE	AMTRAK - CSX	AC	0		1	S 7/3/2012	7.000	VG	8,067	\$32,268,000	228		
1240090	ВМ	MACOMBS DAM BRIDGE	HARLEM RIVER	м	WMO		52	S 11/30/2011	3.930	F	220,000	\$880,000,000	110	204	
2240089	ВМ	145TH ST BRIDGE	HARLEM RIVER		WMO		8	S 9/23/2011	6.250	VG	56,700	\$226,800,000	110	204	201
2240059	ВМ	WILLIS AVENUE	HARLEM RIVER		WMO		15	S 12/17/2012	6.833	VG	171,105	\$684,420,000	111	201	
2240069	ВМ	THIRD AVE BRIDGE	HARLEM RIVER		WMO		14	S 9/20/2012	5.845	G	100,232	\$400,928,000	111	201	
2240079	ВМ	MADISON AVE BRIDGE	HARLEM RIVER		WMO		21	S 9/20/2012	4.944	F	80,000	\$320,000,000	111	201	
2066919	вм	WASHINGTON BRIDGE	HARLEM RIVER	м	wo		9	S 11/29/2012	4.642	F	128,339	\$513,356,000	112	205	204
2240120	вм	W 207TH/W FORDHAM RD	HARLEM RIVER		WMO		5	S 9/5/2012	5.056	G	31,784	\$127,136,000	112	207	
2240137	вм	BROADWAY BRIDGE	HARLEM RIVER	тм	WMO		3	S 12/7/2012	3.806	F	46,848	\$187,392,000	112	207	208

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2240138	ВМ	NYCTA IRT	HARLEM RVR/BROADWAY	TM	WMO		3	S 11/21/2011	4.720	F	19,520	\$78,080,000	112	207	208
2246580	ВМ	HIGH BRIDGE PDOVP	187 - HARLEM RIVER	М	WA-PED	Р	11	P 8/12/2002	3.759	F	34,100	\$136,400,000	112	204	
2240290	к	METROPOLITAN AVE	ENGLISH KILLS		WMO		5	S 6/28/2011	6.000	G	10,550	\$42,200,000	301		
2230410	к	278I EB (B.Q.E.)	WASHINGTON ST		A		1	S 6/25/2012	4.500	F	2,500	\$10,000,000	302		
2230420	к	278I WB (B.Q.E.)	WASHINGTON ST		A		1	S 6/25/2012	5.047	G	2,500	\$10,000,000	302		
2230430	к	278I (B.Q.E.) RAMP TO BKLN BRDG	PROSPECT ST		A		1	S 1/5/2012	5.000	G	1,100	\$4,400,000	302		
2230440	к	278I WB (B.Q.E.)	ADAMS ST		A		1	S 1/10/2012	5.167	G	2,700	\$10,800,000	302		
2230450	к	278I EB (B.Q.E.)	ADAMS ST		A		1	S 1/10/2012	4.933	F	2,500	\$10,000,000	302		
2230460	к	278I (B.Q.E.)	PEARL ST		Α		1	S 2/2/2012	5.467	G	4,500	\$18,000,000	302		
2230470	к	278I (B.Q.E.)	JAY ST		A		1	S 2/3/2012	4.833	F	5,100	\$20,400,000	302		
2230480	к	278I (B.Q.E.)	PROSPECT ST		Α		1	S 2/13/2012	5.056	G	8,400	\$33,600,000	302		
2230490	к	278I (B.Q.E.)	SANDS ST		A		1	S 2/22/2012	5.093	G	12,600	\$50,400,000	302		
2230500	к	278I (B.Q.E.)	RAMP TO BQE EB		Α		1	S 2/21/2012	4.967	F	1,300	\$5,200,000	302		
2230510	к	278I (B.Q.E.)	NASSAU ST		Α		6	S 6/11/2012	5.169	G	51,200	\$204,800,000	302		
2230857	к	278I WB (B.Q.E.)	JORALEMON ST		Α		1	S 3/5/2012	5.000	G	2,100	\$8,400,000	302		
2230858	к	278I EB (B.Q.E.)	JORALEMON ST / BQE WB		Α		1	S 10/9/2011	4.619	F	5,900	\$23,600,000	302		
2230870	к	COLUMBIA HEIGHTS	278I (B.Q.E.)		Α		1	S 7/9/2012	4.383	F	16,500	\$66,000,000	302		
2230887	к	278I W.B. (B.Q.E.)	CADMAN PLAZA		Α		2	S 6/29/2012	4.569	F	4,500	\$18,000,000	302		
2230888	к	278I E.B. (B.Q.E.)	CADMAN PLAZA / 278I WB		Α		2	S 6/29/2012	5.263	G	4,500	\$18,000,000	302		
2243280	к	6TH AVE	LIRR ATLANTIC AVE	L	0		9	S 9/13/2012	5.431	G	12,276	\$49,104,000	302		
2243290	к	CARLTON AVE	LIRR ATLANTIC AVE	L	0		7	S 3/7/2012	5.069	G	10,823	\$43,292,000	302		
2244440	к	SOUTH OF TILLARY ST	NAVY ST		O-PED		1	C 8/7/2012	3.958	F	6,200	\$24,800,000	302		
2267860	к	BROOKLYN BR APPROACH	STORAGE (SANDS ST)		0		1	S 7/19/2012	4.411	F	6,490	\$25,960,000	302		
2268350	к	BROOKLYN PROMENADE	278I EB (BQE)		A-PED	Р	35	C 5/31/2012	3.690	F	46,184	\$184,736,000	302		
2268497	к	278I W.B. (B.Q.E.)	FURMAN ST		Α		45	S 8/6/2011	4.357	F	86,406	\$345,624,000	302		
2268498	к	278I E.B. (B.Q.E.)	278I WB (BQE)		А		69	S 11/13/2011	3.965	F	133,708	\$534,832,000	302		
2268507	к	278I W.B. (B.Q.E.)	YORK ST		А		6	S 6/8/2011	4.071	F	10,388	\$41,552,000	302		
2268508	к	278I E.B. (B.Q.E.)	278I W.B. (B.Q.E.)		А		11	S 6/5/2011	4.103	F	20,529	\$82,116,000	302		
2268517	к	278I W.B. (B.Q.E.)	FURMAN ST		Α		7	S 6/28/2011	3.882	F	10,988	\$43,952,000	302		
2268518	к	278I E.B. (B.Q.E.)	278I W.B. (B.Q.E.)		Α		5	S 6/9/2011	4.119	F	9,275	\$37,100,000	302		
2230000	к	HIGHLAND BLVD E.B.	JACKIE ROBINSON PKWY		А		1	S 3/14/2012	4.724	F	4,900	\$19,600,000	305		
2230010	к	HIGHLAND BLVD W.B.	JACKIE ROBINSON PKWY		А		1	S 3/14/2012	4.767	F	3,500	\$14,000,000	305		
2230020	к	HIGHLAND BLVD W.B.	JACKIE ROBINSON PKWY		А		2	S 3/14/2012	4.974	F	4,700	\$18,800,000	305		
2230220	к	HIGHLAND BLVD NB	VERMONT AVE		Α		1	S 5/18/2011	5.857	G	3,995	\$15,980,000	305		
2244170	к	ATLNTC AV SVC RD E.B.	EAST NEW YORK AVE		0		2	S 7/20/2011	5.474	G	3,192	\$12,768,000	305		
2244180	к	ATLNTC AV SVC RD W.B.	EAST NEW YORK AVE		0		2	S 7/20/2011	4.965	F	5,600	\$22,400,000	305		
2244460	к	CONDUIT BLVD NB	ATLANTIC AVE EB		0		1	S 10/8/2012	4.833	F	3,800	\$15,200,000	305		
2269600	к	ERSKINE ST	BSHP		Α		1	S 8/20/2012	5.938	G	8,258	\$33,032,000	305		
2230350		SUMMIT ST PED BRDG	278I (B.Q.E.)		A-PED		2	S 3/19/2012	4.614	F	1,400	\$5,600,000		1	
2230360	к	UNION ST	278I (B.Q.E.)		A		2	S 3/19/2012	4.375	F	5,000	\$20,000,000	306	1	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD:	2 CD3
2230370	к	SACKETT ST	278I (B.Q.E.)		Α		2	S 3/14/2012	4.500	F	5,000	\$20,000,000	306	;	
2230380	к	KANE ST	278I (B.Q.E.)		Α		2	S 3/26/2012	4.208	F	5,000	\$20,000,000	306	;	
2230390	к	CONGRESS ST	278I (B.Q.E.)		Α		2	S 3/26/2012	6.029	٧G	5,000	\$20,000,000	306	;	
2240232	к	HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	S 9/7/2011	5.306	G	7,300	\$29,200,000	306		
2240240	к	NINTH ST BRIDGE	GOWANUS CANAL		WMO		3	S 5/27/2011	6.581	VG	5,772	\$23,088,000	306	;	
2240250	к	THIRD ST	GOWANUS CANAL		WMO		5	S 5/19/2011	4.903	F	4,900	\$19,600,000	306	;	
2240260	к	CARROLL ST	GOWANUS CANAL		WMO		2	S 7/6/2012	4.634	F	3,000	\$12,000,000	306		
2240270	к	UNION ST	GOWANUS CANAL		WMO		5	S 8/10/2012	4.000	F	4,900	\$19,600,000	306		
2240310	к	THIRD AVE	GOWANUS CANAL		wo		1	S 5/18/2011	6.900	٧G	3,200	\$12,800,000	306	;	
2066100	к	5TH AVE	27 X PROSPECT EXPWY		Α		1	S 5/18/2012	5.063	G	8,800	\$35,200,000	307		
2240231	к	HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	S 9/13/2012	5.472	G	7,300	\$29,200,000	307	30€	
2243839	к	4TH AVE	NYCTA BMT TRACKS	т	o		1	S 8/24/2011	6.300	VG	4,440	\$17,760,000	307		
2243920	к	7TH AVE	NYCTA BMT YARD	т	0		2	S 9/10/2012	6.042	VG	4,700	\$18,800,000	307		
2244470	к	SEELEY ST	PROSPECT AVE		0		1	S 5/4/2012	4.033	F	8,482	\$33,928,000	307		
2244480	к	5TH AVE	GREENWOOD CEMETERY		o		1	S 9/8/2011	4.667	F	3,600	\$14,400,000	307		
2243170	к	STERLING PLACE	FRANKLIN SHUTTLE	т	o		1	S 8/24/2011	6.500	VG	2,300	\$9,200,000	308	,	
2243180	к	ST JOHNS PLACE	FRANKLIN SHUTTLE	т	0		1	S 8/24/2011	6.781	VG	2,300	\$9,200,000	308	,	
2243190	к	LINCOLN PLACE	FRANKLIN SHUTTLE	т	o		1	S 9/6/2012	6.797	VG	2,460	\$9,840,000	308	,	
2243200	к	UNION ST	FRANKLIN SHUTTLE	т	o		2	S 9/5/2012	5.000	G	4,100	\$16,400,000	309	,	
2243210	к	PRESIDENT ST	FRANKLIN SHUTTLE	т	o		2	S 9/5/2012	5.157	G	2,500	\$10,000,000	309	,	
2243220	к	CARROLL ST PED BRDG	FRANKLIN SHUTTLE	т	O-PED		3	C 12/17/2012	5.099	G	600	\$2,400,000	309	,	
2243230	к	CROWN ST	FRANKLIN SHUTTLE	т	o		3	S 10/11/2011	5.097	G	4,060	\$16,240,000	309		
2243240	к	MONTGOMERY ST	FRANKLIN SHUTTLE	т	o		1	S 8/11/2011	5.961	О	2,240	\$8,960,000	309		
2243250	к	WASHINGTON AVE	FRANKLIN SHUTTLE	т	o		1	S 9/4/2012	6.000	О	3,657	\$14,628,000	309	355	
2243260	к	FLATBUSH AVE	FRANKLIN SHUTTLE	т	0		2	S 7/23/2012	4.922	F	11,300	\$45,200,000	309	1	
2243279	к	EASTERN PKWY	FRANKLIN SHUTTLE	т	0		1	S 9/6/2012	4.861	F	7,700	\$30,800,000	309	308	
2231249	к	BSHP	BAY RIDGE AVE		Α		1	S 3/26/2012	3.625	F	4,900	\$19,600,000	310	(
2231250	к	81ST ST PED BRDG	BSHP		A-PED	P	5	C 3/23/2012	4.761	F	3,100	\$12,400,000	310	,	
2231260	к	92ND ST PED BRDG	BSHP		A-PED	Р	6	C 9/18/2012	3.475	F	3,000	\$12,000,000	310		
2231270	к	4TH AVE	BSHP		Α		2	S 3/16/2012	4.579	F	6,100	\$24,400,000	310		
2243310	к	2ND AVE	LIRR BAY RIDGE	N	О		2	S 10/2/2012	6.236	VG	17,751	\$71,004,000	310		
2243320	к	3RD AVE	LIRR BAY RIDGE	N	О		4	S 9/14/2011	5.083	G	17,230	\$68,920,000	310		
2243330	к	4TH AVE	LIRR BAY RIDGE	NT	0		4	S 8/30/2011	5.653	G	13,668	\$54,672,000	310		
2243580	к	5TH AVE	LIRR & SEA BEACH	NT	О		4	S 11/12/2012	3.941	F	12,395	\$49,580,000	310	(
2243590	к	6TH AVE	LIRR & SEA BEACH	NT	o		2	S 9/30/2011	6.306	VG	14,382	\$57,528,000	310	1	
2243600	к	7TH AVE	LIRR & SEA BEACH	NT	0		7	S 11/12/2012	4.778	F	18,628	\$74,512,000	310		
2243610	к	8TH AVE	LIRR & SEA BEACH	NT	0		2	S 9/30/2011	6.181	VG	10,834	\$43,336,000	310		
2243620	к	FORT HAMILTON PKWY	LIRR & SEA BEACH	NT	0		3	S 9/19/2012	4.729	F	14,800	\$59,200,000	310		
2243630	к	11TH AVE	LIRR & SEA BEACH	NT	0		5	S 11/13/2012	5.985	G	9,700	\$38,800,000	310		
2243640	к	13TH AVE	LIRR & SEA BEACH	NT	0		5	S 9/23/2011	4.694	F	16,000	\$64,000,000	310	1	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST C	D C	CD2 (:D3
2244150	к	RIDGE BLVD	SHORE RD DRIVE		0		1	s	5/24/2011	6.667	VG	4,350	\$17,400,000 31	10		
2244160	к	3RD AVE	SHORE RD DRIVE		0		1	s	5/24/2011	6.727	VG	4,360	\$17,440,000 31	10		
2231290	к	BAY 8TH ST	BSHP		A		1	s	5/14/2011	5.952	G	4,950	\$19,800,000 31	11		
2231300	к	17TH AVE PED BRDG	BSHP		A-PED	P	1	С	8/22/2012	3.614	F	2,100	\$8,400,000 31	11		
2231319	к	BSHP	BAY PKWY		A		1	s	6/2/2012	4.267	F	7,200	\$28,800,000 31	11		
2243340	к	15TH AVE	LIRR BAY RIDGE	N	o		1	s	11/14/2012	4.872	F	3,614	\$14,456,000 31	11		
2243350	к	60TH ST	LIRR BAY RIDGE	N	0		1	s	8/31/2011	6.133	VG	3,900	\$15,600,000 31	11		
2243360	к	16TH AVE	LIRR BAY RIDGE	N	0		1	s	10/4/2012	5.350	G	4,345	\$17,380,000 31	11		
2243650	к	14TH AVE	LIRR BAY RIDGE	N	0		1	s	11/13/2012	6.333	VG	4,720	\$18,880,000 31	11		
2243660	к	NEW UTRECHT AVE	LIRR BAY RIDGE	N	0		1	s	11/13/2012	6.083	VG	2,350	\$9,400,000 31	11		
2243670	к	15TH AVE	BMT SEA BEACH	т	0		4	s	6/26/2011	6.386	VG	16,020	\$64,080,000 31	11		
2243680	к	16TH AVE	BMT SEA BEACH	т	0		3	s	8/30/2012	5.296	G	6,816	\$27,264,000 31	11		
2243690	к	17TH AVE	BMT SEA BEACH	т	0		4	s	8/30/2012	6.173	VG	8,946	\$35,784,000 31	11		
2243700	к	18TH AVE	BMT SEA BEACH	т	0		1	s	8/25/2011	6.632	VG	5,200	\$20,800,000 31	11		
2243710	к	19TH AVE	BMT SEA BEACH	т	0		4	s	8/29/2012	4.184	F	4,800	\$19,200,000 31	11		
2243720	к	20TH AVE	BMT SEA BEACH	т	0		1	s	8/31/2012	6.673	VG	7,000	\$28,000,000 31	11		
2243730	к	65TH ST	BMT SEA BEACH	т	0		4	s	8/28/2012	5.132	G	12,000	\$48,000,000 31	11		
2243740	к	BAY PKWY	BMT SEA BEACH	т	0		4	s	8/28/2012	4.553	F	16,800	\$67,200,000 31	11	T	
2243750	к	AVENUE O	BMT SEA BEACH	т	0		1	s	9/1/2011	5.706	G	4,658	\$18,632,000 31			
2243760		AVENUE P	BMT SEA BEACH	т	0		1	s	8/31/2011	5.674	G	5,544	\$22,176,000 31			
2243770		KINGS HIGHWAY	BMT SEA BEACH	т	0		1	s	9/13/2011	6.767	VG	5,032	\$20,128,000 31		T	
2243780	к	HIGHLAWN AVE	BMT SEA BEACH	т	0		1	s	9/13/2011	6.400	VG	6.960	\$27,840,000 31		\neg	
2243800	к	AVENUE T	BMT SEA BEACH	т	0		1	s	9/15/2011	6.033	VG	5.360	\$21,440,000 31		T	-
2243820		21ST AVE	BMT SEA BEACH	т	0		4	s	9/7/2012	3.974	F	21.400	\$85,600,000 31	_	\neg	
2243370	к	17TH AVE	LIRR BAY RIDGE	N	0		1	s	10/5/2012	4.745	F	3,406	\$13,624,000 31		\top	
2243380	к	18TH AVE	LIRR BAY RIDGE	N	0		1	s	9/28/2012	4.688	F	6,006	\$24,024,000 31	_	\top	
2243390		52ND ST	LIRR BAY RIDGE	N	0		1	s	9/28/2012	6.250	VG	3,293	\$13,172,000 31		\top	
2243400		50TH ST	LIRR BAY RIDGE	N	0		2	s	9/1/2011	4.731	F	7,100	\$28,400,000 31		\top	
2243410		MCDONALD AVE	LIRR BAY RIDGE	N	0		1	s	9/27/2012	5.047	G	2.760	\$11,040,000 31		\top	
2243420		E 3RD ST	LIRR BAY RIDGE	N	0		1	s	9/1/2011	6.517	VG	1.840	\$7,360,000 31		\top	
2243439		OCEAN PKWY	LIRR BAY RIDGE	N	0		1	s	9/27/2012	4.927	F	7.000	\$28,000,000 31		1	
2243440		CONEY ISLAND AVE	LIRR BAY RIDGE	N	0		1	s	9/26/2012	5.106	G	3,231	\$12,924,000 31		\pm	-
2243840		9TH AVE	NYCTA BMT YARD	т	0		5	s	8/19/2011	5.736	G	12,440	\$49,760,000 31	_	-	
2243940		9TH AVE	NYCTA IND SBWY	т	0		5	s	8/19/2011	4.737	F	6,300	\$25,200,000	_	-	
2231329		BSHP	26TH AVE		Α		1	s	4/20/2012	4.600	F	6,700	\$26,800,000 31	_	+	\dashv
2231329		27TH AVE PED BRDG	BSHP		A-PED	P	1	c	1/20/2012	4.106	F	2.100	\$26,800,000 31		+	\dashv
		CROPSEY AVE				r	2	s	6/13/2012		F	_,,,,,			+	\dashv
2231340			BSHP OCEAN BYAN		Α					4.722		13,100	\$52,400,000 31		+	-
2231360		BSHP	OCEAN PKWY		Α .		3	s	6/25/2012	6.299	VG	29,637	\$118,548,000 31		+	\dashv
2231370		GUIDER AV RAMP TO BSHP CONEY ISLAND AVE	BSHP		Α Α		4	s	9/14/2012	6.944 5.986	VG G	19,866	\$42,192,000 31 \$79,464,000 31		+	\dashv

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST C	D C	D2 C	:D3
2240301	к	CROPSEY AVE	CONEY ISLAND CREEK		wo		3	s	6/10/2011	5.225	G	9,400	\$37,600,000 31	13		
2240302	к	CROPSEY AVE	CONEY ISLAND CREEK		wo		3	s	10/2/2012	4.718	F	9,400	\$37,600,000 31	13		
2240540	к	STILLWELL AVE	CONEY ISLAND CRK		wo		2	s	5/27/2011	6.292	VG	17,000	\$68,000,000 31	13		
2243570	к	86TH ST	BMT SEA BEACH	Т	0		1	s	8/27/2012	5.953	G	12,167	\$48,668,000 31	13		
2269260	к	W. 8TH ST PED BRDG	SURF AVE.		O-PED	Р	39	С	3/22/2012	3.629	F	14,742	\$58,968,000 31	13		
2243020	к	PARKSIDE AVE	BMT SUBWAY, BRIGHTON	т	0		6	s	9/14/2012	3.826	F	48,700	\$194,800,000 31	14		
2243040	к	CROOKE AVE	BMT SUBWAY, BRIGHTON	т	0		4	s	10/8/2012	4.211	F	6,000	\$24,000,000 31	14		
2243050	к	CATON AVE	BMT SUBWAY, BRIGHTON	т	0		4	s	8/10/2011	4.500	F	20,800	\$83,200,000 31	14		
2243080	к	CHURCH AVE	BMT SUBWAY, BRIGHTON	т	0		4	s	8/10/2011	4.545	F	18,200	\$72,800,000 31	14		
2243100	к	BEVERLY ROAD	BMT SUBWAY, BRIGHTON	т	0		3	s	7/27/2012	3.982	F	4,200	\$16,800,000 31	14		
2243110	к	CORTELYOU ROAD	BMT SUBWAY, BRIGHTON	т	0		3	s	8/25/2011	6.139	VG	4,810	\$19,240,000 31	14		
2243120	к	DORCHESTER ROAD	BMT SUBWAY, BRIGHTON	т	0		1	s	12/3/2012	5.863	G	4,825	\$19,300,000 31	14		
2243130	к	DITMAS AVE	BMT SUBWAY, BRIGHTON	т	0		1	s	10/4/2011	5.723	G	5,150	\$20,600,000 31	14		
2243140		NEWKIRK AVE	BMT SUBWAY, BRIGHTON	т	0		3	s	9/14/2012	4.662	F	4,100	\$16,400,000 31		T	
2243150	к	FOSTER AVE	BMT SUBWAY, BRIGHTON	т	0		1	s	7/25/2012	4.383	F	3,000	\$12,000,000 31	14	П	
2243450	к	E 14TH ST	LIRR BAY RIDGE	N	0		1	s	9/26/2012	4.809	F	1,775	\$7,100,000 31	14	T	
2243460	к	E 15TH ST PED BRDG	LIRR BAY RIDGE	N	O-PED		3	С	3/8/2012	5.592	G	900	\$3,600,000 31	14	П	
2243480	к	OCEAN AVE	LIRR BAY RIDGE	N	0		2	s	9/25/2012	4.825	F	5,000	\$20,000,000 31	14	T	
2243490	к	BEDFORD AVE	LIRR BAY RIDGE	N	0		6	s	9/24/2012	4.319	F	12,000	\$48,000,000 31		T	
2243500	к	NOSTRAND AVE	LIRR BAY RIDGE	N	0		2	s	9/26/2012	4.831	F	4,320	\$17,280,000 31		T	
2231390	к	E 12TH ST	BSHP		A		4	s	6/13/2012	4.542	F	17,200	\$68,800,000 31		T	
2231409		BSHP	SHEEPSHEAD BAY ROAD		A		1	s	4/12/2012	4.672	F	6.500	\$26,000,000 31		\top	
2231419	к	BSHP	OCEAN AVE		A		3	s	4/12/2012	4.500	F	14.000	\$56,000,000 31	15	T	
2231429	к	BSHP	BEDFORD AVE		A		3	s	4/20/2012	4.042	F	12.000	\$48,000,000 31		\top	
2231439		BSHP	NOSTRAND AVE		Α		3	s	4/20/2012	3.986	F	13,000	\$52,000,000 31		\top	
2231449	к	KNAPP ST	BSHP		A		1	s	4/20/2012	4.406	F	9,500	\$38,000,000 31	_	\top	
2233080	K	E 14 ST PED BRDG	BSHP		A-PED		14	С	7/16/2012	3.836	F	4,700	\$18,800,000 31		\top	
2240320		OCEAN AVE PED BRDG	SHEEPSHEAD BAY		WO-PED		30	С	9/15/2011	4.571	F	4,450	\$17,800,000 31		+	
2243790	ĸ	AVENUE S	BMT SEA BEACH	т	0		1	s	9/15/2011	5.967	G	5.360	\$21,440,000 31		+	\dashv
2243810		AVENUE U	BMT SEA BEACH	т	0		1	s	9/11/2012	5.294	G	5,880	\$23,520,000 31		+	
2243569		ATLANTIC AVE	LIRR ATLANTIC AVE	L	0		75	s	5/25/2012	3.676	F	135,100	\$540,400,000 31		305	\dashv
2243850	K	LIBERTY AVE	LIRR BAY RIDGE	N	0		3	s	9/25/2012	6.294	VG	6,659	\$26,636,000 31		03	-
2243860		GLENMORE AVE	LIRR BAY RIDGE	N	0		2	s	9/25/2012	6.559	VG	5,616	\$22,464,000 31		+	\dashv
2243870		PITKIN AVE	LIRR BAY RIDGE	N	0		2	S	9/25/2012	6.515	VG	5,328	\$22,464,000 31 \$21,312,000 31	_	+	-1
		SUTTER AVE	LIRR BAY RIDGE	N	0		3	s	9/25/2012		VG		\$21,312,000 31 \$21,988,000 31	_	+	\dashv
2243890							3			6.542		5,497			+	\dashv
2243900		BLAKE AVE	LIRR BAY RIDGE LINE	N	0			s	9/25/2012	5.000	G	4,912	\$19,648,000 31		+	\dashv
2243910	K	LIVONIA AVE PED BRDG	LIRR BAY RIDGE LINE	N	O-PED		6	С	4/16/2012	4.833	F	2,500	\$10,000,000 31		+	-
2231479		BSHP	MILL BASIN		WMA		14	S	10/10/2012	3.179	F	73,500	\$294,000,000 31		+	\dashv
2231489		BSHP	PAERDEGAT BASIN		WA		15	S	11/28/2012	3.340	F	58,300	\$233,200,000 31		+	\dashv
2243510	K	FLATBUSH AVE	LIRR BAY RIDGE	N	0		2	S	10/5/2012	4.730	F	5,900	\$23,600,000 31	18		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2243520	к	BROOKLYN AVE	LIRR BAY RIDGE	N	0		3	s	9/9/2011	6.236	VG	4,500	\$18,000,000	318		
2243530	к	AVENUE H	LIRR BAY RIDGE	N	0		2	s	9/9/2011	5.956	G	35,100	\$140,400,000	318		
2243010	к	LINCOLN ROAD	BMT SUBWAY, BRIGHTON	т	0		1	s	7/24/2012	6.685	VG	6,016	\$24,064,000	355		
2244010	к	EAST DR (ENDALE ARCH)	PED PATH NR GRND ARMY PLZ		0	Р	1	С	5/15/2012	4.833	F	1,533	\$6,132,000	355		
2244020	к	WEST DR (MEADOWPORT ARCH)	PED PATH NR GRND ARMY PLZ		0	Р	1	s	4/26/2011	5.321	G	2,500	\$10,000,000	355		
2244030	к	EAST DRIVE	BRIDLE PATH NR ZOO		0	P	1	s	4/27/2011	4.878	F	2,000	\$8,000,000	355		
2244040	к	EAST DR (EAST WOOD ARCH)	PED PATH NR CENTER DR		0	Р	1	С	6/27/2012	4.067	F	1,066	\$4,262,400	355		
2244050	к	CENTER DR (NETHERMEAD ARCHES)	PED PATH & STREAM		wo	P	3	s	5/9/2011	5.000	G	7,400	\$29,600,000	355		
2244060	к	HILL DR (CLEFT RIDGE SPAN)	PED PATH SO OF BOATHOUSE		0	P	1	С	5/2/2012	4.433	F	750	\$3,000,000	355		
2244100	к	WEST FOOTBRIDGE	PROSPCT PK STREAM		WO-PED	P	1	С	12/19/2011	4.875	F	3,200	\$12,800,000	355		
2244120	к	HILL DR (TERRACE BRDG)	PROSPECT PK LAKE		wo	P	3	s	8/22/2012	3.364	F	7,800	\$31,200,000	355		
2244130	к	PED NR BOATHSE (LULLWATER BRDG)	PROSPECT PK LAKE		WO-PED	Р	1	С	9/16/2011	4.898	F	1,000	\$4,000,000	355		
2231450	к	BSHP	GERRITSEN INLET		WA		11	s	7/24/2012	3.463	F	52,000	\$208,000,000	356		
2231460	к	FLATBUSH AVE	BSHP		Α		2	s	9/22/2011	6.250	VG	14,058	\$56,232,000	356		
2231499	к	BSHP	ROCKAWAY PKWY		Α		4	s	10/27/2012	6.644	VG	11,500	\$46,000,000	356		
2231509	к	BSHP	FRESH CREEK		WA		5	s	10/21/2012	6.915	VG	23,000	\$92,000,000	356		
2231519	к	PENNSYLVANIA AVE	BSHP		Α		2	s	5/20/2011	5.694	G	6,640	\$26,560,000	356		
2240019	KM	BROOKLYN BRIDGE	EAST RIVER		WEO		75	s	11/12/2012	2.944	Р	503,788	\$2,015,152,000	103	302	101
2240027	KM	MANHATTAN BRIDGE(LL)	EAST RIVER	т	WEO		23	s	11/19/2012	4.653	F	616,390	\$2,465,560,000	103	302	:
2240028	KM	MANHATTAN BRIDGE(UL)	NYCTA TRACKS-BMT	т	WEO		43	s	11/19/2012	3.757	F	587,424	\$2,349,696,000	103	302	:
2240039	KM	WILLIAMSBURG BRIDGE	EAST RIVER	т	WEO		53	s	10/27/2012	4.431	F	824,000	\$3,296,000,000	103	301	
2240370	KQ	GREENPOINT AVE BRIDGE	NEWTOWN CREEK	L	WMO		12	s	7/8/2011	5.222	G	76,106	\$304,424,000	301	402	:
2240390	KQ	GRAND ST BRIDGE	NEWTOWN CREEK		WMO		2	s	10/7/2012	4.042	F	5,100	\$20,400,000	301	405	
2240639	KQ	PULASKI BRIDGE	NEWTOWN CREEK		wмo		44	s	5/11/2012	4.662	F	205,770	\$823,080,000	301	402	:
2232000	М	BATTERY PLACE	FDR DRIVE		AT		2	s	12/21/2011	5.318	G	142,000	\$568,000,000	101		
223201A	М	FDR DR N.B. OFF RMP	FDR DR & SOUTH ST		AR		17	s	4/24/2012	3.925	F	23,373	\$93,492,000	101		
223201B	М	STH ST RMP TO FDR S.B.	SOUTH ST		AR		10	s	2/17/2012	3.791	F	13,388	\$53,552,000	101		
223201D	М	RAMP TO N.B. FDR DRIVE	FDR & SOUTH ST.		AR		22	s	2/10/2012	4.967	F	15,825	\$63,300,000	101	103	
224001A	М	PARK ROW TO BKLN	WILLIAM ST N.B.		OE		4	s	4/24/2012	4.500	F	10,167	\$40,668,000	101		
224001B	М	TO BKLN FRM FDR	FRANKFORT & PEARL ST		OE		31	s	8/20/2012	4.333	F	51,400	\$205,600,000	101	103	
224001C	М	PEARL ST TO BKLN	LAND ADJ TO BRDG		OE		9	s	3/14/2012	3.814	F	6,365	\$25,460,000	101		
224001D	М	TO FDR DR N.B.	PEARL STREET		OE		30	s	7/15/2011	4.868	F	49,600	\$198,400,000	101	103	
224001E	М	TO PEARL ST	LAND ADJ TO BRDG		OE		3	s	6/28/2011	5.141	G	5,300	\$21,200,000	101		
224001G	М	TO PARK ROW	ROSE ST		OE		11	s	3/27/2012	4.408	F	16,551	\$66,204,000	101		
2267380	М	WEST STREET	RECTOR ST		AT		1	s	11/15/2011	5.033	G	25,760	\$103,040,000	101		
2268480	М	CHAMBERS ST PED BRDG	RTE 9A - WEST ST		O-PED		10	С	5/24/2012	5.167	G	7,481	\$29,924,000			
2268930	М	MORRIS ST PED BRDG	BKLN-BATTERY TUNN PLZ		A-PED		3	С	6/4/2012	3.764	F	1,200	\$4,800,000	101		
223201C	М	FDR DR S.B. OFF RMP	SOUTH ST		AR		8	s	2/9/2012	4.821	F	36,700	\$146,800,000			
2232029	М	CORLEARS PARK ROAD	FDR DRIVE		Α	Р	4	s	3/28/2012	3.938	F	4,100	\$16,400,000			
2232030	м	DELANCEY ST PED BRDG	FDR DRIVE		A-PED	Р	12	С	5/2/2012	4.443	F	2,900	\$11,600,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD	2 CD3
2232040	М	HOUSTON ST	FDR DRIVE		A		2	S 4/30/2012	3.773	F	11,010	\$44,040,000	103		
223204A	М	FDR NB RAMP TO HOUSTON ST	RELIEF		AR		4	S 1/20/2012	4.706	F	6,150	\$24,600,000	103	,	
223204B	М	HOUSTON ST RAMP TO FDR NB	RELIEF		AR		4	S 1/23/2012	4.792	F	7,125	\$28,500,000	103	,	
2232050	М	E 6TH ST PED BRDG	FDR DRIVE		A-PED	P	19	C 3/22/2012	4.233	F	2,200	\$8,800,000	103	,	
2233020	М	E 10TH ST PED BRDG	FDR DRIVE		A-PED	Р	21	C 3/20/2012	4.193	F	2,754	\$11,016,000	103	,	
224001F	м	PEARL ST TO FDR DR	LAND ADJ TO BRDG		OE		3	S 4/2/2012	5.282	G	5,200	\$20,800,000	103		
2245010	М	11TH AVE VIADUCT	LIRR WEST SIDE YARD	AL	0		39	S 12/28/2012	4.056	F	157,500	\$630,000,000	104		
224501B	М	W 33RD ST	AMTRAK 30 ST BRANCH	А	0		8	S 3/13/2012	4.458	F	16,500	\$66,000,000	104		
224501C	м	W 33RD ST	LAND ADJ TO AMTRAK	А	0		2	S 6/14/2011	4.472	F	2,360	\$9,440,000	104		
224501D	м	W 34TH ST	AMTRAK 30 ST BRANCH	А	0		4	S 6/6/2011	4.597	F	11,800	\$47,200,000	104	ı	
224501E	м	W 35TH ST	AMTRAK 30 ST BRANCH	А	0		3	S 11/16/2012	4.181	F	6,500	\$26,000,000	104	ı	
224501F	м	W 36TH ST	AMTRAK 30 ST BRANCH	А	0		7	S 11/16/2012	3.985	F	16,400	\$65,600,000	104	ı	
2245060	м	W 37TH ST	AMTRAK 30 ST BRANCH	А	0		3	S 12/8/2011	6.190	VG	7,505	\$30,020,000	104	ı	
2245070	М	W 38TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 6/15/2012	4.135	F	6,200	\$24,800,000	104	ı	
2245080	м	W 39TH ST	AMTRAK 30 ST BRANCH	А	0		3	S 6/15/2012	4.173	F	6,300	\$25,200,000	104	ı	
2245090	м	W 43RD ST	AMTRAK 30 ST BRANCH	А	0		2	S 4/16/2012	4.662	F	4,140	\$16,560,000	104	ı	
2245100	м	W 44TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 4/16/2012	4.662	F	4,300	\$17,200,000	104	ı	
2245110	м	W 45TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 4/16/2012	5.397	G	4,100	\$16,400,000	104	ı	
2245120	м	W 46TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 5/4/2012	4.500	F	4,100	\$16,400,000	104	ı	
2245130	М	W 47TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 5/4/2012	4.721	F	4,100	\$16,400,000	104	ı	
2245140	м	W 48TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/7/2012	4.618	F	4,100	\$16,400,000	104	ı	
2245150	м	W 49TH ST	AMTRAK 30 ST BRANCH	А	0		3	S 5/7/2012	4.426	F	4,100	\$16,400,000	104		
2245160	М	W 51ST ST	AMTRAK 30 ST BRANCH	А	0		2	S 5/11/2012	4.912	F	4,300	\$17,200,000	104	ı	
2245170	м	W 52ND ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/29/2012	5.265	G	4,300	\$17,200,000	104	ı	
2245180	М	W 53RD ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/29/2012	5.221	G	5,100	\$20,400,000	104	ı	
2245190	м	W 58TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 5/25/2012	4.765	F	4,100	\$16,400,000	104	ı	
2245209	м	11TH AVE	AMTRAK 30 ST BRANCH	Α	0		2	S 6/4/2012	4.471	F	15,400	\$61,600,000	104	ı	
2245210	м	W 42ND ST	AMTRAK 30 ST BRANCH	Α	0		4	S 7/2/2012	4.651	F	10,300	\$41,200,000	104	ı	
2245220	м	W 57TH ST	AMTRAK 30 ST BRANCH	А	0		3	S 5/25/2012	4.853	F	9,100	\$36,400,000	104		
2245330	м	W 41ST ST	AMTRAK 30 ST BRANCH	А	0		3	S 6/12/2012	4.508	F	6,200	\$24,800,000	104	ı	
2245340	М	W 50TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 5/11/2012	4.471	F	4,100	\$16,400,000	104	ı	
2245350	м	W 54TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 5/22/2012	5.476	G	4,700	\$18,800,000	104	ı	
2245360	м	W 55TH ST	AMTRAK 30 ST BRANCH	А	0		2	S 5/22/2012	5.529	G	4,300	\$17,200,000	104		
2245370	м	W 56TH ST	AMTRAK 30 ST BRANCH	Α	0		2	S 6/4/2012	5.706	G	4,400	\$17,600,000	104		
2245440	м	W 40TH ST	AMTRAK 30 ST BRANCH	А	0		4	S 6/18/2012	4.162	F	9,400	\$37,600,000	104		
2257569	м	MILLER HIGHWAY	TERRAIN		А		64	S 10/22/2012	4.352	F	272,475	\$1,089,900,000	104	107	,
226672A	м	W 31ST ST	AMTRAK LAYUP TRACKS	А	0		9	S 12/28/2012	3.619	F	8,800	\$35,200,000	104		
2245460	м	PARK AVE S.B.	E 45TH ST		0		1	S 5/25/2012	4.514	F	2,400	\$9,600,000	105		
2245470	м	PARK AVE N.B	E 45TH ST		0		1	S 5/30/2012	4.865	F	2,400	\$9,600,000	105		
2246540	м	E 34TH ST	PARK AVE TUNNEL		ОТ		1	S 9/13/2012	4.117	F	36,200	\$144,800,000	105	106	ŝ

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C		Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2246550	М	PARK AVE VIADUCT	E 42ND ST		0		10	s	12/14/2012	4.478	F	22,150	\$88,600,000	105		
2232070	М	E 25TH ST PED BRDG	FDR DRIVE		A-PED		3	С	3/16/2012	4.627	F	1,700	\$6,800,000	106	L	
2232100	М	E 51ST ST PED BRDG	FDR DRIVE		A-PED	Р	6	С	3/23/2012	4.567	F	2,800	\$11,200,000	106	L	
2233038	М	FDR DRIVE SB	FDR NB / E 62ND ST		AT		34	s	12/5/2012	6.563	VG	58,700	\$234,800,000	106	108	
224004D	М	TO QNS FROM E 58TH ST	E 59TH ST		OE		12	s	6/28/2012	4.245	F	10,858	\$43,432,000	106	108	
2246560	М	TUDOR CITY PLACE	E 42ND ST		0		1	s	1/25/2012	5.133	G	6,600	\$26,400,000	106		
2246570	м	E42ND ST - E47TH ST	FIRST AVE TUNNEL		ОТ		2	s	5/22/2012	4.882	F	95,000	\$380,000,000	106		
2268650	М	FDR NB E42ND TO E49TH ST	EAST RIVER		Α		119	s	10/28/2011	3.660	F	30,767	\$123,068,000	106		
2229289	м	HHP VIADUCT	AMTRAK - W72 ST - W79 ST	Α	Α		145	s	10/22/2012	3.597	F	236,100	\$944,400,000	107		
222928C	м	PED BR AT 73RD ST	HHP - AMTRAK	Α	A-PED	Р	5	С	2/14/2012	3.359	F	3,480	\$13,920,000	107		
2229290	м	W 79 ST	AMTRAK	Α	А		1	s	6/7/2012	4.492	F	4,500	\$18,000,000	107		
2229309	м	ННР	RIVERSIDE PARK		А		1	s	1/5/2012	5.133	G	2,172	\$8,688,000	107		
2229311	М	HHP SB	RAMP TO 96 ST		Α		1	s	2/1/2012	4.455	F	2,000	\$8,000,000	107		
2229312	М	HHP NB	RAMP TO 96 ST		Α		1	s	2/1/2012	4.182	F	2,000	\$8,000,000	107		
2229321	м	HHP SB	RAMP FROM 96 ST		Α		1	s	2/6/2012	5.133	G	2,000	\$8,000,000	107		
2229322	М	HHP NB	RAMP FROM 96 ST		Α		1	s	2/6/2012	5.300	G	2,000	\$8,000,000	107		
2246970	М	RIVERSIDE DRIVE	W 96TH ST		0		3	s	5/18/2011	5.471	G	10,600	\$42,400,000	107		
2267250	М	ННР	AMTRAK - W96TH ST	А	Α		55	s	12/5/2012	3.548	F	40,000	\$160,000,000	107		
2267717	м	79 ST PED PLAZA	79 ST BT BASIN GAR		Α	Р	10	s	5/3/2011	4.593	F	27,400	\$109,600,000	107		
2267718	м	79 ST TRAFFIC CIRC	79 ST PED PLAZA		A	Р	34	s	5/11/2011	4.000	F	24,130	\$96,520,000	107		
226771A	м	79 ST RAMP TO HHP	79 ST BT BASIN GAR		AR	Р	4	s	5/9/2012	4.221	F	3,131	\$12,524,000	107		
226771B	м	79 ST RAMP TO GAR	79 ST BT BASIN GAR		AR	Р	21	s	5/22/2012	4.452	F	8,989	\$35,956,000			
226771C	м	GAR RAMP TO 79 ST	79 ST BT BASIN GAR		AR	Р	21	s	5/22/2012	4.435	F	9,095	\$36,380,000	107		
226771D	м	SB HHP RAMP TO 79 ST	79 ST BT BASIN GAR		AR	Р	4	s	5/9/2012	4.516	F	2.601	\$10,404,000			
2269190	м	W 70TH ST	AMTRAK	Α	0		3	s	12/9/2011	5.597	G	17,258	\$69,032,000	107		
2269200	м	RIVERSIDE DRIVE SOUTH	AMTRAK	Α	0		11	s	11/17/2011	6.069	VG	69.040	276,160,000.00	107		
2269210	м	W 68TH ST	AMTRAK	A	0		3	s	12/12/2011	6.576	VG	5,382	\$21,528,000			
M00003	м	HHP ON/OFF RMP-79TH ST SO. SIDE	PED PATH SO. OF 79TH ST		A		1	С	6/6/2012	3.667	F	900		107		
M00004	м	HHP ON/OFF RMP-79TH ST NO. SIDE	PED PATH NO. OF 79TH ST		A		1	С	6/27/2012	5.000	G	900	\$3,600,000			
2232110	м	E 64TH ST PED BRDG	FDR DRIVE		A-PED	Р	11	U	11/23/2011	4.912	F	2,100	\$8,400,000			
2232120	м	E 71ST ST PED BRDG	FDR DRIVE		A-PED	Р	19	С	9/7/2012	5.000	G	340	\$1,360,000			
2232140	м	E 78TH ST PED BRDG	FDR DRIVE		A-PED	Р	9	С	4/17/2012	6.944	VG	3,120	\$12,480,000			
2232167	м	PROMENADE OVER FDR	FDR - E81ST ST - E90TH ST		A-PED	Р	53	s	7/6/2011	3.143	F	93,000	\$372,000,000			
2233040	м	E 60TH ST	FDR DRIVE		Α		17	s	7/3/2012	5.000	G	24,480	\$97,920,000			
224004A	м	TO E 60TH ST FROM QNS	FIRST AVE		OE .		13	s	4/20/2012	5.338	G	14,800	\$59,200,000			\Box
224004B	м	TO QNS FRM E 59TH ST	FIRST AVE		OE OE		13	s	4/20/2012	5.653	G	14,800		108		\forall
224004B	м	TO E 62ND ST FROM QNS	E 60TH - E 61ST ST		OE OE		10	s	8/30/2012	4.985	F	16,720		108		\forall
224004C		25X	NYC GARAGE		OE OE		14	s	4/23/2012	4.829	F	22,058		108		\forall
2269820		E 81 ST PED BRDG	FDR DRIVE N.B.		A-PED	P	3	C	5/15/2012	3.341	F	900		108		\forall
2229349		HHP	W 158 ST	A	A-PED A	г	44	s	12/17/2012	4.155	F	140.000	\$3,600,000			\vdash

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2245230	М	W 148TH ST PED BRDG	AMTRAK 30 ST BRANCH	Α	O-PED	Р	3	С	4/17/2012	4.200	F	1,100	\$4,400,000	109		
2245290	М	W 155TH ST PED BRDG	AMTRAK 30 ST BRANCH	Α	O-PED		3	С	1/27/2012	3.862	F	800	\$3,200,000	109	112	
2246660	М	RIVERSIDE DRIVE	W125TH ST - W134TH ST		0		27	s	7/15/2011	4.306	F	148,300	\$593,200,000	109		
2246670	М	W 134 ST	TERRAIN		0		4	s	7/13/2011	4.833	F	7,500	\$30,000,000	109		
2246720	М	RIVERSIDE DRIVE	W 158TH ST - AMTRAK	Α	0		77	s	12/14/2011	3.472	F	185,658	\$742,632,000	109	112	
2246980	М	RIVERSIDE DRIVE	W 138TH ST		0		1	s	1/19/2012	4.900	F	6,700	\$26,800,000	109		
2266229	м	ннР	PED UNDERPASS @ 148 ST		Α		1	s	2/2/2012	5.000	G	1,840	\$7,360,000	109		
2267130	М	RIVERSIDE DRIVE	W 145TH ST		0		1	s	5/12/2011	4.867	F	5,800	\$23,200,000	109		
2269240	М	RIVERSIDE DRIVE	W. 155TH ST		0		1	s	5/10/2011	4.640	F	2,780	\$11,120,000	109	112	
2246490	М	A.C. POWELL BLVD N.B.	A.C. POWELL BLVD		0		1	s	2/1/2012	4.367	F	3,000	\$12,000,000	110		
2246710	М	W 153 ST	A.C. POWELL BLVD		0		1	s	2/1/2012	4.611	F	3,082	\$12,328,000	110		
2232180	М	E 103RD ST PED BRDG	FDR DRIVE		A-PED		18	С	9/8/2012	4.395	F	4,800	\$19,200,000	111		
2232190	м	E 111TH ST PED BRDG	FDR DRIVE		A-PED	Р	9	С	9/20/2012	4.128	F	4,200	\$16,800,000	111		
2232200	м	E 120TH ST PED BRDG	FDR DRIVE		A-PED	Р	18	С	9/18/2012	3.914	F	3,978	\$15,912,000			
2233059	м	HARLEM RIVER DRIVE	RAMP TO & FROM HRD N.B.		Α		11	s	7/12/2012	3.507	F	51,000	\$204,000,000			
224005A	м	FROM FDR DRIVE	HARLEM RIVER DR		OR		11	s	11/29/2012	7.000	VG	28,233	\$112,932,000	111		
224007A	м	TO MADISON AVENUE	E 138TH ST		OR		7	s	2/9/2012	5.028	G	19,880	\$79,520,000	111		
2240620	м	WARDS ISLAND PED BRDG	HARLEM RIVER		WMO-PED		10	С	4/15/2011	4.097	F	12,600	\$50,400,000	111		
2245319	м	E 97TH ST	METRO NORTH MAIN LN	м	0		1	s	12/7/2012	4.647	F	3,200		111		
2246620	м	W 128TH ST PED BRDG	3RD AVE BRDG APPR		O-PED		18	С	8/11/2011	3.791	F	2,300	\$9,200,000			
2246990	м	E 129TH ST PED BRDG	3RD AVE BRDG RAMP		O-PED		5	С	10/5/2012	4.095	F	1,046	\$4,184,000			
222934A	м	RAMP TO N.B. HHP	AMTRAK WEST SIDE	Α	AR		26	s	8/13/2012	3.875	F	10.800	\$43,200,000			
2229400	м	W 181ST ST PED BRDG	HHP N.B.		A-PED	Р	7	С	2/15/2012	4,477	F	1,500	\$6,000,000			
2245040	м	MARGARET CORBIN DR	PED PATH NEAR CAFÉ		0	Р	1	С	6/29/2012	4.933	F	598	\$2,392,000	112		
2245050	м	MARGARET CORBIN DR	PED PATH NR NO ENTR		0	P	1	С	6/29/2012	4.333	F	889	\$3,556,000			
2245250	м	W 158TH ST	AMTRAK 30 ST BRANCH	Α	0		7	s	12/7/2011	6.125	VG	29,170	\$116,680,000			
2245260	м	W 173RD ST PED BRDG	AMTRAK 30 ST BRANCH	A	O-PED	Р	2	С	4/13/2012	4.533	F	1,500	\$6,000,000			
2245300	м	INWOOD HILL PK FTBR	AMTRAK 30 ST BRANCH	A	O-PED	Р	6	С	2/9/2012	4.100	F	700		112		
2245480	м	TO GWB OPP W 171ST ST	RIVERSIDE DRIVE		0	·	1	s	2/8/2012	4.524	F.	10.773	\$43,092,000		H	
2246489		W 181 ST	RAMP TO WASH BR		0		1	s	2/7/2012	5.333	G	8.200	\$32,800,000			
2246500	м	FORT TRYON PLACE	ENTR FROM RIVERSIDE DR		0	P	1	s	2/8/2012	4,200	F	3,280	\$13,120,000		H	
2246510	м	CORBIN PL OVERPASS	CORBIN PLACE		0	Р	1	s	1/9/2012	5.000	G	2,223	\$8,892,000		H	
2246600	м	W 176TH ST PED BRDG	APPROACH TO G.W.B.		O-PED	•	1	С	3/30/2012	4.172	F	1,200	\$4,800,000		H	
2246690		ISHAM PK VEHICULR	HARLEM RIVER INLET		0	P	1	s	5/4/2012	6.261	VG	911	\$3,644,000			
	M	ISHAM PK PED BRDG			WO-PED	P	1	c	1/6/2012	3.552	VG F	300	\$3,644,000 \$1,200,000			\vdash
2246700	м		HARLEM RV INLET		WO-PED A	r	1									\vdash
2266230		HHP NB	PED UNDERPASS INWD PK					S	1/6/2012	5.000	G	800	\$3,200,000		H	\vdash
2266240	M	HHP SB	PED UNDERPASS INWD PK		Α .		1	S	1/6/2012	5.526	G	1,100		112	H	\vdash
2267240	M	HRD RAMP TO GWB	HARLEM RIVER DR SB		Α		55	S	10/15/2012	3.014	F	122,900	\$491,600,000			\vdash
2268760	M	PS-5 PED BRDG	TENTH AVE		O-PED		5	С	11/29/2012	4.816	F	1,285		112		\vdash
M00001	М	W191ST ST PED TNL	BROADWAY - IRT #1 SUBWAY		O-PED		1	С	12/10/2012	4.545	F	2,000	\$8,000,000	112		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED ROAD	BRIDGE TYPE	OTHER OWNER	SPAN NG S SR C	Inspection Date	Condition BL Rating RT NG		REPLACEMENT COST	CD	CD2	CD3
2245380	М	TRANSVERSE RD #1 WB	PED PATH OPP E 66TH ST	0	Р	1 S	1/6/2012	5.000 G	1,500	\$6,000,000	164		
2245420	М	W 65TH ST ENTR EB	BRIDLE PATH W END	0	Р	1 S	1/17/2012	5.100 G	1,300	\$5,200,000	164		
2246000	м	WEST DR (GREYSHOT ARCH)	PED BET 61ST & 62ST	0	P	1 S	1/10/2012	5.400 G	2,500	\$10,000,000	164		
2246010	м	W 62 ST PED BRDG (PINEBANK ARCH)	BRIDLE PATH	O-PED	P	1 C	7/27/2012	4.262 F	1,000	\$4,000,000	164		
2246030	м	E 62 ST PED BRDG (GAPSTOW BRDG)	THE POND	O-PED	P	1 C	5/25/2012	3.897 F	1,400	\$5,600,000	164		
2246040	м	EAST DR (INSCOPE ARCH)	PED PATH OPP E 62 ST	0	P	1 C	4/4/2012	4.400 F	1,515	\$6,060,000	164		
2246050	м	CENTER DR (DRIPROCK ARCH)	PED OPP 63RD ST	0	P	1 S	1/11/2012	4.867 F	1,725	\$6,900,000	164		
2246069	М	EAST DR (GREEN GAP ARCH)	PED BET E 63ST & E 64ST	0	P	1 S	1/18/2012	4.433 F	2,075	\$8,300,000	164		
2246070	м	CENTER DR (PLAYMATES ARCH)	PED PATH OPP 65TH ST	0	Р	1 C	6/27/2012	4.367 F	1,129	\$4,516,000	164		
2246080	м	WEST DR (DALEHEAD ARCH)	BRIDLE OPP W 64TH ST	0	Р	1 S	1/5/2012	4.667 F	2,000	\$8,000,000	164		
2246090	м	PED BRDG OPP 65 ST	TRANSVERSE RD #1	O-PED	Р	1 C	7/17/2012	4.655 F	2,300	\$9,200,000	164		
2246100	м	CENTER DRIVE	TRANSVERSE RD #1	0	Р	1 S	2/3/2012	4.333 F	6,000	\$24,000,000	164		
2246110	м	EAST DRIVE	TRANSVERSE RD #1	0	Р	1 S	3/23/2012	4.667 F	6,000	\$24,000,000	164		
2246120	м	WEST DRIVE	TRANSVERSE RD #1	0	Р	1 S	3/28/2012	4.967 F	7,900	\$31,600,000	164		
2246130	м	EAST DR (WILLOWDELL ARCH)	PED PATH OPP E 67TH ST	0	Р	1 C	4/25/2012	3.395 F	666	\$2,665,600			
2246140	м	W 72 ST ENTR (RIFTSTONE ARCH)	BRIDLE PATH	0	Р	1 S	1/9/2012	4.600 F	3,600	\$14,400,000	164		
2246150	м	72 ST CROSS DR (TERRACE BRDG)	PED PATH TO FOUNTAIN	0	Р	3 S	3/1/2012	5.786 G	7,300	\$29,200,000	164		
2246160	м	73 ST PED BRDG (BOW BRIDGE)	THE LAKE	WO-PED	Р	1 C	5/25/2012	4.244 F	1,700	\$6,800,000	164		
2246170	м	EAST DR (TREFOIL ARCH)	PED PATH OPP E 73RD ST	0	Р	1 S	1/30/2012	5.130 G	1,900	\$7,600,000	164		
2246230	м	EAST DRIVE	TRANSVERSE RD #2	0	P	1 S	3/21/2012	4.600 F	5,080	\$20,320,000	164		
2246240	м	WEST DRIVE	TRANSVERSE RD #2	0	P	1 S	3/22/2012	4.167 F	7,200	\$28,800,000	164		
2246250	м	EAST DRIVE	TRANSVERSE RD #3	0	Р	1 S	1/18/2012	4.433 F	4,500	\$18,000,000	164		
2246260	м	WEST DRIVE	TRANSVERSE RD #3	0	P	1 S	3/22/2012	4.933 F	5,100	\$20,400,000	164		
2246270	м	EAST DRIVE	TRANSVERSE RD #4	0	Р	1 S	3/23/2012	4.100 F	7,000	\$28,000,000	164		
2246280	м	WEST DRIVE	TRANSVERSE RD #4	0	Р	1 S	3/26/2012	4.300 F	4,700	\$18,800,000			
2246320	м	W77 ST PED (OAK BRDG)	THE LAKE	WO-PED	Р	3 C	12/20/2011	6.684 VG	919	\$3,676,000	164		
2246330	м	WEST DR (BALCONY BRDG)	STREAM TO THE LAKE	wo	Р	1 S	1/16/2012	5.000 G	1,817	\$7,268,000	164		
2246340	м	W77 ST PED (LADIES POND BRDG)	STREAM TO THE LAKE	WO-PED	Р	3 C	12/3/2012	4.355 F	500	\$2,000,000	164		
2246350	м	EAST DR (GREYWACKE ARCH)	PED PATH OPP E 80TH ST	0	Р	1 C	5/4/2012	3.733 F	1,266	\$5,064,000			
2246360	м	WEST DR (WINTERDALE ARCH)	PED PATH OPP W 82 ST	0	Р	1 S	1/17/2012	5.273 G	2,502	\$10,008,000			
2246380	м	W86 ST PED (SW RESERVOIR BRDG)	BRIDLE PATH	O-PED	Р	1 C	11/30/2012	4.852 F	700	\$2,800,000			
2246390	м	E86 ST PED (SE RESERVOIR BRDG)	BRIDLE PATH	O-PED	Р	3 C	10/31/2011	4.509 F	1,100	\$4,400,000			
2246400	м	PED PATH OPP E79 ST	TRANSVERSE RD #2	O-PED	Р	1 C	8/15/2012	4.233 F	3,700	\$14,800,000			
2246410	м	TRNSVRS RD 1 EB (DENESMOUTH ARCH)	PED PATH OPP E 65TH ST	0	P	1 S	1/30/2012	4.636 F	1,739	\$6,956,000			
2246430	м	W110 ST ENTR (MOUNTCLIFF ARCH)	PED PATH OPP W109 ST	0	P	1 S	2/13/2012	4.383 F	1,200	\$4,800,000			
2246440	м	79 TH ST PED BRDG	TRANSVERSE RD #2	O-PED	P	1 C	8/9/2012	3.926 F	5,900	\$23,600,000		H	
2246450	м	E77 ST PED (GLADE ARCH)	PED PATH OPP E77 ST	O-PED	P	1 C	1/24/2012	4.138 F	5,000	\$20,000,000		H	
2246460	м	W77 ST ENTR (EAGLEVALE ARCH)	PED PATH OPP W77 ST	0	P	2 5	1/10/2012	4.136 F	3,066	\$12,264,000			
2246470	M		THE LOCH	wo	P	1 5	1/26/2012	4.203 F				\vdash	
2246470	MQ	EAST DR (HUDDLESTONE ARCH) QUEENSBORO BRIDGE (LL)	EAST RIVER AL	WEO	P	1 S	1/26/2012	4.500 F	1,100 626.900	\$4,400,000 \$2,507,600,000		402	404

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2240048	MQ	QUEENSBORO BRIDGE (UL)	EAST RIVER - LL		WEO		37	s	10/26/2012	4.189	F	322,300	\$1,289,200,000	108	402	401
2240640	MQ	ROOSEVELT ISLAND BRDG	E. RIVER E. CHANNEL		WMO		8	s	11/19/2012	5.611	G	36,500	\$146,000,000	108	401	
2230600	Q	STEINWAY ST	278I WB (BQE)		A		1	s	9/12/2012	6.349	VG	5,229	\$20,916,000	401	<u> </u>	
2230610	Q	STEINWAY ST	278I EB (BQE)		A		1	s	9/13/2012	6.349	VG	5,146	\$20,584,000	401	<u> </u>	
2230620	Q	37TH ST	278I (B.Q.E.)		A		2	s	3/22/2012	4.681	F	5,300	\$21,200,000	401		
2230630	Q	35TH ST	278I (B.Q.E.)		A		4	s	3/22/2012	4.667	F	9,000	\$36,000,000	401		
2230640	Q	32ND ST	278I (B.Q.E.)		Α		2	s	6/24/2011	4.875	F	8,100	\$32,400,000	401		
2230657	Q	31ST ST	278I (B.Q.E.)		A		2	s	12/5/2012	4.569	F	9,500	\$38,000,000	401		
2230690	Q	278I NB (BQE WEST LEG)	32ND AVE		A		1	s	6/22/2012	6.407	VG	4,080	\$16,320,000	401		
2230700	Q	278I NB (BQE EAST LEG)	32ND AVE (TO BQE WEST LEG)		Α		8	s	12/4/2012	6.465	VG	31,600	\$126,400,000	401	403	
2230710	Q	278I SB (BQE WEST LEG)	32ND AVE		Α		1	s	8/2/2011	6.559	VG	5,240	\$20,960,000	401		
2230720	Q	278I SB (BQE EAST LEG)	278I NB (BQE WEST LEG)		Α		3	s	7/22/2011	6.182	VG	20,896	\$83,584,000	401		
2230730	Q	31ST AVE	278I NB (BQE WEST LEG)		Α		1	s	7/15/2011	6.217	VG	5,875	\$23,500,000	401		
2230740	Q	278I SB (BQE WEST LEG)	31ST AVE		Α		1	s	8/1/2011	6.217	VG	5,246	\$20,984,000	401		
2230750	Q	278I SB (BQE EAST LEG)	31ST AVE		Α		1	s	8/1/2011	6.508	VG	4,221	\$16,884,000	401	403	
2230760	Q	278I NB (BQE EAST LEG)	31ST AVE		А		1	s	8/30/2012	6.610	VG	4,161	\$16,644,000	401		
2230770	Q	278I (BQE WEST LEG)	30TH AVE		Α		1	s	6/15/2011	6.322	VG	6,199	\$24,796,000	401		
2230790	Q	BULOVA AVE	278I (BQE WEST LEG)		Α		2	s	4/16/2012	5.278	G	3,300	\$13,200,000	401		
2230800	Q	49TH ST	278I (BQE WEST LEG)		Α		2	s	4/16/2012	5.278	G	4,900	\$19,600,000	401		
2230810	Q	ASTORIA BLVD EB	278I (BQE WEST LEG)		Α		4	s	3/28/2012	4.044	F	8,200	\$32,800,000	401		
2230820	Q	47TH ST	GCP		Α		2	s	5/17/2012	4.889	F	5,700	\$22,800,000	401		
2230830	Q	278I NB (BQE WEST LEG)	GCP		Α		2	s	5/17/2012	4.583	F	7,600	\$30,400,000	401		
2230840	Q	44TH ST	GCP		Α		2	s	5/17/2012	4.764	F	5,000	\$20,000,000	401		
2230890	Q	49TH ST	GCP		Α		2	s	5/17/2012	4.444	F	6,350	\$25,400,000	401		
224004G	Q	TO NY FROM 11TH ST	TERRAIN (CHAMBER)		OE		36	s	8/14/2012	5.268	G	8,360	\$33,440,000	401	402	
2240660	Q	RIKERS ISLAND BRIDGE	RIKERS ISL CHANNEL		wo		56	s	12/18/2012	4.380	F	183,100	\$732,400,000	401	480	
1247280	Q	51 AVE PED BR (2247280)	LIRR MAIN LINE	L	O-PED		5	С	3/8/2012	3.018	F	700	\$2,800,000			
2230520		65TH PLACE	278I (B.Q.E.)		A		2	s	2/7/2012	5.972	G	11,668	\$46,672,000			
2230530	Q	QUEENS BLVD	278I (B.Q.E.)		A		2	s	11/20/2012	6.417	VG	25,543	\$102,172,000			
2230540	Q	WOODSIDE AVE	278I (B.Q.E.)		A		1	s	2/3/2012	5.672	G	7,529	\$30,116,000	402		
2230550		69TH ST	278I (B.Q.E.)		A		2	s	1/19/2012	5.263	G	12,600	\$50,400,000			
2230560		70TH ST	278I (B.Q.E.)		A		2	s	11/20/2012	6.722	VG	8.580	\$34,320,000			\top
2230570	Q	41ST AVE	278I (B.Q.E.)		Α		2	s	11/20/2012	6.735	VG	8,580	\$34,320,000			+
2230570		ROOSEVELT AVE	278I (B.Q.E.)		Α Α		2	s	10/28/2011	5.889	G	11.022	\$44,088,000			+
2230590		BROADWAY	278I (B.Q.E.)		0		2	s	12/6/2012	5.789	G	16.000	\$64,000,000			+
2230590		278I (B.Q.E.)	35TH AVE		Α		1	S	8/3/2011	6.390	VG	13,135	\$52,540,000			+
2230679		278I (B.Q.E.)	34TH AVE		Α Α		1	s	6/7/2011	6.203	VG	7,793	\$32,340,000			+
2230679		278I (B.Q.E.)	NORTHERN BLVD		Α Α		1	S	12/4/2012	6.203	VG	27,011	\$108,044,000			+
2230889		QUEENS BLVD	ACCESS RD BQE S.B.		Α Α		1	S	12/4/2012	5.909	G	7,900	\$108,044,000 \$31,600,000			+-
2230869 224004E		TO NY FR THOMSON AVE	JACKSON AVE	L	OE		94	S	10/17/2012	5.909 4.604	G F	104,600	\$31,600,000 \$418,400,000			+

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD:	2 CD3
224004F	Q	TO NY FROM 21ST ST	21ST ST		OE		63	S 12/19/2012	4.712	F	63,310	\$253,240,000	402	401	
224004H	D	TO 21ST ST FROM NY	22ND ST		OE		43	S 12/18/2012	4.437	F	48,100	\$192,400,000	402		
2240041	D	TO THOMSON AVE FROM NY	JACKSON AVE	L	OE		39	S 12/18/2012	4.951	F	59,100	\$236,400,000	402		
2240410	Ø	BORDEN AVE	DUTCH KILLS		WMO		2	S 7/26/2011	4.792	F	8,400	\$33,600,000	402		
2240450	Q	HUNTERS PT AVE	DUTCH KILLS		WMO		4	S 7/3/2012	5.083	G	12,168	\$48,672,000	402		
2247120	Q	WOODSIDE AVE	LIRR MAIN LINE	L	0		3	S 10/16/2012	4.444	F	14,900	\$59,600,000	402		
2247150	Q	65TH ST	LIRR MAIN LINE	L	0		3	S 10/17/2011	6.375	VG	6,344	\$25,376,000	402		
2247160	Q	65TH PLACE	LIRR MAIN LINE	L	0		3	S 10/20/2011	6.441	VG	8,381	\$33,524,000	402	L	
2247260	Q	JACKSON AVE	LIRR MONTAUK DIV	L	0		1	S 10/22/2012	6.117	VG	4,517	\$18,068,000	402	L	
2247270	Q	21ST ST	LIRR N SIDE DIV	L	0		6	S 11/14/2011	5.153	G	17,590	\$70,360,000	402		
2247290	Q	49TH AVE	LIRR,AMTRAK	L	0		5	S 12/3/2012	4.014	F	20,400	\$81,600,000	402	L	
2247300	Q	THOMPSON AVE	AMTRAK & LIRR YARD	AL	0		14	S 12/6/2012	5.042	G	61,280	\$245,120,000	402	L	
2247310	Q	QUEENS BLVD	AMTRAK & LIRR YARD	AL	0		19	S 12/6/2012	6.268	VG	92,400	\$369,600,000	402	401	
2247320	Q	HONEYWELL ST	AMTRAK & LIRR YARD	AL	0		22	S 11/4/2011	5.903	G	99,036	\$396,144,000	402	401	
2247330	Q	39TH ST (NORTH)	SUNNYSIDE YARD	Α	0		14	S 10/31/2011	6.556	VG	48,200	\$192,800,000	402	401	
2247370	Q	37TH AVE	CSX - HELLGATE	С	0		1	S 8/29/2011	6.234	VG	6,868	\$27,472,000	402	L	
2247380	Q	ROOSEVELT AVE	CSX - HELLGATE	С	0		2	S 8/30/2011	6.333	VG	7,380	\$29,520,000	402	403	404
2247390	Q	41ST AVE	CSX - HELLGATE	С	0		2	S 9/8/2011	4.942	F	4,400	\$17,600,000	402	404	
2247400	Q	WOODSIDE AVE	CSX TRANSPORT	С	0		1	S 9/8/2011	5.033	G	8,200	\$32,800,000	402	404	,
2247410	Q	43RD AVE	CSX TRANSPORT	С	0		1	S 9/8/2011	5.000	G	4,800	\$19,200,000	402	404	,
2247420	Q	44TH AVE	CSX TRANSPORT	С	0		1	S 9/6/2011	5.000	G	5,100	\$20,400,000	402	404	,
2247430	Q	45TH AVE	CSX TRANSPORT	С	0		1	S 9/9/2011	5.306	G	2,400	\$9,600,000	402	404	
2247640	Q	39TH ST (SOUTH)	AMTRAK & LIRR YARD	AL	0		9	S 10/28/2011	6.014	VG	34,100	\$136,400,000	402		
2230780	Q	278I (BQE EAST LEG)	30TH AVE		Α		1	S 6/14/2011	6.206	VG	7,071	\$28,284,000	403	401	
1247010	Q	91 PLACE (2247010)	LIRR PT WASH BR	L	0		1	S 11/3/2011	6.567	VG	2,760	\$11,040,000	404		
2247020	Q	94TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		5	C 4/9/2012	4.091	F	500	\$2,000,000	404		
2247180	Q	GRAND AVE	LIRR MAIN LINE	L	0		3	S 10/24/2012	4.396	F	7,415	\$29,660,000	404		
2247190	Q	55TH AVE PED BRDG	LIRR MAIN LINE	L	O-PED		3	C 4/3/2012	4.240	F	13,000	\$52,000,000	404		
2248159	Q	WOODHAVEN BLVD	QUEENS BLVD		0		2	S 8/7/2012	4.275	F	11,500	\$46,000,000	404		
1247560	Q	METROPOLITAN AVE	LIRR -NY&ATL	LN	0		2	S 10/3/2012	3.603	F	20,900	\$83,600,000	405	L	
2065930	Q	HAMILTON PLACE	495I (L.I.E.)		Α		2	S 3/5/2012	5.611	G	11,111	\$44,444,000	405	L	
2065940	Q	GRAND AVE	495I (L.I.E.)		A		2	S 12/6/2012	4.861	F	12,850	\$51,400,000	405	L	
2065950	Q	69TH STREET	495I (L.I.E.)		A		2	S 7/27/2011	5.250	G	10,336	\$41,344,000	405	L	
2230040	Q	CYPRESS HILLS ST	JACKIE ROBINSON PKWY		A		1	S 4/5/2012	4.722	F	5,000	\$20,000,000	405		
2230099	Q	JACKIE ROBINSON PKWY	CYPRESS HILLS CEMETRY		A		1	S 1/5/2012	5.444	G	4,200	\$16,800,000	405		
2230120	Q	MYRTLE AVE	JACKIE ROBINSON PKWY		A		1	S 4/26/2012	5.250	G	6,400	\$25,600,000	405	482	
2247440	Q	GRAND AVE	CSX TRANSPORT	С	0		1	S 9/9/2011	6.183	VG	3,280	\$13,120,000	405		
2247450	Q	57TH AVE	CSX TRANSPORT	С	0		1	S 9/9/2011	6.073	VG	2,248	\$8,992,000	405		
2247460	Q	CALDWELL AVE	CSX TRANSPORT	С	0		1	S 12/17/2012	5.889	G	2,243	\$8,972,000	405		
2247470	Q	ELIOT AVE	CSX TRANSPORT	С	0		1	S 10/4/2011	5.083	G	2,960	\$11,840,000	405		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD	2 CD3
2247480	Q	JUNIPER BLVD SO	CSX TRANSPORT	С	0		1	S 10/5/2011	5.000	G	9,000	\$36,000,000	405		
2247490	Q	69TH STREET	CSX TRANSPORT	С	0		1	S 12/17/2012	4.979	F	6,175	\$24,700,000	405		
2247500	Q	METROPOLITAN AVE	CSX TRANSPORT	С	0		1	S 10/5/2011	4.233	F	18,650	\$74,600,000	405		
2247530	Q	ANDREWS AVE	LIRR MONTAUK DIV	L	0		1	S 9/22/2011	7.000	VG	1,765	\$7,060,000	405		
2247540	Q	60TH ST	LIRR MONTAUK DIV	L	0		2	S 10/5/2011	5.208	G	5,340	\$21,360,000	405		
2247550	Q	ELIOT AVE	LIRR MONTAUK DIV	L	0		2	S 9/19/2011	5.712	G	9,550	\$38,200,000	405		
2247570	Q	80TH ST	77TH AVE - LIRR MT	L	0		5	S 11/27/2012	5.102	G	11,725	\$46,900,000	405		
2247650	Q	60TH RD PED BRDG	LIRR MAIN LINE	L	O-PED		3	C 3/7/2012	4.786	F	2,293	\$9,172,000	405	406	ò
2248200	Q	RUST ST	FLUSHING AVE		0		1	S 7/13/2011	5.000	G	2,940	\$11,760,000	405		
2248220	Q	SERVICE RD TURNAROUND	FLUSHING AVE		0		1	S 7/13/2011	5.078	G	2,940	\$11,760,000	405		
2248240	Q	FLUSHING AV SERVICE RD	FLUSHING AVE		0		1	S 7/12/2011	5.250	G	2,940	\$11,760,000	405		
2248280	D	HIGHLAND PK PED.	PEDESTRIAN PATH		O-PED	Р	1	C 10/1/2012	3.667	F	1,900	\$7,600,000	405		
2248300	ρ	71ST AVE	COOPER AVE		0		1	S 7/12/2011	4.373	F	2,800	\$11,200,000	405		
1247200	Q	67 AVE PED BR (2247200)	LIRR MAIN LINE	L	O-PED		3	C 4/3/2012	4.219	F	1,300	\$5,200,000	406	i	
2066002	Q	4951 (2066000)	WOODHAVEN BLVD		Α		2	S 6/14/2011	5.592	G	25,200	\$100,800,000	406	404	
2247630	ρ	PED BRG NEAR UNION TPK	ABANDONED LIRR		O-PED		8	C 8/30/2012	5.077	G	1,449	\$5,796,000	406		
2248160	ρ	ELLIOT AVE	QUEENS BLVD		0		2	S 8/7/2012	4.804	F	13,785	\$55,140,000	406		
1065210	Q	WHITESTONE EXP NB	BCIP (2065210)		Α		1	S 7/24/2012	4.603	F	2,500	\$10,000,000	407		
2055801	ρ	NORTHERN BLVD WB	FLUSHING RIVER		wo		40	S 11/21/2012	4.338	F	71,900	\$287,600,000	407		
2055802	Q	NORTHERN BLVD EB	FLUSHING RIVER		wo		40	S 11/21/2012	4.324	F	78,894	\$315,576,000	407		
205580A	D	N.BLVD WB TO 678I SB	VACANT LAND		AR		16	S 6/19/2012	5.619	О	8,600	\$34,400,000	407		
2231900	Q	BCIP	TOTTEN AVE		Α		1	S 6/1/2012	4.609	F	4,900	\$19,600,000	407		
2231910	D	UTOPIA PKWY	BCIP		A		2	S 3/15/2012	5.114	О	7,200	\$28,800,000	407		
2231920	D	160TH ST	BCIP		A		2	S 6/27/2011	5.750	О	5,550	\$22,200,000	407		
2231930	D	FRANCIS LEWIS BLVD	BCIP		Α		3	S 2/3/2012	4.682	F	9,100	\$36,400,000	407		
2231940	D	CLINTONVILLE ST	BCIP		Α		2	S 2/3/2012	4.705	F	7,400	\$29,600,000	407		
2231950	D	150TH ST	BCIP		A		2	S 2/8/2012	4.682	F	5,900	\$23,600,000	407		
2231960	Q	149TH ST	BCIP		A		2	S 2/8/2012	4.795	F	6,210	\$24,840,000	407		
2231970	Q	14TH AVE	BCIP		Α		2	S 2/8/2012	4.614	F	8,100	\$32,400,000	407		
2231980	Q	147TH ST	BCIP		Α		2	S 3/8/2012	4.705	F	6,300	\$25,200,000	407		
2240507	Q	ROOSEVELT AVE	678I - FLUSHING RIVER		WA		27	S 11/30/2012	3.465	F	84,424	\$337,696,000	407	481	
2247040	Q	UNION ST	LIRR PORT WASH BR	L	0		1	S 9/12/2011	6.234	VG	3,313	\$13,252,000	407		
2247050	Q	BOWNE AVE	LIRR PORT WASH BR	L	0		1	S 10/4/2012	5.333	G	4,974	\$19,896,000	407		
2247060	D	PARSONS BLVD	LIRR PORT WASH BR	L	0		1	S 10/5/2012	4.824	F	4,200	\$16,800,000	407		
2247070	Q	147TH ST	LIRR PORT WASH BR	L	0		1	S 9/13/2011	5.471	G	2,800	\$11,200,000	407		
2247080	Q	149TH ST	LIRR PORT WASH BR	L	0		1	S 12/10/2012	4.776	F	4,100	\$16,400,000	407	L	
2247090	ο	149TH PLACE	LIRR PORT WASH BR	L	0		2	S 9/13/2011	5.000	G	4,300	\$17,200,000	407	_	
2247100	ο	150TH ST	LIRR PORT WASH BR	L	0		2	S 9/13/2011	6.029	VG	7,830	\$31,320,000	407		
2247110	Q	MURRAY ST	LIRR PORT WASH BR	L	0		1	S 9/15/2011	5.370	G	4,000	\$16,000,000	407	L	
2248090	Q	FLSHG MDW PK PED	COLLEGE POINT BLVD		O-PED	Р	3	C 2/23/2012	4.694	F	8,400	\$33,600,000	407		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2266160	Q	678I SB TO BCIP EB	ACCESS RD FROM 678I		Α		1	s	7/24/2012	3.734	F	2,300	\$9,200,000	407	Ш.	Ш
7705510	Q	167TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		3	С	3/12/2012	3.902	F	600	\$2,400,000	407	L	
2248059	Q	MOTOR PKWY (PED)	FRANCIS LEWIS BLVD		O-PED	P	2	С	6/14/2012	4.194	F	2,800	\$11,200,000	408	$oxed{oxed}$	
2248080	Q	MOTOR PKWY (PED)	HOLLIS COURT BLVD		O-PED	Р	3	С	11/21/2012	4.612	F	2,700	\$10,800,000	408	L	
2248100	Q	MOTOR PKWY (PED)	73RD AVE		O-PED	P	3	С	2/2/2012	4.541	F	2,600	\$10,400,000	408		
2267160	Q	ROOSEVELT AVE	FLUSHING MDW PK ROAD		0		4	s	8/10/2011	4.746	F	7,280	\$29,120,000	408		
2267199	Q	FRANCIS LEWIS BLVD	CUNNINGHAM PK RD		0		1	s	5/27/2011	5.033	G	7,085	\$28,340,000	408		
2230209	Q	QUEENS BLVD	JACKIE ROBINSON PKWY	т	Α		5	s	7/9/2012	4.968	F	37,700	\$150,800,000	409		
2247220	Q	80TH ROAD	LIRR MAIN LINE	L	0		3	s	9/29/2011	4.857	F	4,100	\$16,400,000	409		
2247230	Q	82ND AVE	LIRR MAIN LINE	L	0		3	s	9/21/2011	5.377	G	4,100	\$16,400,000	409		
2247240	Q	LEFFERTS BLVD	LIRR MAIN LINE	L	0		3	s	9/29/2011	5.806	G	5,460	\$21,840,000	409		
2247590	Q	FOREST PARK DRIVE	LIRR MONTAUK DIV	٦	0	Р	5	s	10/1/2012	5.158	G	6,000	\$24,000,000	409		
2247600	Q	PARK LANE SOUTH	LIRR MONTAUK DIV	L	0		1	s	10/18/2012	6.983	VG	3,024	\$12,096,000	409	482	
2247660	Q	FOREST PARK DRIVE	ABANDONED LIRR		0	Р	6	s	2/23/2012	4.524	F	10,000	\$40,000,000	409		
2248019	Q	WOODHAVEN BLVD	ATLANTIC AVE		0		3	s	4/5/2012	4.236	F	19,400	\$77,600,000	409		
2248299	Q	J.R. PKWY-UNION TPKE	AUSTIN ST		0		1	s	5/30/2012	4.806	F	5,900	\$23,600,000	409	406	
2248340	Q	FOREST PARK DR	MYRTLE AVE		0	Р	3	s	6/13/2011	4.984	F	5,100	\$20,400,000	409		
2231559	Q	CROSS BAY BLVD	BSHP		Α		4	s	6/1/2012	5.139	G	23,205	\$92,820,000	410		
2231560	Q	S CONDUIT BLVD	BSOP		Α		2	s	7/12/2012	5.296	G	15,776	\$63,104,000	410		
2231570	Q	COHANCY ST	BSOP		Α		2	s	4/24/2012	4.395	F	6,400	\$25,600,000	410		
2231590	Q	130TH ST	BSOP		Α		2	s	1/30/2012	4.659	F	6,800	\$27,200,000	410		
2240650	Q	163RD AVE PED BRDG	HAWTREE BASIN		WO-PED		13	С	9/19/2011	4.174	F	5,000	\$20,000,000			
2248020	Q	WHITELAW PED BRDG	CONDUIT AVE		O-PED		7	С	9/28/2012	4.775	F	5,500	\$22,000,000	410		
2248039	Q	CROSS BAY BLVD	NASSAU EXPWY - RTE 27		0		2	s	6/23/2011	6.347	VG	16,544	\$66,176,000	410		
2248040	Q	RAMP TO LINDEN BLVD	SO. CONDUIT AVE		0		1	s	5/30/2012	5.200	G	3,352	\$13,408,000			
2248250	Q	102ND ST	HAWTREE BASIN		wo		3	s	8/15/2011	5.941	G	4,900	\$19,600,000	410		
2231860	Q		BCIP		A		2	s	7/20/2011	5.474	G	7,200	\$28,800,000			
2231870	Q		BCIP		Α		2	s	8/28/2012	5.875	G	9,400	\$37,600,000			
2231880	Q		BCIP		A-PED	Р	9	С	6/23/2011	4.188	F	2,300	\$9,200,000		t	
2231890	Q		BCIP		A-PED	Р	24	С	6/11/2012	4.517	F	7,600	\$30,400,000			
2240440	Q		ALLEY CREEK		wo		2	s	8/9/2012	4.681	F	8,300	\$33,200,000			
2247130	Q	CORPORAL KENNEDY ST	LIRR PORT WASH BR	L	0		1	s	11/3/2011	6.235	VG	3.379	\$13,516,000		t	
2247140	Q	BELL BLVD	LIRR PORT WASH BR	L	0		1	s	9/14/2011	5.780	G	4,320	\$17,280,000		t	
2247170	Q	DOUGLASTON PKWY	LIRR PORT WASH BR	L	0		3	s	10/19/2012	4.746	F	6,300	\$25,200,000			
2247680	Q	221ST ST	LIRR PORT WASH BR	L	0		3	s	9/14/2011	5.926	G	6,050	\$24,200,000		 	\Box
2248060	Q		BELL BLVD	-	O-PED	P	2	С	6/22/2012	4.208	F	2,650	\$10,600,000		 	
2248070	Q		SPRINGFIELD BLVD		O-PED	P	3	С	6/5/2012	3.582	F	2,900	\$11,600,000			
2248070	Q	DOUGLASTON PKWY	BCIP SB			F	1	s	3/19/2012	4.592	F	4,400	\$17,600,000		\vdash	
					Α						+				\vdash	
2266139	Q	DOUGLASTON PKWY	BCIP NB		A		1	S	3/20/2012	4.673	F	6,400	\$25,600,000		\vdash	
7703720	Q	216TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		6	С	3/13/2012	3.889	F	400	\$1,600,000	411		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2231610	Q	GUY R. BREWER BLVD	BSOP		A		4	s	6/2/2011	6.222	VG	12,342	\$49,368,000	413	L	
2231620	Q	FARMERS BLVD	BSOP		A		2	s	5/10/2012	4.477	F	6,400	\$25,600,000	413	L	
2231630	Q	SPRINGFIELD BLVD	BSOP		A		2	s	5/10/2012	4.591	F	8,500	\$34,000,000	413	L	
2231640	Q	225TH ST	BSOP		A		2	s	5/10/2012	4.614	F	7,000	\$28,000,000	413	L	
2231650	Q	SUNRISE HWY W.B.	BLP E.B.		Α		1	s	4/2/2012	4.393	F	4,100	\$16,400,000	413	L	
2231660	Q	SUNRISE HWY W.B.	BLP W.B.		Α		2	s	3/6/2012	4.565	F	5,350	\$21,400,000	413	L	
2231670	Q	N CONDUIT AVE WB	BLP E.B.		A		1	s	1/25/2012	4.917	F	4,000	\$16,000,000	413	L	
2231680	Q	N CONDUIT AVE WB	BLP W.B.		Α		2	s	1/25/2012	4.932	F	6,500	\$26,000,000	413	L	
2231690	Q	FRANCIS LEWIS BLVD	BLP E.B.		A		1	s	3/29/2012	5.167	G	6,000	\$24,000,000	413	L	
2231700	Q	FRANCIS LEWIS BLVD	BLP W.B.		A		1	s	3/29/2012	4.700	F	6,000	\$24,000,000	413	L	
2231710	Q	MERRICK BLVD	BLP N.B.		Α		1	s	2/22/2012	4.467	F	6,000	\$24,000,000	413	L	
2231720	Q	MERRICK BLVD	BLP S.B.		A		1	s	2/15/2012	4.200	F	6,000	\$24,000,000	413	L	
2231730	Q	130TH AVE	BLP N.B.		A		1	s	1/20/2012	5.267	G	4,400	\$17,600,000	413		
2231740	Q	130TH AVE	BLP S.B.		Α		1	s	1/20/2012	4.833	F	4,400	\$17,600,000	413		
2231750	Q	LINDEN BLVD	ВСІР		Α		2	s	3/2/2012	4.250	F	6,700	\$26,800,000	413		
2231760	Q	BCIP	DUTCH BROADWAY-115 AVE		Α		1	s	3/6/2012	4.047	F	7,300	\$29,200,000	413		
2231770	Q	BELMONT PARK RAMP	BCIP		Α	Р	1	s	2/3/2012	4.688	F	3,200	\$12,800,000	413		
2231780	Q	HEMPSTEAD AVE	BCIP		Α		2	S	2/3/2012	4.065	F	14,200	\$56,800,000	413		
2231790	Q	BELMONT PARK RAMP	ВСІР		Α	P	1	s	1/13/2012	4.563	F	3,400	\$13,600,000	413		
2231800	Q	SUPERIOR ROAD	BCIP		Α		2	s	4/12/2012	4.659	F	7,000	\$28,000,000	413		
2231819	Q	JAMAICA AVE	BCIP		Α		2	s	3/23/2012	4.773	F	11,500	\$46,000,000	413		
2231829	Q	BRADDOCK AVE	BCIP		Α		2	s	3/23/2012	4.955	F	10,600	\$42,400,000	413		
2231840	Q	HILLSIDE AVE	BCIP		Α		2	s	3/30/2012	4.026	F	9,672	\$38,688,000	413		
2231850	Q	UNION TPKE	BCIP		Α		2	s	3/28/2012	4.409	F	13,600	\$54,400,000	413	П	
2248110	Q	MOTOR PKWY (PED)	ALLEY PK PED WALK		O-PED	Р	1	С	6/7/2012	3.983	F	1,000	\$4,000,000	413	П	
2248129	Q	UNION TPKE	CREEDMOORE HOSP RD		0		1	s	6/24/2011	4.867	F	3,500	\$14,000,000	413	П	
2266149	Q	HEMPSTEAD AVE	BCIP RAMP NB		Α		2	s	3/15/2012	3.937	F	9,500	\$38,000,000	413	П	
2266770	Q	BCIP	LAURELTON PKWY		Α		1	s	3/8/2012	4.972	F	9,508	\$38,032,000	413	П	
2268770	Q	SPRINGFIELD BLVD	EQUES. PATH (ABAND.)		0		1	s	6/3/2011	4.667	F	1,470	\$5,880,000	413	П	
2300130	Q	ROCKAWAY BLVD	HOOK CREEK		wo		3	s	8/17/2011	6.271	VG	18,302	\$73,208,000	413	П	
Q00002	Q	BCIP	PATH OPP. 88TH RD		Α		1	С	6/8/2012	4.667	F	1,272	\$5,088,000	413	П	
2248130	Q	FLUSHING MEADOW PK PED	WILLOW LK&76TH RD		WO-PED	Р	4	С	4/20/2002	1.000	С	1,891	\$7,564,000	481	Т	П
2248140	Q	FLUSHING MEADW PK RD	STREAM N OF LIE		wo	Р	5	s	8/19/2011	4.481	F	4,100	\$16,400,000	481	П	
2248260	Q	FLUSHING MDW PARK RD	MEADOW LAKE		wo	Р	5	s	5/22/2012	4.458	F	4,200	\$16,800,000	481		
2248379	Q	FLUSHING MDW PARK RD	AQUACADE LAKE		wo	Р	5	s	8/19/2011	4.296	F	6,300	\$25,200,000	481	Т	
2230179	Q	JACKIE ROBINSON PKWY	METROPOLITAN AVE		A		2	s	5/4/2012	5.286	G	8,673	\$34,692,000	482		
2230180	Q	UNION TPKE	JACKIE ROBINSON PKWY		А		1	s	2/1/2012	5.672	G	5,359	\$21,436,000			
2230190		MARKWOOD ROAD	JACKIE ROBINSON PKWY		A		1	s	2/1/2012	5.167	G	4,400	\$17,600,000			\Box
2247620		MYRTLE AVE	ABANDONED LIRR		0		3	s	1/6/2012	5.028	G	6,725	\$26,900,000			
2248369		ROCKAWAY BLVD	THURSTON BASIN		wo		2	s	8/17/2011	5.474	G	6,000	\$24,000,000			

INVENTORY SORTED BY BOROUGH AND COMMUNITY BOARD DISTRICT

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2248230	Q	BEACH CHANNEL DR WB	BEACH CHANNEL DR EB		0		1	s	7/13/2011	4.400	F	3,600	\$14,400,000	484	Ш	
2249040	R	TOMPKINS AVE	B&O RR (ABANDONED)		0		1	s	5/9/2012	5.953	G	5,096	\$20,384,000	501	Ш	
2249070	R	JOHN ST	B&O RR (ABANDONED)	0	O-PED		2	С	8/30/2012	5.620	G	1,050	\$4,200,000	501	Ш	
2249090	R	MORNINGSTAR ROAD	B&O RR (ABANDONED)	0	0		4	s	5/3/2012	4.864	F	7,900	\$31,600,000	501	Ш	
2249100	R	GRANITE AVE	B&O RR (ABANDONED)	0	0		4	s	3/13/2012	6.034	VG	7,300	\$29,200,000	501	Ш	
2249110	R	LAKE AVE	B&O RR (ABANDONED)	0	0		3	s	5/1/2012	5.333	G	5,900	\$23,600,000	501		
2249120	R	SIMONSON AVE	B&O RR (ABANDONED)	0	0		3	s	4/26/2011	5.963	G	5,819	\$23,276,000	501		
2249130	R	VAN NAME AVE	B&O RR (ABANDONED)	О	0		3	s	7/3/2012	5.186	G	5,474	\$21,896,000	501		
2249140	R	VAN PELT AVE	B&O RR (ABANDONED)	О	0		3	s	4/28/2011	5.576	G	5,000	\$20,000,000	501		
2249160	R	DE HART AVE	B&O RR (ABANDONED)	О	o		4	s	4/27/2011	6.389	VG	6,700	\$26,800,000	501		
2249170	R	UNION AVE	B&O RR (ABANDONED)	0	0		4	s	4/29/2011	5.167	G	6,500	\$26,000,000	501		
2249180	R	HARBOR ROAD	B&O RR (ABANDONED)	0	О		4	s	8/20/2011	6.220	VG	5,778	\$23,112,000	501		
2249200	R	SOUTH AVE	B&O RR (ABANDONED)	О	0		3	s	8/20/2011	6.709	VG	8,322	\$33,288,000	501		
2249510	R	TOMPKINS AVE	WILLOW AVE, SIRT	s	0		2	s	10/24/2012	5.358	G	5,378	\$21,512,000	501	П	
2249520	R	HANNAH ST	SIRT SOUTH SHORE	s	0		10	s	9/22/2011	4.898	F	10,020	\$40,080,000	501	П	
2249530	R	MINTHORNE ST PED BRDG	SIRT SOUTH SHORE	s	O-PED		26	С	10/4/2012	4.453	F	6,000	\$24,000,000	501	П	
2249710	R	WEST FOOTBRIDGE	CLOVE LAKE		WO-PED	Р	2	С	8/1/2011	4.086	F	900	\$3,600,000	501	П	
2249720	R	EAST FOOTBRIDGE	CLOVE LAKE		WO-PED	Р	2	С	8/2/2011	4.229	F	900	\$3,600,000	501		
2249730	R	BRIDGE OVER DAM	N.END CLOVE LAKE		WO-PED	Р	1	С	8/1/2011	3.351	F	1,000	\$4,000,000	501	П	
2249760	R	MARTLINGS AVE	RICHMOND LAKE DAM		wo		2	s	6/9/2011	4.600	F	7,000	\$28,000,000	501	П	
2249770	R	S OF BROOKS LAKE	STREAM IN PARK		WO-PED	Р	3	С	12/3/2012	4.946	F	700	\$2,800,000	501		
2249780	R		BROOKS LAKE DAM		WO-PED	Р	1	С	5/24/2012	3.433	F	800	\$3,200,000		\Box	
2249790	R	FB S OF FOREST AV	STREAM IN PARK		WO-PED	Р	3	С	10/5/2012	4.651	F	700	\$2,800,000	501		
2249800	R	FOREST AVE	CLOVE LAKES PK STREAM		wo	Р	1	s	10/7/2011	4.567	F	1,600	\$6,400,000	501		
2249840	R	TOMPKINS AVE	GREENFIELD AVE		0		1	s	3/2/2012	5.021	G	2,690	\$10,760,000		П	
2269730	R	PARKING EXIT RAMP	SIRT	s	0	F	10	s	11/30/2012	6.097	VG	20,727	\$82,908,000	501		
2269740	R	BUS STATION NORTH	SIRT	s	0	F	12	s	10/26/2012	4.660	F	64,605	\$258,420,000			
2269750	R		SIRT	s	0	F	12	s	11/14/2012	5.360	G	154,688	\$618,752,000			
2269760	R		SIRT	s	0	F	9	s	11/30/2012	6.278	VG	17,589	\$70,356,000			
2269770	R		SIRT	s	0	F	19	s	11/26/2012	4.181	F	39,333	\$157,332,000			
2269780	R		SIRT	s	0	F	3	s	11/12/2012	5.944	G	8,589	\$34,356,000		П	
2269790	R		SIRT	s	0	F.	7	s	10/22/2012	4.778	F	28.721	\$114.884.000		\Box	_
2270170	R		PARKING LOT EXIT RDWY		O-PED	F F	5	С	6/17/2010	3.163	F	2,917	\$11,668,000	-	\Box	_
2270180	R	BOROUGH PLACE - RAMP A	STATEN ISLAND RAILWAY	s	0	F	1	s	12/29/2005	4.938	F	1,250	\$5,000,000		\Box	
2240350	R	RICHMOND AVE	RICHMOND CREEK		wo		3	s	6/8/2011	5.472	G	32,589	\$130,356,000			
2249400	R	BEACH AVE	SIRT SOUTH SHORE	s	o		2	s	8/4/2011	5.472	G	3,700	\$130,356,000		\vdash	—
2249400	R	ROSS AVE	SIRT SOUTH SHORE	s	0		2	s	8/4/2011	5.364	G	3,800			\vdash	
													\$15,200,000		\vdash	_
2249420	R		SIRT SOUTH SHORE	s	0		2	s	8/8/2011	5.409	G	3,800	\$15,200,000		\vdash	_
2249430	R		SIRT SOUTH SHORE	S	0		2	S	10/14/2011	4.847	F	7,600	\$30,400,000		\vdash	_
2249440	R	BANCROFT AVE	SIRT SOUTH SHORE	S	0		3	S	10/13/2011	5.328	G	5,900	\$23,600,000	502	-	

INVENTORY SORTED BY BOROUGH AND COMMUNITY BOARD DISTRICT

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CE	02 CD3
2249450	R	FREMONT AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		3	С	7/27/2012	3.618	F	800	\$3,200,000	502	2	
2249460	R	LINCOLN AVE	SIRT SOUTH SHORE	s	0		1	s	11/18/2011	5.172	G	4,500	\$18,000,000	502	2	
2249470	R	MIDLAND AVE	SIRT SOUTH SHORE	s	0		1	s	11/22/2011	5.466	G	3,000	\$12,000,000	502	2	
2249480	R	FINGERBOARD ROAD	SIRT SOUTH SHORE	s	0		2	s	10/5/2011	6.486	VG	5,100	\$20,400,000	502	2	
2249490	R	CLOVE ROAD	SIRT SOUTH SHORE	s	0		3	s	10/25/2012	5.917	G	5,104	\$20,416,000	502	2	
2249860	R	SLATER BLVD	NEW CREEK		wo		1	s	5/4/2011	5.510	G	2,037	\$8,148,000	502	2	
2249870	R	TRAVIS AVE	MAIN CREEK		wo		1	s	9/26/2011	5.483	G	1,700	\$6,800,000	502	2	
2249880	R	CHELSEA ROAD	SAWMILL CREEK		wo		1	s	5/6/2011	6.816	VG	2,205	\$8,820,000	502	2	
2249210	R	MAIN ST PED BRDG	SIRT SOUTH SHORE	s	O-PED		9	С	7/24/2012	4.123	F	400	\$1,600,000	503	3	
2249230	R	TRACY AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		9	С	7/19/2012	3.553	F	635	\$2,540,000	503	3	\Box
2249240	R	ARTHUR KILL ROAD	SIRT SOUTH SHORE	s	0		1	s	10/22/2012	4.648	F	3,650	\$14,600,000	503	3	
2249250	R	BETHEL AV PED BRDG	SIRT SOUTH SHORE	s	O-PED		12	С	7/20/2012	3.525	F	111	\$444,000	503	3	\Box
2249269	R	PAGE AVE	SIRT SOUTH SHORE	s	0		4	s	8/25/2011	5.889	G	30,710	\$122,840,000	503	3	\Box
2249270	R	RICHMOND VALLY ROAD	SIRT SOUTH SHORE	s	0		4	s	8/23/2011	5.284	G	9,440	\$37,760,000	503	3	
2249280	R	CHAMP COURT PED BRDG	SIRT SOUTH SHORE	s	O-PED		7	С	7/20/2012	4.036	F	595	\$2,380,000	503	3	
2249290	R	SEGUINE AVE	SIRT SOUTH SHORE	s	0		1	s	9/26/2011	6.016	VG	3,250	\$13,000,000	503	3	\Box
2249300	R	HUGUENOT AVE	SIRT SOUTH SHORE	s	0		2	s	10/3/2011	4.788	F	4,900	\$19,600,000	503	3	\Box
2249320	R	ALBEE AVE	SIRT SOUTH SHORE	s	0		3	s	10/4/2011	4.492	F	6,500	\$26,000,000	503	3	\Box
2249330	R	ANNADALE ROAD	SIRT SOUTH SHORE	s	0		1	s	8/17/2011	6.433	VG	3,540	\$14,160,000	503	3	
2249350	R	NELSON AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		3	С	7/25/2012	4.115	F	300	\$1,200,000	503	3	\Box
2249360	R	GIFFORDS LANE	SIRT SOUTH SHORE	s	0		1	s	10/23/2012	5.531	G	3,042	\$12,168,000	503	3	\Box
2249370	R	GREAVES AVE	SIRT SOUTH SHORE	s	0		1	s	8/16/2011	6.550	VG	2,650	\$10,600,000	503	3	
2249380	R	GUYON AVE	SIRT SOUTH SHORE	s	0		3	s	9/9/2011	4.377	F	6,900	\$27,600,000	503	3	\Box
2249390	R	CEDARVIEW AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		5	С	7/26/2012	3.615	F	625	\$2,500,000	503	3	
2249580	R	BELFIELD AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		5	С	10/5/2012	3.902	F	400	\$1,600,000	503	3	
2249810	R	HYLAN BLVD	LEMON CREEK		wo		1	s	2/15/2012	6.313	VG	11,400	\$45,600,000	503	3	
2249820	R	ARTHUR KILL ROAD	ARTHUR KILL STREAM		wo		1	s	5/5/2011	4.184	F	1,300	\$5,200,000	503	3	
2268920	R	AMBOY ROAD	LEMON CREEK		wo		1	s	2/15/2012	6.333	VG	1,310	\$5,240,000	503	3	
787 OPEN BRI	DGES			OPEN	N SPANS 4,398					OPEN SF		14,533,529	\$ 58,141,680,000	ALI		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2 C	D3
2243310	к	2ND AVE	LIRR BAY RIDGE	N	o		2	s	10/2/2012	6.236	VG	17,751	\$71,004,000	310		
2243320	к	3RD AVE	LIRR BAY RIDGE	N	0		4	s	9/14/2011	5.083	G	17,230	\$68,920,000	310		
2244160	K	3RD AVE	SHORE RD DRIVE		0		1	s	5/24/2011	6.727	VG	4,360	\$17,440,000	310		
2231270	к	4TH AVE	BSHP		Α		2	s	3/16/2012	4.579	F	6,100	\$24,400,000	310		
2243330	к	4TH AVE	LIRR BAY RIDGE	NT	0		4	s	8/30/2011	5.653	G	13,668	\$54,672,000	310		
2243839	K	4TH AVE	NYCTA BMT TRACKS	т	0		1	s	8/24/2011	6.300	VG	4,440	\$17,760,000	307		
2066100	к	5TH AVE	27 X PROSPECT EXPWY		A		1	s	5/18/2012	5.063	G	8,800	\$35,200,000	307		
2244480	K	5TH AVE	GREENWOOD CEMETERY		0		1	s	9/8/2011	4.667	F	3,600	\$14,400,000	307		
2243580	к	5TH AVE	LIRR & SEA BEACH	NT	0		4	s	11/12/2012	3.941	F	12,395	\$49,580,000	310		
2243590	к	6TH AVE	LIRR & SEA BEACH	NT	0		2	s	9/30/2011	6.306	VG	14,382	\$57,528,000	310		
2243280	К	6TH AVE	LIRR ATLANTIC AVE	L	0		9	s	9/13/2012	5.431	G	12,276	\$49,104,000	302		
2243600	к	7TH AVE	LIRR & SEA BEACH	NT	0		7	s	11/12/2012	4.778	F	18,628	\$74,512,000	310		
2243920	к	7TH AVE	NYCTA BMT YARD	т	0		2	s	9/10/2012	6.042	VG	4,700	\$18,800,000	307		
2243610	к	8TH AVE	LIRR & SEA BEACH	NT	0		2	s	9/30/2011	6.181	VG	10,834	\$43,336,000	310		
2243840	к	9TH AVE	NYCTA BMT YARD	т	0		5	s	8/19/2011	5.736	G	12,440	\$49,760,000	312		
2243940	к	9TH AVE	NYCTA IND SBWY	т	0		5	s	8/19/2011	4.737	F	6,300	\$25,200,000	312		
2245209	М	11TH AVE	AMTRAK 30 ST BRANCH	Α	0		2	s	6/4/2012	4.471	F	15,400	\$61,600,000	104		
2243630	к	11TH AVE	LIRR & SEA BEACH	NT	0		5	s	11/13/2012	5.985	G	9,700	\$38,800,000	310		
2245010	М	11TH AVE VIADUCT	LIRR WEST SIDE YARD	AL	0		39	s	12/28/2012	4.056	F	157,500	\$630,000,000	104		
2243640	к	13TH AVE	LIRR & SEA BEACH	NT	o		5	s	9/23/2011	4.694	F	16,000	\$64,000,000	310		
2231970	Q	14TH AVE	BCIP		Α		2	s	2/8/2012	4.614	F	8,100	\$32,400,000	407		
2243650	к	14TH AVE	LIRR BAY RIDGE	N	0		1	s	11/13/2012	6.333	VG	4,720	\$18,880,000	311		
2243670	к	15TH AVE	BMT SEA BEACH	т	0		4	s	6/26/2011	6.386	VG	16,020	\$64,080,000	311		
2243340	к	15TH AVE	LIRR BAY RIDGE	N	0		1	s	11/14/2012	4.872	F	3,614	\$14,456,000	311		
2243680	к	16TH AVE	BMT SEA BEACH	т	0		3	s	8/30/2012	5.296	G	6,816	\$27,264,000	311		
2243360	к	16TH AVE	LIRR BAY RIDGE	N	0		1	s	10/4/2012	5.350	G	4,345	\$17,380,000	311		
2243690	к	17TH AVE	BMT SEA BEACH	т	0		4	s	8/30/2012	6.173	VG	8,946	\$35,784,000	311		
2243370	к	17TH AVE	LIRR BAY RIDGE	N	0		1	s	10/5/2012	4.745	F	3,406	\$13,624,000	312		
2231300	к	17TH AVE PED BRDG	BSHP		A-PED	Р	1	С	8/22/2012	3.614	F	2,100	\$8,400,000	311		
2243700	к	18TH AVE	BMT SEA BEACH	т	0		1	s	8/25/2011	6.632	VG	5,200	\$20,800,000	311		
2243380	к	18TH AVE	LIRR BAY RIDGE	N	o		1	s	9/28/2012	4.688	F	6,006	\$24,024,000	312		٦
2243710	к	19TH AVE	BMT SEA BEACH	т	o		4	s	8/29/2012	4.184	F	4,800	\$19,200,000	311		
2243720	к	20TH AVE	BMT SEA BEACH	т	o		1	s	8/31/2012	6.673	VG	7,000	\$28,000,000	311		
2243820	к	21ST AVE	BMT SEA BEACH	т	o		4	s	9/7/2012	3.974	F	21,400	\$85,600,000	311		٦
2247270	Q	21ST ST	LIRR N SIDE DIV	L	o		6	s	11/14/2011	5.153	G	17,590	\$70,360,000	402		٦
2231330	к	27TH AVE PED BRDG	BSHP		A-PED	Р	1	С	1/20/2012	4.106	F	2,100	\$8,400,000	313		
2231890	Q	28TH AVE PED BRDG	BCIP		A-PED	Р	24	С	6/11/2012	4.517	F	7,600	\$30,400,000	411		
2230730	Q	31ST AVE	278I NB (BQE WEST LEG)		Α		1	s	7/15/2011	6.217	VG	5,875	\$23,500,000	401		
2230657	Q	31ST ST	278I (B.Q.E.)		Α		2	s	12/5/2012	4.569	F	9,500	\$38,000,000	401		
2230640	Q	32ND ST	278I (B.Q.E.)		Α		2	s	6/24/2011	4.875	F	8,100	\$32,400,000	401		٦

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2230630	Q	35TH ST	278I (B.Q.E.)		Α		4	s	3/22/2012	4.667	F	9,000	\$36,000,000	401		
2247370	Q	37TH AVE	CSX - HELLGATE	С	0		1	s	8/29/2011	6.234	VG	6,868	\$27,472,000	402		
2230620	Q	37TH ST	278I (B.Q.E.)		A		2	s	3/22/2012	4.681	F	5,300	\$21,200,000	401		
2247330	Q	39TH ST (NORTH)	SUNNYSIDE YARD	Α	0		14	s	10/31/2011	6.556	VG	48,200	\$192,800,000	402	401	
2247640	Q	зэтн ST (SOUTH)	AMTRAK & LIRR YARD	AL	0		9	s	10/28/2011	6.014	VG	34,100	\$136,400,000	402		
2230570	Q	41ST AVE	278I (B.Q.E.)		Α		2	s	11/20/2012	6.735	VG	8,580	\$34,320,000	402		
2247390	Q	41ST AVE	CSX - HELLGATE	С	0		2	s	9/8/2011	4.942	F	4,400	\$17,600,000	402	404	
2247410	Q	43RD AVE	CSX TRANSPORT	С	0		1	s	9/8/2011	5.000	G	4,800	\$19,200,000	402	404	
2247420	Q	44TH AVE	CSX TRANSPORT	С	0		1	s	9/6/2011	5.000	G	5,100	\$20,400,000	402	404	
2230840	Q	44TH ST	GCP		Α		2	s	5/17/2012	4.764	F	5,000	\$20,000,000	401		
2247430	Q	45TH AVE	CSX TRANSPORT	С	0		1	s	9/9/2011	5.306	G	2,400	\$9,600,000	402	404	
2230820	D	47TH ST	GCP		Α		2	s	5/17/2012	4.889	F	5,700	\$22,800,000	401		
2247290	O	49TH AVE	LIRR,AMTRAK	L	0		5	s	12/3/2012	4.014	F	20,400	\$81,600,000	402		
2230800	Q	49TH ST	278I (BQE WEST LEG)		Α		2	s	4/16/2012	5.278	G	4,900	\$19,600,000	401		
2230890	Q	49TH ST	GCP		А		2	s	5/17/2012	4.444	F	6,350	\$25,400,000	401		
2243400	к	50TH ST	LIRR BAY RIDGE	N	0		2	s	9/1/2011	4.731	F	7,100	\$28,400,000	312		
1247280	Q	51 AVE PED BR (2247280)	LIRR MAIN LINE	L	O-PED		5	С	3/8/2012	3.018	F	700	\$2,800,000	402		
2243390	к	52ND ST	LIRR BAY RIDGE	N	0		1	s	9/28/2012	6.250	VG	3,293	\$13,172,000	312		
2247190	Q	55TH AVE PED BRDG	LIRR MAIN LINE	L	O-PED		3	С	4/3/2012	4.240	F	13,000	\$52,000,000	404		
2247450	Q	57TH AVE	CSX TRANSPORT	С	0		1	s	9/9/2011	6.073	VG	2,248	\$8,992,000	405		
2247650	Q	60TH RD PED BRDG	LIRR MAIN LINE	L	O-PED		3	С	3/7/2012	4.786	F	2,293	\$9,172,000	405	406	
2243350	к	60TH ST	LIRR BAY RIDGE	N	0		1	s	8/31/2011	6.133	VG	3,900	\$15,600,000	311		
2247540	Q	60TH ST	LIRR MONTAUK DIV	L	0		2	s	10/5/2011	5.208	G	5,340	\$21,360,000	405		
2230520	Q	65TH PLACE	278I (B.Q.E.)		Α		2	s	2/7/2012	5.972	G	11,668	\$46,672,000	402		
2247160	Q	65TH PLACE	LIRR MAIN LINE	L	0		3	s	10/20/2011	6.441	VG	8,381	\$33,524,000	402		
2243730	к	65TH ST	BMT SEA BEACH	т	0		4	s	8/28/2012	5.132	G	12,000	\$48,000,000	311		
2247150	Q	65TH ST	LIRR MAIN LINE	L	0		3	s	10/17/2011	6.375	VG	6,344	\$25,376,000	402		
1247200	Q	67 AVE PED BR (2247200)	LIRR MAIN LINE	L	O-PED		3	С	4/3/2012	4.219	F	1,300	\$5,200,000	406		
2230550	Q	69TH ST	278I (B.Q.E.)		Α		2	s	1/19/2012	5.263	G	12,600	\$50,400,000	402		
2065950	Q	69TH STREET	495I (L.I.E.)		А		2	s	7/27/2011	5.250	G	10,336	\$41,344,000	405		
2247490	Q	69TH STREET	CSX TRANSPORT	С	0		1	s	12/17/2012	4.979	F	6,175	\$24,700,000	405		
2230560	Q	70TH ST	278I (B.Q.E.)		Α		2	s	11/20/2012	6.722	VG	8,580	\$34,320,000	402		
2248300	Q	71ST AVE	COOPER AVE		0		1	s	7/12/2011	4.373	F	2,800	\$11,200,000	405		
2246150	М	72 ST CROSS DR (TERRACE BRDG)	PED PATH TO FOUNTAIN		0	Р	3	s	3/1/2012	5.786	G	7,300	\$29,200,000	164		
2246160	М	73 ST PED BRDG (BOW BRIDGE)	THE LAKE		WO-PED	Р	1	С	5/25/2012	4.244	F	1,700	\$6,800,000	164		
2267717	М	79 ST PED PLAZA	79 ST BT BASIN GAR		Α	Р	10	s	5/3/2011	4.593	F	27,400	\$109,600,000	107		
226771B	М	79 ST RAMP TO GAR	79 ST BT BASIN GAR		AR	Р	21	s	5/22/2012	4.452	F	8,989	\$35,956,000	107		
226771A	М	79 ST RAMP TO HHP	79 ST BT BASIN GAR		AR	Р	4	s	5/9/2012	4.221	F	3,131	\$12,524,000	107		
2267718	М	79 ST TRAFFIC CIRC	79 ST PED PLAZA		Α	Р	34	s	5/11/2011	4.000	F	24,130	\$96,520,000	107		
2246440	М	79 TH ST PED BRDG	TRANSVERSE RD #2		O-PED	Р	1	С	8/9/2012	3.926	F	5,900	\$23,600,000	164		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST C	CD C	CD2 (CD3
2247220	Q	80TH ROAD	LIRR MAIN LINE	L	0		3	s	9/29/2011	4.857	F	4,100	\$16,400,000 4	09		
2247570	Q	80TH ST	77TH AVE - LIRR MT	L	0		5	s	11/27/2012	5.102	G	11,725	\$46,900,000 4	05		
2231250	к	81ST ST PED BRDG	BSHP		A-PED	P	5	С	3/23/2012	4.761	F	3,100	\$12,400,000 3	10		
2247230	Q	82ND AVE	LIRR MAIN LINE	L	0		3	s	9/21/2011	5.377	G	4,100	\$16,400,000 4	09		
2243570	к	86TH ST	BMT SEA BEACH	т	0		1	s	8/27/2012	5.953	G	12,167	\$48,668,000 3	13		
1247010	Q	91 PLACE (2247010)	LIRR PT WASH BR	L	o		1	s	11/3/2011	6.567	VG	2,760	\$11,040,000 4	04		
2231260	к	92ND ST PED BRDG	BSHP		A-PED	Р	6	С	9/18/2012	3.475	F	3,000	\$12,000,000 3	10		
2247020	Q	94TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		5	С	4/9/2012	4.091	F	500	\$2,000,000 4	04		
2248250	Q	102ND ST	HAWTREE BASIN		wo		3	s	8/15/2011	5.941	G	4,900	\$19,600,000 4	10		
2231730	Q	130TH AVE	BLP N.B.		Α		1	s	1/20/2012	5.267	G	4,400	\$17,600,000 4	13		
2231740	Q	130TH AVE	BLP S.B.		Α		1	s	1/20/2012	4.833	F	4,400	\$17,600,000 4	13		
2231590	Q	130TH ST	BSOP		Α		2	s	1/30/2012	4.659	F	6,800	\$27,200,000 4	10		
2240089	вм	145TH ST BRIDGE	HARLEM RIVER		WMO		8	s	9/23/2011	6.250	VG	56,700	\$226,800,000 1		204	201
2231980	Q	147TH ST	BCIP		A		2	s	3/8/2012	4.705	F	6,300	\$25,200,000 4			
2247070	Q	147TH ST	LIRR PORT WASH BR	L	0		1	s	9/13/2011	5.471	G	2.800	\$11,200,000 4	07		
2247090	Q	149TH PLACE	LIRR PORT WASH BR	L	0		2	s	9/13/2011	5.000	G	4,300	\$17,200,000 4			
2231960	Q	149TH ST	BCIP		A		2	s	2/8/2012	4.795	F	6,210	\$24,840,000 4			
2247080	Q	149TH ST	LIRR PORT WASH BR	L	0		1	s	12/10/2012	4.776	F	4,100	\$16,400,000 4		_	
2231950	Q	150TH ST	BCIP		A		2	s	2/8/2012	4.682	F	5,900	\$23,600,000 4			
2247100	Q	150TH ST	LIRR PORT WASH BR	L	0		2	s	9/13/2011	6.029	VG	7,830	\$31,320,000 4		_	
2231920	Q	160TH ST	BCIP	_	Α		2	s	6/27/2011	5.750	G	5,550	\$22,200,000 4			
2240650	Q	163RD AVE PED BRDG	HAWTREE BASIN		WO-PED		13	С	9/19/2011	4.174	F	5,000	\$20,000,000 4		-	
7705510	Q	167TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED		3	С	3/12/2012	3.902	F	600	\$2,400,000 4		_	-
206672A	В	174TH ST-NTH PED BRDG	895I - SHERIDAN EXPWY	_	A-PED		4	С	6/6/2012	4.667	F	1,800	\$7,200,000			-
206672B	В	174TH ST-STH PED BRDG	895I - SHERIDAN EXPWY		A-PED		4	С	6/6/2012	4.750	F	1,900	\$7,600,000		-	-
2241259		204TH ST PED BRDG	METRO NORTH RR HAR	м	O-PED	P	1	С	2/2/2012	3.948	F	4,700	\$18,800,000 2		207	
7703720		216TH ST PED BRDG	LIRR PORT WASH BR	L	O-PED	r	6	С	3/13/2012	3.889	F	4,700	\$1,600,000 4		201	-
				L	O-PED			s			G				-	-
2247680		221ST ST	LIRR PORT WASH BR	L			2		9/14/2011	5.926	F	6,050	\$24,200,000 4		\pm	\dashv
		225TH ST	BSOP		Α .			s	5/10/2012	4.614		7,000	\$28,000,000 4		\pm	\dashv
2229450		232ND ST			Α		2	S	7/19/2011	5.026	G	4,900 2,500	\$19,600,000 2		-	-
2229460		236TH ST PED BRDG	ННР		A-PED		3	С	6/12/2012	4.672	F		\$10,000,000 2		-	
2229470		239TH ST	ННР		A		2	s	4/29/2011	5.053	G	6,100	\$24,400,000 2		-	-
2229490		246TH ST	ННР		A		2	s	4/29/2011	4.868	F	5,600	\$22,400,000 2		_	_
2229500		252ND ST	ННР		A		2	S	1/20/2012	5.372	G	4,500	\$18,000,000 2		-	\dashv
224004J		25X	NYC GARAGE		OE		14	s	4/23/2012	4.829	F	22,058		80	\dashv	\dashv
2266540		2781	BRUCKNER BLVD		A		2	s	7/8/2011	4.371	F	32,900	\$131,600,000 2		\dashv	\dashv
2230679		278I (B.Q.E.)	34TH AVE		A		1	S	6/7/2011	6.203	VG	7,793	\$31,172,000 4	02	\dashv	\dashv
2230669		278I (B.Q.E.)	35TH AVE		A		1	s	8/3/2011	6.390	VG	13,135	\$52,540,000 4	02	\dashv	4
2230470	к	278I (B.Q.E.)	JAY ST		A		1	s	2/3/2012	4.833	F	5,100	\$20,400,000 3	02	_	_
2230510	ĸ	278I (B.Q.E.)	NASSAU ST		Α		6	s	6/11/2012	5.169	G	51,200	\$204,800,000 3	02		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER		RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2230680	Q	278I (B.Q.E.)	NORTHERN BLVD		Α		1	s	12/4/2012	6.016	VG	27,011	\$108,044,000	402	401	
2230460	к	278I (B.Q.E.)	PEARL ST		A		1	s	2/2/2012	5.467	G	4,500	\$18,000,000	302		
2230480	к	278I (B.Q.E.)	PROSPECT ST		Α		1	s	2/13/2012	5.056	G	8,400	\$33,600,000	302		
2230500	к	278I (B.Q.E.)	RAMP TO BQE EB		Α		1	s	2/21/2012	4.967	F	1,300	\$5,200,000	302		
2230490	к	278I (B.Q.E.)	SANDS ST		A		1	s	2/22/2012	5.093	G	12,600	\$50,400,000	302		
2230430	к	278I (B.Q.E.) RAMP TO BKLN BRDG	PROSPECT ST		Α		1	s	1/5/2012	5.000	G	1,100	\$4,400,000	302		
2230780	Ø	278I (BQE EAST LEG)	30TH AVE		Α		1	s	6/14/2011	6.206	VG	7,071	\$28,284,000	403	401	
2230770	Q	278I (BQE WEST LEG)	30TH AVE		Α		1	s	6/15/2011	6.322	VG	6,199	\$24,796,000	401		
2268508	к	278I E.B. (B.Q.E.)	278I W.B. (B.Q.E.)		Α		11	s	6/5/2011	4.103	F	20,529	\$82,116,000	302		
2268518	к	278I E.B. (B.Q.E.)	278I W.B. (B.Q.E.)		А		5	s	6/9/2011	4.119	F	9,275	\$37,100,000	302		
2268498	к	278I E.B. (B.Q.E.)	278I WB (BQE)		Α		69	s	11/13/2011	3.965	F	133,708	\$534,832,000	302		
2230888	к	278I E.B. (B.Q.E.)	CADMAN PLAZA / 278I WB		А		2	s	6/29/2012	5.263	G	4,500	\$18,000,000	302		
2230450	к	278I EB (B.Q.E.)	ADAMS ST		Α		1	s	1/10/2012	4.933	F	2,500	\$10,000,000	302		
2230858	к	278I EB (B.Q.E.)	JORALEMON ST / BQE WB		Α		1	s	10/9/2011	4.619	F	5,900	\$23,600,000	302		
2230410	к	278I EB (B.Q.E.)	WASHINGTON ST		Α		1	s	6/25/2012	4.500	F	2,500	\$10,000,000	302		
2230760	Q	278I NB (BQE EAST LEG)	31ST AVE		Α		1	s	8/30/2012	6.610	VG	4,161	\$16,644,000	401		
2230700	Q	278I NB (BQE EAST LEG)	32ND AVE (TO BQE WEST LEG)		Α		8	s	12/4/2012	6.465	VG	31,600	\$126,400,000	401	403	
2230690	Q	278I NB (BQE WEST LEG)	32ND AVE		Α		1	s	6/22/2012	6.407	VG	4,080	\$16,320,000	401		
2230830	Q	278I NB (BQE WEST LEG)	GCP		Α		2	s	5/17/2012	4.583	F	7,600	\$30,400,000	401		
2230720	Q	278I SB (BQE EAST LEG)	278I NB (BQE WEST LEG)		Α		3	s	7/22/2011	6.182	VG	20,896	\$83,584,000	401		
2230710	Q	278I SB (BQE WEST LEG)	32ND AVE		Α		1	s	8/2/2011	6.559	VG	5,240	\$20,960,000	401		
2230750	Q	278I SB (BQE EAST LEG)	31ST AVE		Α		1	s	8/1/2011	6.508	VG	4,221	\$16,884,000	401	403	
2230740	Q	278I SB (BQE WEST LEG)	31ST AVE		Α		1	s	8/1/2011	6.217	VG	5,246	\$20,984,000	401		
2230887	к	278I W.B. (B.Q.E.)	CADMAN PLAZA		Α		2	s	6/29/2012	4.569	F	4,500	\$18,000,000	302		
2268497		278I W.B. (B.Q.E.)	FURMAN ST		Α		45	s	8/6/2011	4.357	F	86,406	\$345,624,000	302		
2268517	к	278I W.B. (B.Q.E.)	FURMAN ST		Α		7	s	6/28/2011	3.882	F	10,988	\$43,952,000	302		
2268507	к	278I W.B. (B.Q.E.)	YORK ST		Α		6	s	6/8/2011	4.071	F	10,388	\$41,552,000	302		
2230440	к	278I WB (B.Q.E.)	ADAMS ST		Α		1	s	1/10/2012	5.167	G	2,700	\$10,800,000	302		
2230857	к	278I WB (B.Q.E.)	JORALEMON ST		Α		1	s	3/5/2012	5.000	G	2,100	\$8,400,000	302		
2230420	к	278I WB (B.Q.E.)	WASHINGTON ST		Α		1	s	6/25/2012	5.047	G	2,500	\$10,000,000	302		
2066002	Q	4951 (2066000)	WOODHAVEN BLVD		Α		2	s	6/14/2011	5.592	G	25,200	\$100,800,000	406	404	
2266160	Q	678I SB TO BCIP EB	ACCESS RD FROM 678I		A		1	s	7/24/2012	3.734	F	2,300	\$9,200,000	407		
2246490	м	A.C. POWELL BLVD N.B.	A.C. POWELL BLVD		0		1	s	2/1/2012	4.367	F	3,000	\$12,000,000	110		
2249320	R	ALBEE AVE	SIRT SOUTH SHORE	s	0		3	s	10/4/2011	4.492	F	6,500	\$26,000,000	503		
2268920	R	AMBOY ROAD	LEMON CREEK		wo		1	s	2/15/2012	6.333	VG	1,310	\$5,240,000	503		
2247530	Q	ANDREWS AVE	LIRR MONTAUK DIV	L	0		1	s	9/22/2011	7.000	VG	1,765	\$7,060,000			
2249330	R	ANNADALE ROAD	SIRT SOUTH SHORE	s	0		1	s	8/17/2011	6.433	VG	3,540	\$14,160,000			
2249820	R	ARTHUR KILL ROAD	ARTHUR KILL STREAM		wo		1	s	5/5/2011	4.184	F	1,300	\$5,200,000			
2249240	R	ARTHUR KILL ROAD	SIRT SOUTH SHORE	s	0		1	s	10/22/2012	4.648	F	3,650	\$14,600,000			
2230810	Q	ASTORIA BLVD EB	278I (BQE WEST LEG)		A		4	s	3/28/2012	4.044	F	8.200	\$32.800.000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD:	2 CD3
2243569	к	ATLANTIC AVE	LIRR ATLANTIC AVE	L	0		75	S 5/25/2012	3.676	F	135,100	\$540,400,000	316	305	
2244170	к	ATLNTC AV SVC RD E.B.	EAST NEW YORK AVE		o		2	S 7/20/2011	5.474	G	3,192	\$12,768,000	305		
2244180	к	ATLNTC AV SVC RD W.B.	EAST NEW YORK AVE		o		2	S 7/20/2011	4.965	F	5,600	\$22,400,000	305		
2243530	к	AVENUE H	LIRR BAY RIDGE	N	o		2	S 9/9/2011	5.956	G	35,100	\$140,400,000	318		
2243750	к	AVENUE O	BMT SEA BEACH	т	o		1	S 9/1/2011	5.706	G	4,658	\$18,632,000	311		
2243760	к	AVENUE P	BMT SEA BEACH	т	0		1	S 8/31/2011	5.674	G	5,544	\$22,176,000	311		
2243790	к	AVENUE S	BMT SEA BEACH	т	o		1	S 9/15/2011	5.967	G	5,360	\$21,440,000	315		
2243800	к	AVENUE T	BMT SEA BEACH	т	0		1	S 9/15/2011	6.033	VG	5,360	\$21,440,000	311		
2243810	к	AVENUE U	BMT SEA BEACH	т	0		1	S 9/11/2012	5.294	G	5,880	\$23,520,000	315	i	
2249440	R	BANCROFT AVE	SIRT SOUTH SHORE	s	О		3	S 10/13/2011	5.328	G	5,900	\$23,600,000	502	:	
2241180	В	BARRETTO ST	AMTRAK - CSX	AC	0		1	S 10/8/2012	6.000	G	5,313	\$21,252,000	202	:	
2232000	м	BATTERY PLACE	FDR DRIVE		AT		2	S 12/21/2011	5.318	G	142,000	\$568,000,000	101		
2231290	к	BAY 8TH ST	взнр		Α		1	S 5/14/2011	5.952	G	4,950	\$19,800,000	311		
2243740	к	BAY PKWY	BMT SEA BEACH	т	0		4	S 8/28/2012	4.553	F	16,800	\$67,200,000	311		
2231760	Q	BCIP	DUTCH BROADWAY-115 AVE		Α		1	S 3/6/2012	4.047	F	7,300	\$29,200,000	413	,	
2266770	Q	BCIP	LAURELTON PKWY		Α		1	S 3/8/2012	4.972	F	9,508	\$38,032,000	413	,	
Q00002	Q	BCIP	PATH OPP. 88TH RD		Α		1	C 6/8/2012	4.667	F	1,272	\$5,088,000	413	,	
2231900	Q	BCIP	TOTTEN AVE		Α		1	S 6/1/2012	4.609	F	4,900	\$19,600,000	407		
2076109	В	BE NB SERVICE RD	HUTCHINSON RVR PKWY		Α		2	S 9/1/2011	4.632	F	7,800	\$31,200,000	210	,	
2076129	В	BE SB SERVICE RD	HUTCHINSON RVR PKWY		Α		2	S 1/19/2012	5.079	G	7,100	\$28,400,000	210	,	
2249400	R	BEACH AVE	SIRT SOUTH SHORE	s	0		2	S 8/4/2011	5.364	G	3,700	\$14,800,000	502		
2248230	Q	BEACH CHANNEL DR WB	BEACH CHANNEL DR EB		o		1	S 7/13/2011	4.400	F	3,600	\$14,400,000	484		
2243490	к	BEDFORD AVE	LIRR BAY RIDGE	N	О		6	S 9/24/2012	4.319	F	12,000	\$48,000,000	314		
2241840	В	BEDFORD PARK BLVD	METRO NORTH RR HAR	м	0		1	S 4/20/2012	4.844	F	6,400	\$25,600,000	227	207	
2241930	В	BEDFORD PARK BLVD	NYCTA IND YARDS	т	О		4	S 11/20/2012	5.403	G	46,300	\$185,200,000	207		
2249580	R	BELFIELD AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		5	C 10/5/2012	3.902	F	400	\$1,600,000	503	,	
2247140	Q	BELL BLVD	LIRR PORT WASH BR	L	О		1	S 9/14/2011	5.780	G	4,320	\$17,280,000	411		
2231770	Q	BELMONT PARK RAMP	BCIP		Α	Р	1	S 2/3/2012	4.688	F	3,200	\$12,800,000	413	,	
2231790	Q	BELMONT PARK RAMP	BCIP		Α	Р	1	S 1/13/2012	4.563	F	3,400	\$13,600,000	413		
2249250	R	BETHEL AV PED BRDG	SIRT SOUTH SHORE	s	O-PED		12	C 7/20/2012	3.525	F	111	\$444,000	503	,	
2243100	к	BEVERLY ROAD	BMT SUBWAY, BRIGHTON	т	О		3	S 7/27/2012	3.982	F	4,200	\$16,800,000	314		
2243900	к	BLAKE AVE	LIRR BAY RIDGE LINE	N	О		3	S 9/25/2012	5.000	G	4,912	\$19,648,000	316	i	
2240410	Q	BORDEN AVE	DUTCH KILLS		WMO		2	S 7/26/2011	4.792	F	8,400	\$33,600,000	402		
2270180	R	BOROUGH PLACE - RAMP A	STATEN ISLAND RAILWAY	s	О	F	1	S 12/29/2005	4.938	F	1,250	\$5,000,000	501		
2229579	В	BOSTON POST ROAD	HUTCHINSON RIVER		wo		14	S 5/23/2012	4.194	F	95,700	\$382,800,000	212		
2242110	В	BOSTON ROAD	BRONX RIVER		wo		1	S 3/2/2012	4.227	F	6,200	\$24,800,000	227		
2242100	В	BOTANICAL GARDEN ROAD	TWIN LAKES		wo	Р	1	S 3/1/2012	4.833	F	2,200	\$8,800,000	227		
2247050	Q	BOWNE AVE	LIRR PORT WASH BR	L	o		1	S 10/4/2012	5.333	G	4,974	\$19,896,000	407		
2231829	Q	BRADDOCK AVE	всір		Α		2	S 3/23/2012	4.955	F	10,600	\$42,400,000	413	i	
2249730	R	BRIDGE OVER DAM	N.END CLOVE LAKE		WO-PED	Р	1	C 8/1/2011	3.351	F	1,000	\$4,000,000	501	T	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2230590	Q	BROADWAY	278I (B.Q.E.)		0		2	s	12/6/2012	5.789	G	16,000	\$64,000,000	402		
2240137	ВМ	BROADWAY BRIDGE	HARLEM RIVER	тм	WMO		3	s	12/7/2012	3.806	F	46,848	\$187,392,000	112	207	208
2242072	В	BRONX BLVD N.B.	BRONX RIVER		wo		1	s	3/19/2012	4.967	F	1,800	\$7,200,000	212		
2242082	В	BRONX BLVD N.B.	BRONX RIVER		wo		1	s	3/22/2012	4.467	F	2,800	\$11,200,000	212		
2242071	В	BRONX BLVD S.B.	BRONX RIVER		wo		1	s	3/19/2012	4.633	F	1,800	\$7,200,000	212		
2242081	В	BRONX BLVD S.B.	BRONX RIVER		wo		1	s	3/21/2012	4.467	F	2,800	\$11,200,000	212		Ш
2229560	В	BRONX PELHAM PKWY	AMTRAK - CSX	AC	Α		3	s	5/25/2012	4.542	F	24,591	\$98,364,000	211		
2075849	В	BRONX PELHAM PKWY	HUTCHINSON RVR PKWY		Α		2	s	6/6/2012	3.763	F	17,600	\$70,400,000	210	211	Ш
2065629	В	BRONX RIVER PKWY	BOSTON RD BX ZOO		Α		1	s	8/22/2011	5.276	G	6,300	\$25,200,000	227		
2270250	В	BROOKE AVE	CSX TRANS - PT MORRIS		o		1	s	3/22/2012	3.800	F	21,035	\$84,140,000	201		ıl
2243520	к	BROOKLYN AVE	LIRR BAY RIDGE	N	0		3	s	9/9/2011	6.236	VG	4,500	\$18,000,000	318		
2267860	к	BROOKLYN BR APPROACH	STORAGE (SANDS ST)		0		1	s	7/19/2012	4.411	F	6,490	\$25,960,000	302		
2240019	KM	BROOKLYN BRIDGE	EAST RIVER		WEO		75	s	11/12/2012	2.944	Р	503,788	\$2,015,152,000	103	302	101
2268350	к	BROOKLYN PROMENADE	278I EB (BQE)		A-PED	Р	35	С	5/31/2012	3.690	F	46,184	\$184,736,000	302		
2241099	В	BRUCKNER BLVD	CSX TRANS - PT MORRIS	С	o		1	s	8/7/2012	6.450	VG	6,700	\$26,800,000	201		
2076929	В	BRUCKNER EXPWY	CSX - HUNTS POINT	С	Α		1	s	9/15/2011	4.700	F	3,800	\$15,200,000	202		
2075352	В	BRUCKNER EXPWY NB	AMTRAK - CSX	AC	Α		1	s	11/19/2012	6.444	VG	10,900	\$43,600,000	202		
2066672	В	BRUCKNER EXPWY NB	BRONX RIVER		WMA		8	s	10/22/2011	4.269	F	22,300	\$89,200,000	202	209	
2075351	В	BRUCKNER EXPWY SB	AMTRAK - CSX	AC	Α		1	s	11/19/2012	6.032	VG	11,600	\$46,400,000	202		
2066671	В	BRUCKNER EXPWY SB	BRONX RIVER		WMA		3	s	10/22/2011	5.278	G	12,400	\$49,600,000	202	209	
1066510	В	BRUCKNER EXPWY SVC RD	WESTCHESTER CREEK		WMA		17	s	10/8/2012	3.516	F	39,400	\$157,600,000	209		
2241210	В	BRYANT AVE	AMTRAK - CSX	AC	o		1	s	10/11/2012	3.051	F	5,300	\$21,200,000	202		
2231329	к	BSHP	26TH AVE		Α		1	s	4/20/2012	4.600	F	6,700	\$26,800,000	313		
2231319	к	BSHP	BAY PKWY		Α		1	s	6/2/2012	4.267	F	7,200	\$28,800,000	311		
2231249	к	BSHP	BAY RIDGE AVE		Α		1	s	3/26/2012	3.625	F	4,900	\$19,600,000	310		
2231429	к	BSHP	BEDFORD AVE		Α		3	s	4/20/2012	4.042	F	12,000	\$48,000,000	315		
2231509	к	BSHP	FRESH CREEK		WA		5	s	10/21/2012	6.915	VG	23,000	\$92,000,000	356		
2231450	к	BSHP	GERRITSEN INLET		WA		11	s	7/24/2012	3.463	F	52,000	\$208,000,000	356		
2231479	к	BSHP	MILL BASIN		WMA		14	s	10/10/2012	3.179	F	73,500	\$294,000,000	318		
2231439	к	BSHP	NOSTRAND AVE		Α		3	s	4/20/2012	3.986	F	13,000	\$52,000,000	315		
2231419	к	BSHP	OCEAN AVE		Α		3	s	4/12/2012	4.500	F	14,000	\$56,000,000	315		
2231360	к	BSHP	OCEAN PKWY		Α		3	s	6/25/2012	6.299	VG	29,637	\$118,548,000	313		
2231489	к	вѕнр	PAERDEGAT BASIN		WA		15	s	11/28/2012	3.340	F	58,300	\$233,200,000	318		
2231499	к	вѕнр	ROCKAWAY PKWY		Α		4	s	10/27/2012	6.644	VG	11,500	\$46,000,000	356		
2231409	к	вѕнр	SHEEPSHEAD BAY ROAD		Α		1	s	4/12/2012	4.672	F	6,500	\$26,000,000	315		ı T
2230790	Q	BULOVA AVE	278I (BQE WEST LEG)		Α		2	s	4/16/2012	5.278	G	3,300	\$13,200,000	401		
2269770	R	BUS STA ENTR RAMP	SIRT	s	0	F	19	s	11/26/2012	4.181	F	39,333	\$157,332,000	501		
2269790	R	BUS STATION EXIT RAMP	SIRT	s	o	F	7	s	10/22/2012	4.778	F	28,721	\$114,884,000	501		
2269740	R	BUS STATION NORTH	SIRT	s	o	F	12	s	10/26/2012	4.660	F	64,605	\$258,420,000	501		ıT
2269750	R	BUS STATION SOUTH	SIRT	s	0	F	12	s	11/14/2012	5.360	G	154,688	\$618,752,000	501		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2247460	Q	CALDWELL AVE	CSX TRANSPORT	С	0		1	s	12/17/2012	5.889	G	2,243	\$8,972,000	405	—	
2243290	к	CARLTON AVE	LIRR ATLANTIC AVE	L	0		7	s	3/7/2012	5.069	G	10,823	\$43,292,000	302	—	
2240260	к	CARROLL ST	GOWANUS CANAL		WMO		2	s	7/6/2012	4.634	F	3,000	\$12,000,000	306		
2243220	к	CARROLL ST PED BRDG	FRANKLIN SHUTTLE	т	O-PED		3	С	12/17/2012	5.099	G	600	\$2,400,000	309	—	
2243050	к	CATON AVE	BMT SUBWAY, BRIGHTON	т	0		4	s	8/10/2011	4.500	F	20,800	\$83,200,000	314		
2249390	R	CEDARVIEW AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		5	С	7/26/2012	3.615	F	625	\$2,500,000	503		
2246050	М	CENTER DR (DRIPROCK ARCH)	PED OPP 63RD ST		0	P	1	s	1/11/2012	4.867	F	1,725	\$6,900,000	164		
2244050	к	CENTER DR (NETHERMEAD ARCHES)	PED PATH & STREAM		wo	P	3	s	5/9/2011	5.000	G	7,400	\$29,600,000	355		
2246070	м	CENTER DR (PLAYMATES ARCH)	PED PATH OPP 65TH ST		0	P	1	С	6/27/2012	4.367	F	1,129	\$4,516,000	164		
2246100	м	CENTER DRIVE	TRANSVERSE RD #1		0	P	1	s	2/3/2012	4.333	F	6,000	\$24,000,000	164		
2268480	М	CHAMBERS ST PED BRDG	RTE 9A - WEST ST		O-PED		10	С	5/24/2012	5.167	G	7,481	\$29,924,000	101		
2249280	R	CHAMP COURT PED BRDG	SIRT SOUTH SHORE	s	O-PED		7	С	7/20/2012	4.036	F	595	\$2,380,000	503		
2249880	R	CHELSEA ROAD	SAWMILL CREEK		wo		1	s	5/6/2011	6.816	VG	2,205	\$8,820,000	502		
2243080	к	CHURCH AVE	BMT SUBWAY, BRIGHTON	т	0		4	s	8/10/2011	4.545	F	18,200	\$72,800,000	314	1	
2240210	В	CITY ISLAND ROAD	EASTCHESTER BAY		wo		7	s	10/19/2012	3.389	F	19,915	\$79,660,000	228		
2241710	В	CLAREMONT PKWY	METRO NORTH RR HAR	м	0		1	s	4/16/2012	4.426	F	6,300	\$25,200,000	203		
2231940	Q	CLINTONVILLE ST	ВСІР		Α		2	s	2/3/2012	4.705	F	7,400	\$29,600,000	407	1	
2249490	R	CLOVE ROAD	SIRT SOUTH SHORE	s	0		3	s	10/25/2012	5.917	G	5,104	\$20,416,000	502		
2231570	Q	COHANCY ST	BSOP		Α		2	s	4/24/2012	4.395	F	6,400	\$25,600,000	410	1	
2230870	к	COLUMBIA HEIGHTS	278I (B.Q.E.)		Α		1	s	7/9/2012	4.383	F	16,500	\$66,000,000	302	1	
2241590	В	CONCOURSE VILL AVE	METRO NORTH RR HAR	м	0		1	s	4/20/2012	3.969	F	12,077	\$48,308,000	204	1	
2244460	к	CONDUIT BLVD NB	ATLANTIC AVE EB		0		1	s	10/8/2012	4.833	F	3,800	\$15,200,000	305		
2231380	к	CONEY ISLAND AVE	BSHP		Α		4	s	9/20/2011	5.986	G	19,866	\$79,464,000	313	1	
2243440	к	CONEY ISLAND AVE	LIRR BAY RIDGE	N	0		1	s	9/26/2012	5.106	G	3,231	\$12,924,000	312		
2230390	к	CONGRESS ST	278I (B.Q.E.)		Α		2	S	3/26/2012	6.029	VG	5,000	\$20,000,000	306		
2246510	м	CORBIN PL OVERPASS	CORBIN PLACE		0	Р	1	s	1/9/2012	5.000	G	2,223	\$8,892,000	112		
2232029	м	CORLEARS PARK ROAD	FDR DRIVE		Α	Р	4	s	3/28/2012	3.938	F	4,100	\$16,400,000	103		
2247130	Q	CORPORAL KENNEDY ST	LIRR PORT WASH BR	L	0		1	s	11/3/2011	6.235	VG	3,379	\$13,516,000	411		
2243110	к	CORTELYOU ROAD	BMT SUBWAY, BRIGHTON	т	0		3	S	8/25/2011	6.139	VG	4,810	\$19,240,000	314		
2231880	Q	CROCHERON PK PED	BCIP		A-PED	Р	9	O	6/23/2011	4.188	F	2,300	\$9,200,000	411		
2243040	к	CROOKE AVE	BMT SUBWAY, BRIGHTON	т	0		4	s	10/8/2012	4.211	F	6,000	\$24,000,000	314		
2231340	к	CROPSEY AVE	BSHP		Α		2	s	6/13/2012	4.722	F	13,100	\$52,400,000	313		
2240301	к	CROPSEY AVE	CONEY ISLAND CREEK		wo		3	s	6/10/2011	5.225	G	9,400	\$37,600,000	313		
2240302	к	CROPSEY AVE	CONEY ISLAND CREEK		wo		3	s	10/2/2012	4.718	F	9,400	\$37,600,000	313		
2231559	Q	CROSS BAY BLVD	BSHP		Α		4	s	6/1/2012	5.139	G	23,205	\$92,820,000			
2248039	Q	CROSS BAY BLVD	NASSAU EXPWY - RTE 27		0		2	s	6/23/2011	6.347	VG	16,544	\$66,176,000	410		
2242030	В	CROTONA AVE	BRONX PELHAM PKWY		0		2	s	1/18/2012	5.447	G	7,600	\$30,400,000	206		
2243230		CROWN ST	FRANKLIN SHUTTLE	т	0		3	s	10/11/2011	5.097	G	4,060	\$16,240,000			
2230040	Q	CYPRESS HILLS ST	JACKIE ROBINSON PKWY		Α		1	s	4/5/2012	4.722	F	5,000	\$20,000,000			
2249160		DE HART AVE	B&O RR (ABANDONED)	0	0		4	s	4/27/2011	6.389	VG	6,700	\$26,800,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD (CD2	CD3
2232030	М	DELANCEY ST PED BRDG	FDR DRIVE		A-PED	Р	12	С	5/2/2012	4.443	F	2,900	\$11,600,000	103		
2076640	В	DEPOT PLACE	METRO NORTH RR HUD	СМ	0		11	s	6/8/2012	4.944	F	26,566	\$106,264,000	204		
2243130	к	DITMAS AVE	BMT SUBWAY, BRIGHTON	Т	0		1	s	10/4/2011	5.723	G	5,150	\$20,600,000	314		
2243120	к	DORCHESTER ROAD	BMT SUBWAY, BRIGHTON	Т	0		1	s	12/3/2012	5.863	G	4,825	\$19,300,000	314		
2266139	Q	DOUGLASTON PKWY	BCIP NB		A		1	s	3/20/2012	4.673	F	6,400	\$25,600,000	411		
2266129	Q	DOUGLASTON PKWY	BCIP SB		Α		1	s	3/19/2012	4.592	F	4,400	\$17,600,000	411		
2247170	Q	DOUGLASTON PKWY	LIRR PORT WASH BR	L	0		3	s	10/19/2012	4.746	F	6,300	\$25,200,000	411		
2243420	к	E 3RD ST	LIRR BAY RIDGE	N	0		1	s	9/1/2011	6.517	VG	1,840	\$7,360,000	312		
2232050	м	E 6TH ST PED BRDG	FDR DRIVE		A-PED	P	19	С	3/22/2012	4.233	F	2,200	\$8,800,000	103		
2233020	м	E 10TH ST PED BRDG	FDR DRIVE		A-PED	Р	21	С	3/20/2012	4.193	F	2,754	\$11,016,000	103		
2231390	к	E 12TH ST	BSHP		Α		4	s	6/13/2012	4.542	F	17,200	\$68,800,000	315		
2233080	к	E 14 ST PED BRDG	BSHP		A-PED		14	С	7/16/2012	3.836	F	4,700	\$18,800,000	315		ļ
2243450	к	E 14TH ST	LIRR BAY RIDGE	N	0		1	s	9/26/2012	4.809	F	1,775	\$7,100,000	314		
2243460	к	E 15TH ST PED BRDG	LIRR BAY RIDGE	N	O-PED		3	С	3/8/2012	5.592	G	900	\$3,600,000	314		
2232070	М	E 25TH ST PED BRDG	FDR DRIVE		A-PED		3	C	3/16/2012	4.627	F	1,700	\$6,800,000	106		
2246540	м	E 34TH ST	PARK AVE TUNNEL		от		1	s	9/13/2012	4.117	F	36,200	\$144,800,000	105	106	
2246570	м	E42ND ST - E47TH ST	FIRST AVE TUNNEL		от		2	s	5/22/2012	4.882	F	95,000	\$380,000,000	106		
2232100	М	E 51ST ST PED BRDG	FDR DRIVE		A-PED	P	6	С	3/23/2012	4.567	F	2,800	\$11,200,000	106		
2233040	м	E 60TH ST	FDR DRIVE		Α		17	s	7/3/2012	5.000	G	24,480	\$97,920,000	108		
2246030	м	E 62 ST PED BRDG (GAPSTOW BRDG)	THE POND		O-PED	Р	1	O	5/25/2012	3.897	F	1,400	\$5,600,000	164		
2232110	м	E 64TH ST PED BRDG	FDR DRIVE		A-PED	Р	11	C	11/23/2011	4.912	F	2,100	\$8,400,000	108		
2232120	м	E 71ST ST PED BRDG	FDR DRIVE		A-PED	Р	19	С	9/7/2012	5.000	G	340	\$1,360,000	108		
2232140	м	E 78TH ST PED BRDG	FDR DRIVE		A-PED	Р	9	O	4/17/2012	6.944	VG	3,120	\$12,480,000	108		
2246450	м	E77 ST PED (GLADE ARCH)	PED PATH OPP E77 ST		O-PED	Р	1	O	1/24/2012	4.138	F	5,000	\$20,000,000	164		
2269820	м	E 81 ST PED BRDG	FDR DRIVE N.B.		A-PED	Р	3	С	5/15/2012	3.341	F	900	\$3,600,000	108		
2246390	м	E86 ST PED (SE RESERVOIR BRDG)	BRIDLE PATH		O-PED	Р	3	С	10/31/2011	4.509	F	1,100	\$4,400,000	164		
2245319	м	E 97TH ST	METRO NORTH MAIN LN	М	0		1	s	12/7/2012	4.647	F	3,200	\$12,800,000	111		
2232180	м	E 103RD ST PED BRDG	FDR DRIVE		A-PED		18	С	9/8/2012	4.395	F	4,800	\$19,200,000	111		
2232190	м	E 111TH ST PED BRDG	FDR DRIVE		A-PED	Р	9	С	9/20/2012	4.128	F	4,200	\$16,800,000	111		
2232200	м	E 120TH ST PED BRDG	FDR DRIVE		A-PED	Р	18	O	9/18/2012	3.914	F	3,978	\$15,912,000	111		
2246990	м	E 129TH ST PED BRDG	3RD AVE BRDG RAMP		O-PED		5	С	10/5/2012	4.095	F	1,046	\$4,184,000	111		
2241550	В	E 144TH ST	METRO NORTH RR HAR	м	0		2	s	7/11/2011	6.264	VG	8,290	\$33,160,000	201		
2241129	В	E 149TH ST	AMTRAK - CSX	AC	0		2	s	10/8/2012	4.620	F	18,258	\$73,032,000	201	202	
2241560	В	E 149TH ST	METRO NORTH RR HAR	м	0		8	s	5/8/2012	4.819	F	27,900	\$111,600,000	201	204	
2241050	В	E 149TH ST/JACKSON AVE	CSX TRANS - PT MORRIS	С	0		1	s	6/7/2012	4.850	F	65,000	\$260,000,000	201		
2270030	В	E 156TH ST	ACCESS TO HOUSING		0	ED	16	s	12/14/2012	3.493	F	49,696	\$198,784,000	204		
2241010	В	E 156TH STREET	CSX TRANS - PT MORRIS	С	0		1	s	6/18/2012	4.612	F	2,400	\$9,600,000	201		
2241600	В	E 158TH ST	METRO NORTH RR HAR	м	0		1	s	7/12/2011	5.200	G	3,400	\$13,600,000	204		
2241610	В	E 161ST ST	METRO NORTH RR HAR	м	0		1	s	10/12/2011	5.017	G	6,600	\$26,400,000		203	
2241020	В	E 161ST STREET	CSX TRANS - PT MORRIS	С	0		1	s	3/21/2012	6.700	VG	12,800	\$51,200,000		\neg	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2241620	В	E 162ND ST	METRO NORTH RR HAR	М	0		1	s	4/20/2012	4.859	F	4,700	\$18,800,000	203		
2241030	В	E 163RD STREET	CSX TRANS - PT MORRIS	С	0		1	s	3/1/2012	4.611	F	3,200	\$12,800,000	203		
2241630	В	E 165TH ST	METRO NORTH RR HAR	м	0		1	s	4/20/2012	4.300	F	16,400	\$65,600,000	203		
2241650	В	E 167TH ST	METRO NORTH RR HAR	м	0		1	s	4/17/2012	5.510	G	3,363	\$13,452,000	203		
2241660	В	E 168TH ST	METRO NORTH RR HAR	м	0		1	s	4/18/2012	4.641	F	4,800	\$19,200,000	203		
2241670	В	E 169TH ST	METRO NORTH RR HAR	м	0		1	s	4/18/2012	4.250	F	3,300	\$13,200,000	203		
2241680	В	E 170TH ST	METRO NORTH RR HAR	м	0		1	s	4/16/2012	6.333	VG	3,150	\$12,600,000	203	;	
2241720	В	E 173RD ST	METRO NORTH RR HAR	М	0		1	s	4/16/2012	4.875	F	3,000	\$12,000,000	203	;	
2066720	В	E 174TH ST	SHERIDAN EXPWY/AMTRAK	Α	Α		13	s	8/20/2012	4.153	F	35,573	\$142,292,000	209	203	;
2241740	В	E 175TH ST	METRO NORTH RR HAR	м	0		1	s	4/16/2012	3.938	F	3,600	\$14,400,000	206	,	
2241269	В	E 177TH ST	AMTRAK - CSX	AC	0		3	s	8/27/2012	5.403	G	16,606	\$66,424,000	206		
2241770	В	E 178TH ST PED BRDG	METRO NORTH RR HAR	м	O-PED		1	С	2/6/2012	4.918	F	700	\$2,800,000	206	,	
2241780	В	E 179TH ST PED BRDG	METRO NORTH RR HAR	м	O-PED		6	С	2/3/2012	5.763	G	700	\$2,800,000	206	,	
2242400	В	E 180TH ST	BRONX RIVER		wo		1	s	8/28/2012	4.810	F	4,500	\$18,000,000	206	227	
2241790	В	E 180TH ST	METRO NORTH RR HAR	М	0		1	s	4/11/2012	3.906	F	5,000	\$20,000,000	206	;	
2241800	В	E 183TH ST	METRO NORTH RR HAR	м	0		1	s	4/11/2012	4.109	F	4,080	\$16,320,000	206	;	
2241820	В	E 187TH ST	METRO NORTH RR HAR	м	0		1	s	4/11/2012	4.344	F	3,800	\$15,200,000	206	T	
2241810	В	E 188TH ST	METRO NORTH RR HAR	м	0		1	s	4/11/2012	4.063	F	5,300	\$21,200,000	206		
2241839	В	E 189TH ST	METRO NORTH RR HAR	м	0		1	s	7/6/2011	6.333	VG	43,157	\$172,628,000	206	207	
2242459	В	E 233RD ST	BRONX RIVER		wo		1	s	2/22/2012	4.233	F	7,000	\$28,000,000	212		
2242460	В	E 233RD ST	ENTR RD BNX RVR PKWY		0		1	s	1/10/2012	4.867	F	5,300	\$21,200,000	212		
2241870	В	E 233RD ST	METRO NORTH RR HAR	м	0		1	s	4/30/2012	4.902	F	7,664	\$30,656,000	212	207	
2241890	В	E 241ST ST	BRP, METRO NORTH HAR	м	wo		28	s	10/5/2011	4.306	F	49,500	\$198,000,000	212		
2241270	В	E TREMONT AVE	AMTRAK - CSX	AC	0		2	s	8/27/2012	5.153	G	22,300	\$89,200,000	209	211	
2242149	В	E TREMONT AVE	BRONX RIVER		wo		2	s	5/30/2012	4.500	F	12,900	\$51,600,000	206		
2075820	В	E TREMONT AVE	HUTCHINSON RVR PKWY		Α		2	s	11/21/2011	4.444	F	10,200	\$40,800,000	210	,	
2241760	В	E TREMONT AVE	METRO NORTH RR HAR	м	0		1	s	7/6/2011	6.450	VG	8,424	\$33,696,000	206	;	
2242260	В	EAGLE AVE	E 161ST ST		0		1	s	2/10/2012	5.017	G	2,800	\$11,200,000	201	203	į
2244040	к	EAST DR (EAST WOOD ARCH)	PED PATH NR CENTER DR		0	Р	1	С	6/27/2012	4.067	F	1,066	\$4,262,400	355	;	
2244010	к	EAST DR (ENDALE ARCH)	PED PATH NR GRND ARMY PLZ		0	Р	1	С	5/15/2012	4.833	F	1,533	\$6,132,000	355	;	
2246069	М	EAST DR (GREEN GAP ARCH)	PED BET E 63ST & E 64ST		0	Р	1	s	1/18/2012	4.433	F	2,075	\$8,300,000	164		
2246350	М	EAST DR (GREYWACKE ARCH)	PED PATH OPP E 80TH ST		0	Р	1	С	5/4/2012	3.733	F	1,266	\$5,064,000	164		
2246470	М	EAST DR (HUDDLESTONE ARCH)	THE LOCH		wo	Р	1	s	1/26/2012	4.500	F	1,100	\$4,400,000	164		
2246040	М	EAST DR (INSCOPE ARCH)	PED PATH OPP E 62 ST		0	Р	1	С	4/4/2012	4.400	F	1,515	\$6,060,000	164		
2246170	м	EAST DR (TREFOIL ARCH)	PED PATH OPP E 73RD ST		0	Р	1	s	1/30/2012	5.130	G	1,900	\$7,600,000			
2246130	м	EAST DR (WILLOWDELL ARCH)	PED PATH OPP E 67TH ST		0	Р	1	С	4/25/2012	3.395	F	666	\$2,665,600			
2244030	к	EAST DRIVE	BRIDLE PATH NR ZOO		0	Р	1	s	4/27/2011	4.878	F	2,000	\$8,000,000			
2246110	м	EAST DRIVE	TRANSVERSE RD #1		0	Р	1	s	3/23/2012	4.667	F	6,000	\$24,000,000			
2246230	м	EAST DRIVE	TRANSVERSE RD #2		0	Р	1	s	3/21/2012	4.600	F	5,080	\$20,320,000			
2246250	M	EAST DRIVE	TRANSVERSE RD #3		0	P	1	s	1/18/2012	4.433	F	4.500	\$18,000,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2246270	М	EAST DRIVE	TRANSVERSE RD #4		0	P	1	s	3/23/2012	4.100	F	7,000	\$28,000,000	164	oxdot	
2249720	R	EAST FOOTBRIDGE	CLOVE LAKE		WO-PED	P	2	С	8/2/2011	4.229	F	900	\$3,600,000	501	لـــــا	
2242010	В	EAST FORDHAM RD	BRONX RIVER		WA		1	s	3/5/2012	5.207	G	9,200	\$36,800,000	227		
2242350	В	EAST FORDHAM RD	GRAND CONCOURSE		0		1	s	2/17/2012	4.567	F	10,300	\$41,200,000	205	207	
2241900	В	EASTCHESTER ROAD	NYCTA-DYRE AVE LN	т	0		3	s	11/19/2012	4.486	F	13,500	\$54,000,000	212		
2243279	к	EASTERN PKWY	FRANKLIN SHUTTLE	т	0		1	s	9/6/2012	4.861	F	7,700	\$30,800,000	309	308	-
2247470	Q	ELIOT AVE	CSX TRANSPORT	С	0		1	s	10/4/2011	5.083	G	2,960	\$11,840,000	405		
2247550	Q	ELIOT AVE	LIRR MONTAUK DIV	L	0		2	s	9/19/2011	5.712	G	9,550	\$38,200,000	405		ŀ
2248160	Q	ELLIOT AVE	QUEENS BLVD		0		2	s	8/7/2012	4.804	F	13,785	\$55,140,000	406		
2269600	к	ERSKINE ST	BSHP		Α		1	s	8/20/2012	5.938	G	8,258	\$33,032,000	305		
2241200	В	FAILE ST	AMTRAK - CSX	AC	0		1	s	10/12/2012	5.578	G	6,208	\$24,832,000	202		
2231620	ρ	FARMERS BLVD	BSOP		Α		2	s	5/10/2012	4.477	F	6,400	\$25,600,000	413		
2249790	R	FB S OF FOREST AV	STREAM IN PARK		WO-PED	Р	3	С	10/5/2012	4.651	F	700	\$2,800,000	501		
223201A	М	FDR DR N.B. OFF RMP	FDR DR & SOUTH ST		AR		17	s	4/24/2012	3.925	F	23,373	\$93,492,000	101		
223201C	М	FDR DR S.B. OFF RMP	SOUTH ST		AR		8	s	2/9/2012	4.821	F	36,700	\$146,800,000	103		
2233038	М	FDR DRIVE SB	FDR NB / E 62ND ST		AT		34	s	12/5/2012	6.563	VG	58,700	\$234,800,000	106	108	
2268650	М	FDR NB E42ND TO E49TH ST	EAST RIVER		Α		119	s	10/28/2011	3.660	F	30,767	\$123,068,000	106		
223204A	М	FDR NB RAMP TO HOUSTON ST	RELIEF		AR		4	s	1/20/2012	4.706	F	6,150	\$24,600,000	103		
2229520	В	FIELDSTON ROAD	ннр		Α		1	s	7/21/2011	5.033	G	6,600	\$26,400,000	208		
2249480	R	FINGERBOARD ROAD	SIRT SOUTH SHORE	s	0		2	s	10/5/2011	6.486	VG	5,100	\$20,400,000	502		
2231460	к	FLATBUSH AVE	BSHP		Α		2	s	9/22/2011	6.250	VG	14,058	\$56,232,000	356		
2243260	к	FLATBUSH AVE	FRANKLIN SHUTTLE	т	0		2	s	7/23/2012	4.922	F	11,300	\$45,200,000	309		
2243510	к	FLATBUSH AVE	LIRR BAY RIDGE	N	0		2	s	10/5/2012	4.730	F	5,900	\$23,600,000	318		
2248090	Q	FLSHG MDW PK PED	COLLEGE POINT BLVD		O-PED	Р	3	С	2/23/2012	4.694	F	8,400	\$33,600,000			
2248240	Q	FLUSHING AV SERVICE RD	FLUSHING AVE		0		1	s	7/12/2011	5.250	G	2,940	\$11,760,000			
2248379	Q	FLUSHING MDW PARK RD	AQUACADE LAKE		wo	Р	5	s	8/19/2011	4.296	F	6,300	\$25,200,000	481		
2248260	Q	FLUSHING MDW PARK RD	MEADOW LAKE		wo	Р	5	s	5/22/2012	4.458	F	4,200	\$16,800,000			
2248130	Q	FLUSHING MEADOW PK PED	WILLOW LK&76TH RD		WO-PED	Р	4	С	4/20/2002	1.000	С	1,891	\$7,564,000			
2248140	Q	FLUSHING MEADW PK RD	STREAM N OF LIE		wo	Р	5	s	8/19/2011	4.481	F	4,100	\$16,400,000			
2249780	R	FOOTBRIDGE	BROOKS LAKE DAM		WO-PED	Р	1	С	5/24/2012	3.433	F	800	\$3,200,000	501		
2249800	R	FOREST AVE	CLOVE LAKES PK STREAM		wo	P	1	s	10/7/2011	4.567	F	1,600	\$6,400,000			_
2248340	Q	FOREST PARK DR	MYRTLE AVE		0	P	3	s	6/13/2011	4.984	F	5,100	\$20,400,000		\Box	
2247660	Q	FOREST PARK DRIVE	ABANDONED LIRR		0	P	6	s	2/23/2012	4.524	F	10,000	\$40,000,000			
2247590	Q	FOREST PARK DRIVE	LIRR MONTAUK DIV	L	0	P	5	s	10/1/2012	5.158	G	6,000		409		
2243620	К	FORT HAMILTON PKWY	LIRR & SEA BEACH	NT	0		3	s	9/19/2012	4.729	F	14,800	\$59,200,000			-
2246500	м	FORT TRYON PLACE	ENTR FROM RIVERSIDE DR		0	P	1	s	2/8/2012	4.729	F	3,280	\$13,120,000		\exists	
2243150	ĸ	FOSTER AVE	BMT SUBWAY, BRIGHTON	т	0		1	s	7/25/2012	4.383	F	3,000	\$13,120,000		\exists	
2231930	Q	FRANCIS LEWIS BLVD	BCIP	'	Α		3	S	2/3/2012	4.682	F	9,100	\$12,000,000			
2231930	Q	FRANCIS LEWIS BLVD FRANCIS LEWIS BLVD	BLP E.B.		Α Α		1	s	3/29/2012	5.167	G	6,000	\$36,400,000			
2231690		FRANCIS LEWIS BLVD FRANCIS LEWIS BLVD	BLP E.B. BLP W.B.		Α Α		1	s	3/29/2012 3/29/2012	5.167 4.700	G F	6,000	\$24,000,000 \$24,000,000		\vdash	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2267199	Q	FRANCIS LEWIS BLVD	CUNNINGHAM PK RD		0		1	s	5/27/2011	5.033	G	7,085	\$28,340,000	408	_	
2249450	R	FREMONT AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		3	С	7/27/2012	3.618	F	800	\$3,200,000	502		
224006A	В	FROM BRUCKNER BLVD	RELIEF		OR		5	s	9/28/2011	6.761	VG	14,037	\$56,148,000	201		
224005A	М	FROM FDR DRIVE	HARLEM RIVER DR		OR		11	s	11/29/2012	7.000	VG	28,233	\$112,932,000	111		
2242120	В	FTBG N OF RTE 1	BRONX RIVER		WO-PED	P	1	С	7/13/2012	3.583	F	1,900	\$7,600,000	227		
226771C	М	GAR RAMP TO 79 ST	79 ST BT BASIN GAR		AR	P	21	s	5/22/2012	4.435	F	9,095	\$36,380,000	107		
2241420	В	GERARD AVE	METRO NORTH RR HUD	М	0		1	s	5/16/2012	5.797	G	5,063	\$20,252,000	204		
2249360	R	GIFFORDS LANE	SIRT SOUTH SHORE	s	0		1	s	10/23/2012	5.531	G	3,042	\$12,168,000	503		
2243860	к	GLENMORE AVE	LIRR BAY RIDGE	N	0		2	s	9/25/2012	6.559	VG	5,616	\$22,464,000	316		
2065940	Q	GRAND AVE	495I (L.I.E.)		Α		2	s	12/6/2012	4.861	F	12,850	\$51,400,000	405		
2247440	Q	GRAND AVE	CSX TRANSPORT	С	0		1	s	9/9/2011	6.183	VG	3,280	\$13,120,000	405		
2247180	Q	GRAND AVE	LIRR MAIN LINE	L	0		3	s	10/24/2012	4.396	F	7,415	\$29,660,000	404		
2242370	В	GRAND CONCOURSE	BEDFORD PARK BLVD		0		1	s	2/16/2012	4.137	F	8,418	\$33,672,000	207		
2242360	В	GRAND CONCOURSE	BURNSIDE AVE		o		2	s	8/2/2012	4.441	F	8,400	\$33,600,000	205		
2242299	В	GRAND CONCOURSE	E 138TH ST		0		1	s	5/25/2011	4.467	F	9,500	\$38,000,000	201		
2242259	В	GRAND CONCOURSE	E 161ST ST		o		1	s	7/31/2012	6.333	VG	27,017	\$108,068,000	204		
2242280	В	GRAND CONCOURSE	E 167TH ST		0		2	s	7/20/2012	4.754	F	42,900	\$171,600,000	204		
2242300	В	GRAND CONCOURSE	E 170TH ST		0		2	s	2/23/2012	4.789	F	39,300	\$157,200,000	204		
2242319	В	GRAND CONCOURSE	E 174TH ST	т	0		1	s	2/24/2012	4.067	F	14,900	\$59,600,000	204		
2242329	В	GRAND CONCOURSE	E 175TH ST	т	0		1	s	7/17/2012	4.833	F	11,900	\$47,600,000	205		
2242380	В	GRAND CONCOURSE	E 204TH ST		0		1	s	9/26/2011	5.484	G	9,272	\$37,088,000	207		
2242330	В	GRAND CONCOURSE	E TREMONT AVE		0		1	s	9/28/2011	5.983	G	11,700	\$46,800,000	205		
2242340	В	GRAND CONCOURSE	EAST KINGSBRIDGE		0		2	s	7/24/2012	4.714	F	18,285	\$73,140,000	207		
2241409	В	GRAND CONCOURSE	METRO NORTH RR HUD	мт	0		1	s	5/16/2012	3.797	F	14,300	\$57,200,000	204		
2240390	KQ	GRAND ST BRIDGE	NEWTOWN CREEK		WMO		2	s	10/7/2012	4.042	F	5,100	\$20,400,000	301	405	
2249100	R	GRANITE AVE	B&O RR (ABANDONED)	О	0		4	s	3/13/2012	6.034	VG	7,300	\$29,200,000	501		
2249370	R	GREAVES AVE	SIRT SOUTH SHORE	s	0		1	s	8/16/2011	6.550	VG	2,650	\$10,600,000	503		
2240370	KQ	GREENPOINT AVE BRIDGE	NEWTOWN CREEK	L	WMO		12	s	7/8/2011	5.222	G	76,106	\$304,424,000	301	402	
2231370	к	GUIDER AV RAMP TO BSHP	BSHP		Α		4	s	9/14/2012	6.944	VG	10,548	\$42,192,000	313		
2241860	В	GUN HILL RD	METRO NORTH RR HAR	м	0		1	s	5/1/2012	6.531	VG	9,128	\$36,512,000	212		
2242430		GUN HILL ROAD	BRONX BLVD		0		4	s	2/15/2012	5.018	G	9,400	\$37,600,000			
2242440	В	GUN HILL ROAD	BRONX RIVER		wo		1	s	2/13/2012	5.300	G	8,700	\$34,800,000			
2241910	В	GUN HILL ROAD	NYCTA-DYRE AVE LN	т	0		1	s	11/19/2012	5.750	G	7.500	\$30,000,000		212	
2231610		GUY R. BREWER BLVD	BSOP		A		4	s	6/2/2011	6.222	VG	12.342	\$49,368,000			
2249380		GUYON AVE	SIRT SOUTH SHORE	s	0		3	s	9/9/2011	4.377	F	6.900	\$27,600,000		1	
2240232	к	HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	s	9/7/2011	5.306	G	7,300	\$29,200,000		\dashv	=
2240231		HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	s	9/13/2012	5.472	G	7,300	\$29,200,000		306	\neg
2065930	Q	HAMILTON PLACE	4951 (L.I.E.)		A		2	s	3/5/2012	5.611	G	11,111		405		\neg
2249520		HANNAH ST	SIRT SOUTH SHORE	s	0		10	s	9/22/2011	4.898	F	10,020	\$40,080,000			
2249520		HARBOR ROAD	B&O RR (ABANDONED)	0	0		4	s	8/20/2011	6.220	VG	5,778	\$40,080,000 \$23,112,000		\dashv	-

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD:	2 CD3
2233059	М	HARLEM RIVER DRIVE	RAMP TO & FROM HRD N.B.		Α		11	S 7/12/2012	3.507	F	51,000	\$204,000,000	111		
2231780	Q	HEMPSTEAD AVE	BCIP		Α		2	S 2/3/2012	4.065	F	14,200	\$56,800,000	413		
2266149	Q	HEMPSTEAD AVE	BCIP RAMP NB		Α		2	S 3/15/2012	3.937	F	9,500	\$38,000,000	413		
2267250	М	ннР	AMTRAK - W96TH ST	Α	Α		55	S 12/5/2012	3.548	F	40,000	\$160,000,000	107		
2229530	В	ннР	BROADWAY		Α		1	S 7/22/2011	4.574	F	7,500	\$30,000,000	208		
2229440	В	ннр	KAPPOCK ST		Α		1	S 7/18/2011	4.931	F	3,900	\$15,600,000	208		
2266229	М	ннр	PED UNDERPASS @ 148 ST		Α		1	S 2/2/2012	5.000	O	1,840	\$7,360,000	109		
2229309	М	ннР	RIVERSIDE PARK		Α		1	S 1/5/2012	5.133	G	2,172	\$8,688,000	107		
2229349	М	ннр	W 158 ST	Α	Α		44	S 12/17/2012	4.155	F	140,000	\$560,000,000	109	112	,
2266230	м	HHP NB	PED UNDERPASS INWD PK		Α		1	S 1/6/2012	5.000	G	800	\$3,200,000	112		
2229322	м	HHP NB	RAMP FROM 96 ST		Α		1	S 2/6/2012	5.300	G	2,000	\$8,000,000	107		
2229312	м	HHP NB	RAMP TO 96 ST		Α		1	S 2/1/2012	4.182	F	2,000	\$8,000,000	107		
M00004	м	HHP ON/OFF RMP-79TH ST NO. SIDE	PED PATH NO. OF 79TH ST		Α		1	C 6/27/2012	5.000	G	900	\$3,600,000	107		
M00003	м	HHP ON/OFF RMP-79TH ST SO. SIDE	PED PATH SO. OF 79TH ST		Α		1	C 6/6/2012	3.667	F	900	\$3,600,000	107		
2266240	м	HHP SB	PED UNDERPASS INWD PK		Α		1	S 1/6/2012	5.526	G	1,100	\$4,400,000	112		
2229321	м	HHP SB	RAMP FROM 96 ST		Α		1	S 2/6/2012	5.133	G	2,000	\$8,000,000	107		
2229311	м	HHP SB	RAMP TO 96 ST		Α		1	S 2/1/2012	4.455	F	2,000	\$8,000,000	107		
2229289	м	HHP VIADUCT	AMTRAK - W72 ST - W79 ST	Α	Α		145	S 10/22/2012	3.597	F	236,100	\$944,400,000	107		
2246580	вм	HIGH BRIDGE PDOVP	187 - HARLEM RIVER	м	WA-PED	Р	11	P 8/12/2002	3.759	F	34,100	\$136,400,000	112	204	į.
2230000	к	HIGHLAND BLVD E.B.	JACKIE ROBINSON PKWY		Α		1	S 3/14/2012	4.724	F	4,900	\$19,600,000	305		
2230220	к	HIGHLAND BLVD NB	VERMONT AVE		Α		1	S 5/18/2011	5.857	G	3,995	\$15,980,000	305		
2230010	к	HIGHLAND BLVD W.B.	JACKIE ROBINSON PKWY		Α		1	S 3/14/2012	4.767	F	3,500	\$14,000,000	305		
2230020	к	HIGHLAND BLVD W.B.	JACKIE ROBINSON PKWY		Α		2	S 3/14/2012	4.974	F	4,700	\$18,800,000	305		
2248280	Q	HIGHLAND PK PED.	PEDESTRIAN PATH		O-PED	Р	1	C 10/1/2012	3.667	F	1,900	\$7,600,000	405		
2243780	к	HIGHLAWN AVE	BMT SEA BEACH	т	o		1	S 9/13/2011	6.400	VG	6,960	\$27,840,000	311		
2244060	к	HILL DR (CLEFT RIDGE SPAN)	PED PATH SO OF BOATHOUSE		0	Р	1	C 5/2/2012	4.433	F	750	\$3,000,000	355		
2244120	к	HILL DR (TERRACE BRDG)	PROSPECT PK LAKE		wo	Р	3	S 8/22/2012	3.364	F	7,800	\$31,200,000	355		
2231840	Q	HILLSIDE AVE	BCIP		Α		2	S 3/30/2012	4.026	F	9,672	\$38,688,000	413		
2247320	D	HONEYWELL ST	AMTRAK & LIRR YARD	AL	0		22	S 11/4/2011	5.903	О	99,036	\$396,144,000	402	401	
2232040	М	HOUSTON ST	FDR DRIVE		Α		2	S 4/30/2012	3.773	F	11,010	\$44,040,000	103		
223204B	М	HOUSTON ST RAMP TO FDR NB	RELIEF		AR		4	S 1/23/2012	4.792	F	7,125	\$28,500,000	103		
2267240	М	HRD RAMP TO GWB	HARLEM RIVER DR SB		Α		55	S 10/15/2012	3.014	F	122,900	\$491,600,000	112		
2249300	R	HUGUENOT AVE	SIRT SOUTH SHORE	s	o		2	S 10/3/2011	4.788	F	4,900	\$19,600,000	503		
2240450	Q	HUNTERS PT AVE	DUTCH KILLS		WMO		4	S 7/3/2012	5.083	G	12,168	\$48,672,000	402		
2241190	В	HUNTS POINT AVE	AMTRAK - CSX	AC	o		1	S 10/12/2012	4.828	F	10,049	\$40,196,000	202		
2241959	В	HUTCHINSON RVR PKWY	AMTRAK - CSX	AC	0		1	S 5/25/2012	5.780	G	15,444	\$61,776,000	210	211	
2075859	В	HUTCHINSON RVR PKWY	HUTCHINSON RIVER		WMA		7	S 10/16/2012	4.703	F	60,500	\$242,000,000	210	228	,
2249810	R	HYLAN BLVD	LEMON CREEK		wo		1	S 2/15/2012	6.313	VG	11,400	\$45,600,000	503		
2245300	м	INWOOD HILL PK FTBR	AMTRAK 30 ST BRANCH	Α	O-PED	Р	6	C 2/9/2012	4.100	F	700	\$2,800,000	112		
2246700	М	ISHAM PK PED BRDG	HARLEM RV INLET		WO-PED	Р	1	C 1/6/2012	3.552	F	300	\$1,200,000	112		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2246690	М	ISHAM PK VEHICULR	HARLEM RIVER INLET		0	Р	1	s	5/4/2012	6.261	VG	911	\$3,644,000 1	112		<u> </u>
2248299	Q	J.R. PKWY-UNION TPKE	AUSTIN ST		0		1	s	5/30/2012	4.806	F	5,900	\$23,600,000 4	409	406	<u></u>
2230099	Q	JACKIE ROBINSON PKWY	CYPRESS HILLS CEMETRY		A		1	s	1/5/2012	5.444	G	4,200	\$16,800,000 4	405		
2230179	Q	JACKIE ROBINSON PKWY	METROPOLITAN AVE		A		2	s	5/4/2012	5.286	G	8,673	\$34,692,000 4	482		
2247260	Q	JACKSON AVE	LIRR MONTAUK DIV	L	0		1	s	10/22/2012	6.117	VG	4,517	\$18,068,000 4	402		
2231819	Q	JAMAICA AVE	BCIP		Α		2	s	3/23/2012	4.773	F	11,500	\$46,000,000	413		
2230287	В	JEROME AVE	MOSHOLU PARKWAY	т	Α		3	s	4/22/2011	4.816	F	11,800	\$47,200,000 2	207		
2249070	R	JOHN ST	B&O RR (ABANDONED)	О	O-PED		2	С	8/30/2012	5.620	G	1,050	\$4,200,000 5	501		
2247480	Q	JUNIPER BLVD SO	CSX TRANSPORT	С	0		1	s	10/5/2011	5.000	G	9,000	\$36,000,000 4	405		
2230380	к	KANE ST	278I (B.Q.E.)		A		2	s	3/26/2012	4.208	F	5,000	\$20,000,000	306		
2243770	к	KINGS HIGHWAY	BMT SEA BEACH	т	0		1	s	9/13/2011	6.767	VG	5,032	\$20,128,000	311		
2231449	к	KNAPP ST	BSHP		Α		1	s	4/20/2012	4.406	F	9,500	\$38,000,000	315	ļ	
2241169	В	LAFAYETTE AVE	AMTRAK - CSX	AC	0		1	s	10/5/2012	5.651	G	12,000	\$48,000,000 2	202		
2249110	R	LAKE AVE	B&O RR (ABANDONED)	0	0		3	s	5/1/2012	5.333	G	5,900	\$23,600,000 5	501		
2247240	Q	LEFFERTS BLVD	LIRR MAIN LINE	L	0		3	s	9/29/2011	5.806	G	5,460	\$21,840,000 4	409		
2241139	В	LEGGETT AVE	AMTRAK - CSX	AC	0		3	s	10/8/2012	4.620	F	41,551	\$166,204,000 2	202		
2243850	к	LIBERTY AVE	LIRR BAY RIDGE	N	0		3	s	9/25/2012	6.294	VG	6,659	\$26,636,000	316		
2249460	R	LINCOLN AVE	SIRT SOUTH SHORE	s	0		1	s	11/18/2011	5.172	G	4,500	\$18,000,000 5	502		
2243190	к	LINCOLN PLACE	FRANKLIN SHUTTLE	т	0		1	s	9/6/2012	6.797	VG	2,460	\$9,840,000	308		
2243010	к	LINCOLN ROAD	BMT SUBWAY, BRIGHTON	т	0		1	s	7/24/2012	6.685	VG	6,016	\$24,064,000	355		
2231750	Q	LINDEN BLVD	BCIP		Α		2	s	3/2/2012	4.250	F	6,700	\$26,800,000	413		
2243910	к	LIVONIA AVE PED BRDG	LIRR BAY RIDGE LINE	N	O-PED		6	С	4/16/2012	4.833	F	2,500	\$10,000,000	316		
2241159	В	LONGWOOD AVE	AMTRAK - CSX	AC	0		2	s	10/10/2012	5.236	G	10,625	\$42,500,000 2	202		
1240090	вм	MACOMBS DAM BRIDGE	HARLEM RIVER	м	WMO		52	s	11/30/2011	3.930	F	220,000	\$880,000,000 1	110	204	
2240079	вм	MADISON AVE BRIDGE	HARLEM RIVER		WMO		21	s	9/20/2012	4.944	F	80,000	\$320,000,000 1	111	201	
2242210	В	MAGNOLIA WAY	BRONX RIVER		wo		3	s	5/31/2012	4.763	F	6,200	\$24,800,000 2	227		
2249210	R	MAIN ST PED BRDG	SIRT SOUTH SHORE	s	O-PED		9	С	7/24/2012	4.123	F	400	\$1,600,000 5	503		
2240027	км	MANHATTAN BRIDGE(LL)	EAST RIVER	т	WEO		23	s	11/19/2012	4.653	F	616,390	\$2,465,560,000 1	103	302	
2240028	км	MANHATTAN BRIDGE(UL)	NYCTA TRACKS-BMT	т	WEO		43	s	11/19/2012	3.757	F	587,424	\$2,349,696,000 1	103	302	
2229480	В	MANHATTAN COLL PKWY	ННР		Α		3	s	4/29/2011	5.053	G	6,200	\$24,800,000 2	208		
2245040	м	MARGARET CORBIN DR	PED PATH NEAR CAFÉ		0	Р	1	С	6/29/2012	4.933	F	598	\$2,392,000 1	112		
2245050	м	MARGARET CORBIN DR	PED PATH NR NO ENTR		0	Р	1	С	6/29/2012	4.333	F	889	\$3,556,000 1	112		
2230190	Q	MARKWOOD ROAD	JACKIE ROBINSON PKWY		A		1	s	2/1/2012	5.167	G	4,400	\$17,600,000 4		406	
2249760	R	MARTLINGS AVE	RICHMOND LAKE DAM		wo		2	s	6/9/2011	4.600	F	7,000	\$28,000,000 5			
2269030		MATTHEWSON ROAD	MAC CRACKEN AVE		0		15	s	12/7/2012	4.316	F	14,880	\$59,520,000 2			
2243410	ĸ	MCDONALD AVE	LIRR BAY RIDGE	N	0		1	s	9/27/2012	5.047	G	2,760	\$11,040,000			
2241110	В	MELROSE AVE	CSX TRANS - PT MORRIS	С	0		8	s	8/3/2011	5.611	G	37,854	\$151,416,000 2			
2231710		MERRICK BLVD	BLP N.B.		A		1	s	2/22/2012	4.467	F	6,000	\$24,000,000 4			
2231720	Q	MERRICK BLVD	BLP S.B.		Α		1	s	2/15/2012	4.200	F	6,000	\$24,000,000 4			
2247500	1	METROPOLITAN AVE	CSX TRANSPORT	С	0		1	s	10/5/2011	4.233	F.	18.650	\$74,600,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2240290	к	METROPOLITAN AVE	ENGLISH KILLS		WMO		5	s	6/28/2011	6.000	G	10,550	\$42,200,000	301		
1247560	Q	METROPOLITAN AVE	LIRR -NY&ATL	LN	0		2	s	10/3/2012	3.603	F	20,900	\$83,600,000	405		
2249470	R	MIDLAND AVE	SIRT SOUTH SHORE	s	0		1	s	11/22/2011	5.466	G	3,000	\$12,000,000	502		
2257569	М	MILLER HIGHWAY	TERRAIN		A		64	s	10/22/2012	4.352	F	272,475	\$1,089,900,000	104	107	
2249530	R	MINTHORNE ST PED BRDG	SIRT SOUTH SHORE	s	O-PED		26	С	10/4/2012	4.453	F	6,000	\$24,000,000	501		
2243240	к	MONTGOMERY ST	FRANKLIN SHUTTLE	т	0		1	s	8/11/2011	5.961	G	2,240	\$8,960,000	309		
2249090	R	MORNINGSTAR ROAD	B&O RR (ABANDONED)	o	0		4	s	5/3/2012	4.864	F	7,900	\$31,600,000	501		
2268930	М	MORRIS ST PED BRDG	BKLN-BATTERY TUNN PLZ		A-PED		3	С	6/4/2012	3.764	F	1,200	\$4,800,000	101		
2230250	В	MOSHOLU PARKWAY	BRONX RIVER		WA		5	s	1/12/2012	4.211	F	16,300	\$65,200,000	227		
2230300	В	MOSHOLU PARKWAY	CONRAIL (ABANDONED)	С	Α		1	s	8/31/2012	4.271	F	4,600	\$18,400,000	226		
2230290	В	MOSHOLU PARKWAY	EQUESTRIAN PATH		Α		1	s	1/20/2012	4.310	F	4,300	\$17,200,000	226		
2230260	В	MOSHOLU PARKWAY	METRO NORTH	м	Α		1	s	4/21/2012	5.516	G	8,880	\$35,520,000	227	207	
2230310	В	MOSHOLU PARKWAY	SB RAMP TO HHP		Α		2	s	9/26/2011	4.919	F	7,400	\$29,600,000	226		
2230270	В	MOSHOLU PARKWAY	WEBSTER AVE		А		1	s	5/13/2011	5.328	G	8,480	\$33,920,000			
2248100	Q	MOTOR PKWY (PED)	73RD AVE		O-PED	Р	3	С	2/2/2012	4.541	F	2,600	\$10,400,000			
2248110	Q	MOTOR PKWY (PED)	ALLEY PK PED WALK		O-PED	Р	1	С	6/7/2012	3.983	F	1,000	\$4,000,000	413		
2248060	Q	MOTOR PKWY (PED)	BELL BLVD		O-PED	Р	2	С	6/22/2012	4.208	F	2,650	\$10,600,000	411		
2248059	Q	MOTOR PKWY (PED)	FRANCIS LEWIS BLVD		O-PED	Р	2	С	6/14/2012	4.194	F	2,800	\$11,200,000	408		
2248080	Q	MOTOR PKWY (PED)	HOLLIS COURT BLVD		O-PED	Р	3	С	11/21/2012	4.612	F	2,700		408		
2248070	Q	MOTOR PKWY (PED)	SPRINGFIELD BLVD		O-PED	Р	3	С	6/5/2012	3.582	F	2,900	\$11,600,000			
2247110		MURRAY ST	LIRR PORT WASH BR	L	0		1	s	9/15/2011	5.370	G	4,000	\$16,000,000			
2247620		MYRTLE AVE	ABANDONED LIRR		0		3	s	1/6/2012	5.028	G	6.725	\$26,900,000		406	
2230120	Q	MYRTLE AVE	JACKIE ROBINSON PKWY		A		1	s	4/26/2012	5.250	G	6.400	\$25,600,000	405	482	
2231670	0	N CONDUIT AVE WB	BLP E.B.		Α.		1	s	1/25/2012	4.917	F	4.000	\$16,000,000			
2231680	Q	N CONDUIT AVE WB	BLP W.B.		Α		2	s	1/25/2012	4.932	F	6,500	\$26,000,000			
205580A	Q	N.BLVD WB TO 678I SB	VACANT LAND		AR		16	s	6/19/2012	5.619	G	8,600	\$34,400,000			
2249350	R	NELSON AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		3	С	7/25/2012	4.115	F	300	\$1,200,000			
1067150	В	NEREID AVE (E. 240TH ST)	BRONX RIVER PKWY	М	0		10	s	10/6/2011	4.474	F	57,750	\$231,000,000			
2249430	R	NEW DORP LANE	SIRT SOUTH SHORE	s	0		2	s	10/14/2011	4.847	F	7.600	\$30,400,000			-
2243660	к	NEW UTRECHT AVE	LIRR BAY RIDGE	N	0		1	s	11/13/2012	6.083	VG	2.350	\$9,400,000			
2243140	ĸ	NEWKIRK AVE	BMT SUBWAY, BRIGHTON	т	0		3	s	9/14/2012	4.662	F	4.100	\$16,400,000			
2240240	к	NINTH ST BRIDGE	GOWANUS CANAL	•	WMO		3	s	5/27/2011	6.581	VG	5,772	\$23,088,000			
2269760	R	NORTH RAMP	SIRT	s	0	F	9	s	11/30/2012	6.278	VG	17,589	\$70,356,000			_
2240440		NORTHERN BLVD	ALLEY CREEK	3	wo		2	s	8/9/2012	4.681	F	8,300	\$33,200,000			_
	Q	NORTHERN BLVD	BCIP				2	S	8/28/2012		G		\$33,200,000			\dashv
2231870	Q				A WO		40			5.875	F	9,400				一
2055802		NORTHERN BLVD EB	FLUSHING RIVER		WO			s	11/21/2012	4.324		78,894	\$315,576,000			\dashv
2055801	Q	NORTHERN BLVD WB	FLUSHING RIVER		wo		40	S	11/21/2012	4.338	F	71,900	, , , , , , , , ,	407	-	\dashv
2243500	K	NOSTRAND AVE	LIRR BAY RIDGE	N	0		2	S	9/26/2012	4.831	F	4,320	\$17,280,000			\exists
2240138		NYCTA IRT	HARLEM RVR/BROADWAY	TM	WMO		3	S	11/21/2011	4.720	F	19,520	\$78,080,000		207	208
2243480	K	OCEAN AVE	LIRR BAY RIDGE	N	0		2	S	9/25/2012	4.825	F	5,000	\$20,000,000	314		

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2240320	к	OCEAN AVE PED BRDG	SHEEPSHEAD BAY		WO-PED		30	С	9/15/2011	4.571	F	4,450	\$17,800,000	315		
2243439	к	OCEAN PKWY	LIRR BAY RIDGE	N	0		1	s	9/27/2012	4.927	F	7,000	\$28,000,000	312		
2249269	R	PAGE AVE	SIRT SOUTH SHORE	s	0		4	s	8/25/2011	5.889	G	30,710	\$122,840,000	503		
2245470	М	PARK AVE N.B	E 45TH ST		0		1	s	5/30/2012	4.865	F	2,400	\$9,600,000	105		
2245460	М	PARK AVE S.B.	E 45TH ST		0		1	s	5/25/2012	4.514	F	2,400	\$9,600,000	105		
2246550	м	PARK AVE VIADUCT	E 42ND ST		0		10	s	12/14/2012	4.478	F	22,150	\$88,600,000	105		
2247600	Q	PARK LANE SOUTH	LIRR MONTAUK DIV	L	0		1	s	10/18/2012	6.983	VG	3,024	\$12,096,000	409	482	
2242099	В	PARK ROAD (204TH ST)	BRONX RIVER		wo		1	s	6/4/2012	4.655	F	4,700	\$18,800,000	212		
224001A	м	PARK ROW TO BKLN	WILLIAM ST N.B.		OE		4	s	4/24/2012	4.500	F	10,167	\$40,668,000	101		
2269780	R	PARKING ENTR RAMP	SIRT	s	o	F	3	s	11/12/2012	5.944	G	8,589	\$34,356,000	501		
2269730	R	PARKING EXIT RAMP	SIRT	s	0	F	10	s	11/30/2012	6.097	VG	20,727	\$82,908,000	501		
2243020	к	PARKSIDE AVE	BMT SUBWAY, BRIGHTON	т	o		6	s	9/14/2012	3.826	F	48,700	\$194,800,000	314		
2247060	Q	PARSONS BLVD	LIRR PORT WASH BR	L	0		1	s	10/5/2012	4.824	F	4,200	\$16,800,000	407		
224001C	м	PEARL ST TO BKLN	LAND ADJ TO BRDG		OE		9	s	3/14/2012	3.814	F	6,365	\$25,460,000	101		
224001F	м	PEARL ST TO FDR DR	LAND ADJ TO BRDG		OE		3	s	4/2/2012	5.282	G	5,200	\$20,800,000	103		
222928C	м	PED BR AT 73RD ST	HHP - AMTRAK	А	A-PED	Р	5	С	2/14/2012	3.359	F	3,480	\$13,920,000	107		
2246090	м	PED BRDG OPP 65 ST	TRANSVERSE RD #1		O-PED	Р	1	С	7/17/2012	4.655	F	2,300	\$9,200,000	164		
2247630	Q	PED BRG NEAR UNION TPK	ABANDONED LIRR		O-PED		8	С	8/30/2012	5.077	G	1,449	\$5,796,000	406		
2244130	к	PED NR BOATHSE (LULLWATER BRDG)	PROSPECT PK LAKE		WO-PED	Р	1	С	9/16/2011	4.898	F	1,000	\$4,000,000	355		
2246400	м	PED PATH OPP E79 ST	TRANSVERSE RD #2		O-PED	Р	1	С	8/15/2012	4.233	F	3,700	\$14,800,000	164		
2241380	В	PELHAM BAY PK EQUES	AMTRAK - CSX	AC	O-PED	Р	1	С	1/7/2012	3.775	F	4,223	\$16,892,000	228		
2231519	к	PENNSYLVANIA AVE	BSHP		Α		2	s	5/20/2011	5.694	G	6,640	\$26,560,000	356		
2243870	к	PITKIN AVE	LIRR BAY RIDGE	N	0		2	s	9/25/2012	6.515	VG	5,328	\$21,312,000	316		
2243210	к	PRESIDENT ST	FRANKLIN SHUTTLE	т	0		2	s	9/5/2012	5.157	G	2,500	\$10,000,000	309		
2232167	м	PROMENADE OVER FDR	FDR - E81ST ST - E90TH ST		A-PED	Р	53	s	7/6/2011	3.143	F	93,000	\$372,000,000	108		
2268760	м	PS-5 PED BRDG	TENTH AVE		O-PED		5	С	11/29/2012	4.816	F	1,285	\$5,140,000	112		
2240639	KQ	PULASKI BRIDGE	NEWTOWN CREEK		WMO		44	s	5/11/2012	4.662	F	205,770	\$823,080,000	301	402	
2230530	Q	QUEENS BLVD	278I (B.Q.E.)		Α		2	s	11/20/2012	6.417	VG	25,543	\$102,172,000	402		
2230869	Q	QUEENS BLVD	ACCESS RD BQE S.B.		А		1	s	10/17/2012	5.909	G	7,900	\$31,600,000	402		
2247310	Q	QUEENS BLVD	AMTRAK & LIRR YARD	AL	0		19	s	12/6/2012	6.268	VG	92,400	\$369,600,000	402	401	
2230209	Q	QUEENS BLVD	JACKIE ROBINSON PKWY	т	Α		5	s	7/9/2012	4.968	F	37,700	\$150,800,000	409		
2240047	MQ	QUEENSBORO BRIDGE (LL)	EAST RIVER	AL	WEO		53	s	12/5/2012	4.264	F	626,900	\$2,507,600,000	108	402	401
2240048	MQ	QUEENSBORO BRIDGE (UL)	EAST RIVER - LL		WEO		37	s	10/26/2012	4.189	F	322,300	\$1,289,200,000	108	402	401
2248040	Q	RAMP TO LINDEN BLVD	SO. CONDUIT AVE		0		1	s	5/30/2012	5.200	G	3,352	\$13,408,000	410		
223201D	м	RAMP TO N.B. FDR DRIVE	FDR & SOUTH ST.		AR		22	s	2/10/2012	4.967	F	15,825	\$63,300,000	101	103	
222934A	м	RAMP TO N.B. HHP	AMTRAK WEST SIDE	Α	AR		26	s	8/13/2012	3.875	F	10,800	\$43,200,000	112		
2240350	R	RICHMOND AVE	RICHMOND CREEK		wo		3	s	6/8/2011	5.472	G	32,589	\$130,356,000	502		
2249270	R	RICHMOND VALLY ROAD	SIRT SOUTH SHORE	s	0		4	s	8/23/2011	5.284	G	9,440	\$37,760,000	503		
2244150	к	RIDGE BLVD	SHORE RD DRIVE		0		1	s	5/24/2011	6.667	VG	4,350	\$17,400,000	310		
2240660	Q	RIKERS ISLAND BRIDGE	RIKERS ISL CHANNEL		wo		56	s	12/18/2012	4.380	F	183,100	\$732,400,000		480	\exists

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2241430	В	RIVER AVE	METRO NORTH RR HUD	М	0		1	s	7/13/2011	6.156	VG	5,040	\$20,160,000	204	<u> </u>	
2229510	В	RIVERDALE AVE	ННР		Α		2	s	7/20/2011	5.079	G	5,200	\$20,800,000	208	<u> </u>	
2246980	М	RIVERSIDE DRIVE	W 138TH ST		0		1	s	1/19/2012	4.900	F	6,700	\$26,800,000	109	<u> </u>	
2267130	М	RIVERSIDE DRIVE	W 145TH ST		0		1	s	5/12/2011	4.867	F	5,800	\$23,200,000	109	<u> </u>	
2246720	М	RIVERSIDE DRIVE	W 158TH ST - AMTRAK	A	0		77	s	12/14/2011	3.472	F	185,658	\$742,632,000	109	112	
2246970	М	RIVERSIDE DRIVE	W 96TH ST		0		3	s	5/18/2011	5.471	G	10,600	\$42,400,000	107	Ш.	
2269240	М	RIVERSIDE DRIVE	W. 155TH ST		0		1	s	5/10/2011	4.640	F	2,780	\$11,120,000	109	112	
2246660	М	RIVERSIDE DRIVE	W125TH ST - W134TH ST		0		27	s	7/15/2011	4.306	F	148,300	\$593,200,000	109		
2269200	М	RIVERSIDE DRIVE SOUTH	AMTRAK	Α	0		11	s	11/17/2011	6.069	VG	69,040	276,160,000.00	107		
2300130	Q	ROCKAWAY BLVD	HOOK CREEK		wo		3	s	8/17/2011	6.271	VG	18,302	\$73,208,000	413		
2248369	Q	ROCKAWAY BLVD	THURSTON BASIN		wo		2	s	8/17/2011	5.474	G	6,000	\$24,000,000	483	413	
2230587	Q	ROOSEVELT AVE	278I (B.Q.E.)		Α		2	s	10/28/2011	5.889	G	11,022	\$44,088,000	402		
2240507	Q	ROOSEVELT AVE	678I - FLUSHING RIVER		WA		27	s	11/30/2012	3.465	F	84,424	\$337,696,000	407	481	
2247380	Q	ROOSEVELT AVE	CSX - HELLGATE	С	0		2	s	8/30/2011	6.333	VG	7,380	\$29,520,000	402	403	404
2267160	Q	ROOSEVELT AVE	FLUSHING MDW PK ROAD		0		4	s	8/10/2011	4.746	F	7,280	\$29,120,000	408		
2240640	MQ	ROOSEVELT ISLAND BRDG	E. RIVER E. CHANNEL		WMO		8	s	11/19/2012	5.611	G	36,500	\$146,000,000	108	401	
2249420	R	ROSE AVE	SIRT SOUTH SHORE	s	0		2	s	8/8/2011	5.409	G	3,800	\$15,200,000	502		
2249410	R	ROSS AVE	SIRT SOUTH SHORE	s	0		2	s	8/5/2011	5.379	G	3,800	\$15,200,000	502		
2248200	Q	RUST ST	FLUSHING AVE		o		1	s	7/13/2011	5.000	G	2,940	\$11,760,000	405		
2231560	Q	S CONDUIT BLVD	BSOP		Α		2	s	7/12/2012	5.296	G	15,776	\$63,104,000	410		
2249770	R	S OF BROOKS LAKE	STREAM IN PARK		WO-PED	Р	3	С	12/3/2012	4.946	F	700	\$2,800,000	501		
2230370	к	SACKETT ST	278I (B.Q.E.)		Α		2	s	3/14/2012	4.500	F	5,000	\$20,000,000	306		
226771D	м	SB HHP RAMP TO 79 ST	79 ST BT BASIN GAR		AR	Р	4	s	5/9/2012	4.516	F	2,601	\$10,404,000	107		
2244470	к	SEELEY ST	PROSPECT AVE		0		1	s	5/4/2012	4.033	F	8,482	\$33,928,000	307		
2249290	R	SEGUINE AVE	SIRT SOUTH SHORE	s	0		1	s	9/26/2011	6.016	VG	3,250	\$13,000,000	503		
2248220	Q	SERVICE RD TURNAROUND	FLUSHING AVE		0		1	s	7/13/2011	5.078	G	2,940	\$11,760,000	405		
2241390	В	SHORE RD CIRCLE	AMTRAK - CSX	AC	0		1	s	7/3/2012	7.000	VG	8,067	\$32,268,000	228		
2240200	В	SHORE ROAD	HUTCHINSON RIVER		WMO		7	s	6/15/2012	4.537	F	43,576	\$174,304,000	228		
2270170	R	SI FERRY PED BRDG	PARKING LOT EXIT RDWY		O-PED	F	5	С	6/17/2010	3.163	F	2,917	\$11,668,000	501		
2249120	R	SIMONSON AVE	B&O RR (ABANDONED)	О	0		3	s	4/26/2011	5.963	G	5,819	\$23,276,000	501		
2249860	R	SLATER BLVD	NEW CREEK		wo		1	s	5/4/2011	5.510	G	2,037	\$8,148,000	502		
2242220	В	SNUFF MILL ROAD	BRONX RIVER		wo		2	s	1/13/2012	4.395	F	4,800	\$19,200,000	227		
2249200	R	SOUTH AVE	B&O RR (ABANDONED)	О	0		3	s	8/20/2011	6.709	VG	8,322	\$33,288,000	501		
2244440	к	SOUTH OF TILLARY ST	NAVY ST		O-PED		1	С	8/7/2012	3.958	F	6,200	\$24,800,000	302		
2241080	В	SOUTHERN BLVD	CSX TRANS - PT MORRIS	С	0		1	s	8/8/2012	4.093	F	3,900	\$15,600,000			
2242029	В	SOUTHERN BLVD	EAST FORDHAM ROAD		0		2	s	1/18/2012	4.605	F	12,900	\$51,600,000			
2231630	Q	SPRINGFIELD BLVD	BSOP		A		2	s	5/10/2012	4.591	F	8,500	\$34,000,000			
2268770	Q	SPRINGFIELD BLVD	EQUES. PATH (ABAND.)		0		1	s	6/3/2011	4.667	F	1,470	\$5,880,000			
2243180	к	ST JOHNS PLACE	FRANKLIN SHUTTLE	т	0		1	s	8/24/2011	6.781	VG	2,300	\$9,200,000			
2243700	- "	ST PAULS PL PED BRDG	METRO NORTH RR HAR	м	O-PED		2	c	2/7/2012	4.884	F	600	\$2,400,000		 	\Box

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2241060	В	ST. MARYS & CONCORD	CSX TRANS - PT MORRIS	С	0		1	s	8/15/2012	5.370	G	4,500	\$18,000,000	201		
2230610	Q	STEINWAY ST	278I EB (BQE)		Α		1	s	9/13/2012	6.349	VG	5,146	\$20,584,000	401		
2230600	Q	STEINWAY ST	278I WB (BQE)		Α		1	s	9/12/2012	6.349	VG	5,229	\$20,916,000	401		
2243170	к	STERLING PLACE	FRANKLIN SHUTTLE	Т	0		1	s	8/24/2011	6.500	VG	2,300	\$9,200,000	308		
223201B	М	STH ST RMP TO FDR S.B.	SOUTH ST		AR		10	s	2/17/2012	3.791	F	13,388	\$53,552,000	101		
2240540	к	STILLWELL AVE	CONEY ISLAND CRK		wo		2	s	5/27/2011	6.292	VG	17,000	\$68,000,000	313		
2230350	к	SUMMIT ST PED BRDG	278I (B.Q.E.)		A-PED		2	s	3/19/2012	4.614	F	1,400	\$5,600,000	306		
2231650	Q	SUNRISE HWY W.B.	BLP E.B.		A		1	s	4/2/2012	4.393	F	4,100	\$16,400,000	413		
2231660	Q	SUNRISE HWY W.B.	BLP W.B.		A		2	s	3/6/2012	4.565	F	5,350	\$21,400,000	413		
2231800	Q	SUPERIOR ROAD	BCIP		A		2	s	4/12/2012	4.659	F	7,000	\$28,000,000	413		
2243890	к	SUTTER AVE	LIRR BAY RIDGE	N	0		3	s	9/25/2012	6.542	VG	5,497	\$21,988,000	316		
2241040	В	THIRD AVE	CSX TRANS - PT MORRIS	С	0		1	s	7/25/2012	4.563	F	2,700	\$10,800,000	201	203	
2240310	к	THIRD AVE	GOWANUS CANAL		wo		1	s	5/18/2011	6.900	VG	3,200	\$12,800,000	306		
2240069	ВМ	THIRD AVE BRIDGE	HARLEM RIVER		WMO		14	s	9/20/2012	5.845	G	100,232	\$400,928,000	111	201	
2240250	к	THIRD ST	GOWANUS CANAL		WMO		5	s	5/19/2011	4.903	F	4,900	\$19,600,000	306		
2247300	Q	THOMPSON AVE	AMTRAK & LIRR YARD	AL	0		14	s	12/6/2012	5.042	G	61,280	\$245,120,000	402		
2241170	В	TIFFANY ST	AMTRAK - CSX	AC	О		1	s	11/1/2011	5.627	G	7,267	\$29,068,000	202		
224004H	Q	TO 21ST ST FROM NY	22ND ST		OE		43	s	12/18/2012	4.437	F	48,100	\$192,400,000	402		
224001B	м	TO BKLN FRM FDR	FRANKFORT & PEARL ST		OE		31	s	8/20/2012	4.333	F	51,400	\$205,600,000	101	103	
224005B	В	TO BRUCKNER BLVD	RELIEF		OR		5	s	10/24/2011	6.746	VG	12,100	\$48,400,000	201		
224004A	м	TO E 60TH ST FROM QNS	FIRST AVE		OE		13	s	4/20/2012	5.338	G	14,800	\$59,200,000	108		
224004C	М	TO E 62ND ST FROM QNS	E 60TH - E 61ST ST		OE		10	S	8/30/2012	4.985	F	16,720	\$66,880,000	108		
224001D	м	TO FDR DR N.B.	PEARL STREET		OE		30	s	7/15/2011	4.868	F	49,600	\$198,400,000	101	103	
2245480	м	TO GWB OPP W 171ST ST	RIVERSIDE DRIVE		0		1	s	2/8/2012	4.524	F	10,773	\$43,092,000	112		
224007A	М	TO MADISON AVENUE	E 138TH ST		OR		7	S	2/9/2012	5.028	G	19,880	\$79,520,000	111		
224004E	Q	TO NY FR THOMSON AVE	JACKSON AVE	L	OE		94	S	12/12/2012	4.604	F	104,600	\$418,400,000	402		
224004G	Q	TO NY FROM 11TH ST	TERRAIN (CHAMBER)		OE		36	s	8/14/2012	5.268	G	8,360	\$33,440,000	401	402	
224004F	Q	TO NY FROM 21ST ST	21ST ST		OE		63	s	12/19/2012	4.712	F	63,310	\$253,240,000	402	401	
224001G	М	TO PARK ROW	ROSE ST		OE		11	S	3/27/2012	4.408	F	16,551	\$66,204,000	101		
224001E	м	TO PEARL ST	LAND ADJ TO BRDG		OE		3	s	6/28/2011	5.141	G	5,300	\$21,200,000	101		
224004B	м	TO QNS FRM E 59TH ST	FIRST AVE		OE		13	s	4/20/2012	5.653	G	14,800	\$59,200,000	108		
224004D	М	TO QNS FROM E 58TH ST	E 59TH ST		OE		12	s	6/28/2012	4.245	F	10,858	\$43,432,000	106	108	
2240041	Q	TO THOMSON AVE FROM NY	JACKSON AVE	L	OE	_	39	s	12/18/2012	4.951	F	59,100	\$236,400,000	402		
2249040	R	TOMPKINS AVE	B&O RR (ABANDONED)		0		1	s	5/9/2012	5.953	G	5,096	\$20,384,000	501		
2249840	R	TOMPKINS AVE	GREENFIELD AVE		0		1	s	3/2/2012	5.021	G	2,690	\$10,760,000	501		
2249510	R	TOMPKINS AVE	WILLOW AVE, SIRT	s	0		2	s	10/24/2012	5.358	G	5,378	\$21,512,000	501		
2249230	R	TRACY AVE PED BRDG	SIRT SOUTH SHORE	s	O-PED		9	С	7/19/2012	3.553	F	635	\$2,540,000	503		
2245380	м	TRANSVERSE RD #1 WB	PED PATH OPP E 66TH ST		0	Р	1	s	1/6/2012	5.000	G	1,500	\$6,000,000	164		
2249870	R	TRAVIS AVE	MAIN CREEK		wo		1	s	9/26/2011	5.483	G	1,700	\$6,800,000	502		
2246410	м	TRNSVRS RD 1 EB (DENESMOUTH ARCH)	PED PATH OPP E 65TH ST		0	P	1	s	1/30/2012	4.636	F	1,739	\$6,956,000	164		\neg

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	2 CD3
2246560	М	TUDOR CITY PLACE	E 42ND ST		0		1	s	1/25/2012	5.133	G	6,600	\$26,400,000	106	╄	-
2249170	R	UNION AVE	B&O RR (ABANDONED)	0	0		4	s	4/29/2011	5.167	G	6,500	\$26,000,000	501	╄	-
2230360	к	UNION ST	278I (B.Q.E.)		A		2	s	3/19/2012	4.375	F	5,000	\$20,000,000	306	╄	
2243200	K	UNION ST	FRANKLIN SHUTTLE	Т	0		2	s	9/5/2012	5.000	G	4,100	\$16,400,000	309	╄	\perp
2240270	к	UNION ST	GOWANUS CANAL		WMO		5	s	8/10/2012	4.000	F	4,900	\$19,600,000	306	╄	
2247040	Q	UNION ST	LIRR PORT WASH BR	L	0		1	s	9/12/2011	6.234	VG	3,313	\$13,252,000	407	L	
2231850	Q	UNION TPKE	BCIP		Α		2	s	3/28/2012	4.409	F	13,600	\$54,400,000	413	Ļ	
2248129	Q	UNION TPKE	CREEDMOORE HOSP RD		0		1	s	6/24/2011	4.867	F	3,500	\$14,000,000	413	Ļ	
2230180	Q	UNION TPKE	JACKIE ROBINSON PKWY		Α		1	s	2/1/2012	5.672	G	5,359	\$21,436,000	482	L	
2241330	В	UNIONPORT ROAD	AMTRAK - CSX	AC	0		1	s	10/9/2012	4.781	F	7,631	\$30,524,000	211	L	
2231910	Q	UTOPIA PKWY	BCIP		Α		2	s	3/15/2012	5.114	G	7,200	\$28,800,000	407	L	
2229550	В	VAN CRTLDT EQUES	ннр		A-PED	P	2	С	8/8/2012	4.556	F	2,100	\$8,400,000	226		
2229540	В	VAN CRTLDT PARK	ннр		A-PED	P	2	С	8/8/2012	4.759	F	3,900	\$15,600,000	226		
2249130	R	VAN NAME AVE	B&O RR (ABANDONED)	О	0		3	s	7/3/2012	5.186	G	5,474	\$21,896,000	501	L	
2249140	R	VAN PELT AVE	B&O RR (ABANDONED)	О	0		3	s	4/28/2011	5.576	G	5,000	\$20,000,000	501		
226672A	М	w 31ST ST	AMTRAK LAYUP TRACKS	Α	0		9	s	12/28/2012	3.619	F	8,800	\$35,200,000	104		
224501B	М	W 33RD ST	AMTRAK 30 ST BRANCH	Α	0		8	s	3/13/2012	4.458	F	16,500	\$66,000,000	104		
224501C	М	W 33RD ST	LAND ADJ TO AMTRAK	Α	0		2	s	6/14/2011	4.472	F	2,360	\$9,440,000	104		
224501D	М	W 34TH ST	AMTRAK 30 ST BRANCH	Α	0		4	s	6/6/2011	4.597	F	11,800	\$47,200,000	104		
224501E	м	W 35TH ST	AMTRAK 30 ST BRANCH	Α	0		3	s	11/16/2012	4.181	F	6,500	\$26,000,000	104		
224501F	м	W 36TH ST	AMTRAK 30 ST BRANCH	Α	0		7	s	11/16/2012	3.985	F	16,400	\$65,600,000	104		
2245060	М	w 37TH ST	AMTRAK 30 ST BRANCH	Α	0		3	s	12/8/2011	6.190	VG	7,505	\$30,020,000	104		
2245070	м	W 38TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	6/15/2012	4.135	F	6,200	\$24,800,000	104		
2245080	М	w зэтн st	AMTRAK 30 ST BRANCH	Α	0		3	s	6/15/2012	4.173	F	6,300	\$25,200,000	104		
2245440	М	W 40TH ST	AMTRAK 30 ST BRANCH	Α	0		4	s	6/18/2012	4.162	F	9,400	\$37,600,000	104		
2245330	М	W 41ST ST	AMTRAK 30 ST BRANCH	А	0		3	s	6/12/2012	4.508	F	6,200	\$24,800,000	104		
2245210	М	W 42ND ST	AMTRAK 30 ST BRANCH	Α	0		4	s	7/2/2012	4.651	F	10,300	\$41,200,000	104		
2245090	м	W 43RD ST	AMTRAK 30 ST BRANCH	Α	0		2	s	4/16/2012	4.662	F	4,140	\$16,560,000	104		
2245100	М	W 44TH ST	AMTRAK 30 ST BRANCH	А	0		2	s	4/16/2012	4.662	F	4,300	\$17,200,000	104		
2245110	М	W 45TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	4/16/2012	5.397	G	4,100	\$16,400,000	104		
2245120	М	W 46TH ST	AMTRAK 30 ST BRANCH	А	0		2	s	5/4/2012	4.500	F	4,100	\$16,400,000	104		
2245130	М	W 47TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	5/4/2012	4.721	F	4,100	\$16,400,000	104	\Box	
2245140	М	W 48TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	5/7/2012	4.618	F	4,100	\$16,400,000	104		
2245150	м	W 49TH ST	AMTRAK 30 ST BRANCH	Α	0		3	s	5/7/2012	4.426	F	4,100	\$16,400,000	104		
2245340	М	W 50TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	5/11/2012	4.471	F	4,100	\$16,400,000	104		
2245160	М	W 51ST ST	AMTRAK 30 ST BRANCH	А	0		2	s	5/11/2012	4.912	F	4,300	\$17,200,000	104		
2245170		W 52ND ST	AMTRAK 30 ST BRANCH	А	0		2	s	5/29/2012	5.265	G	4,300	\$17,200,000			
2245180		W 53RD ST	AMTRAK 30 ST BRANCH	А	0		2	s	5/29/2012	5.221	G	5,100	\$20,400,000			
2245350		w 54TH ST	AMTRAK 30 ST BRANCH	A	0		2	s	5/22/2012	5.476	G	4,700	\$18,800,000			
2245360		w 55TH ST	AMTRAK 30 ST BRANCH	A	0		2	s	5/22/2012	5.529	G	4,300	\$17,200,000			

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	Inspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CD	CD2	CD3
2245370	М	W 56TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	6/4/2012	5.706	G	4,400	\$17,600,000	104		
2245220	М	W 57TH ST	AMTRAK 30 ST BRANCH	Α	0		3	s	5/25/2012	4.853	F	9,100	\$36,400,000	104		
2245190	м	W 58TH ST	AMTRAK 30 ST BRANCH	Α	0		2	s	5/25/2012	4.765	F	4,100	\$16,400,000	104		
2246010	м	W 62 ST PED BRDG (PINEBANK ARCH)	BRIDLE PATH		O-PED	P	1	С	7/27/2012	4.262	F	1,000	\$4,000,000	164		
2245420	м	W 65TH ST ENTR EB	BRIDLE PATH W END		0	Р	1	s	1/17/2012	5.100	G	1,300	\$5,200,000	164		
2269210	М	W 68TH ST	AMTRAK	Α	0		3	s	12/12/2011	6.576	VG	5,382	\$21,528,000	107		
2269190	м	W 70TH ST	AMTRAK	Α	0		3	s	12/9/2011	5.597	G	17,258	\$69,032,000	107		
2246140	м	W 72 ST ENTR (RIFTSTONE ARCH)	BRIDLE PATH		0	Р	1	s	1/9/2012	4.600	F	3,600	\$14,400,000	164		
2229290	м	W 79 ST	AMTRAK	Α	Α		1	s	6/7/2012	4.492	F	4,500	\$18,000,000	107		
2246620	м	W 128TH ST PED BRDG	3RD AVE BRDG APPR		O-PED		18	С	8/11/2011	3.791	F	2,300	\$9,200,000	111		
2246670	м	W 134 ST	TERRAIN		0		4	s	7/13/2011	4.833	F	7,500	\$30,000,000	109		
2245230	м	W 148TH ST PED BRDG	AMTRAK 30 ST BRANCH	Α	O-PED	Р	3	С	4/17/2012	4.200	F	1,100	\$4,400,000	109		
2246710		W 153 ST	A.C. POWELL BLVD		0		1	s	2/1/2012	4.611	F	3,082	\$12,328,000	110		
2245290		W 155TH ST PED BRDG	AMTRAK 30 ST BRANCH	А	O-PED		3	С	1/27/2012	3.862	F	800	\$3,200,000			
2245250	м	W 158TH ST	AMTRAK 30 ST BRANCH	Α	0		7	s	12/7/2011	6.125	VG	29,170	\$116,680,000			
2245260		W 173RD ST PED BRDG	AMTRAK 30 ST BRANCH	Α	O-PED	Р	2	С	4/13/2012	4.533	F	1,500	\$6,000,000			
2246600	м	W 176TH ST PED BRDG	APPROACH TO G.W.B.		O-PED		1	С	3/30/2012	4.172	F	1,200	\$4,800,000			
2246489	м	W 181 ST	RAMP TO WASH BR		0		1	s	2/7/2012	5.333	G	8,200	\$32,800,000			
2229400	м	W 181ST ST PED BRDG	HHP N.B.		A-PED	Р	7	С	2/15/2012	4.477	F	1,500	\$6,000,000			
2241940	В	W 205TH ST	NYCTA IND YARDS	т	0	•	4	s	11/20/2012	5.514	G	32,508	\$130,032,000			
2240120		W 207TH/W FORDHAM RD	HARLEM RIVER	•	WMO		5	s	9/5/2012	5.056	G	31,784	\$127,136,000			
2240120		W 225TH ST	CSX TRASP - PUTNAM	С	O		2	s	6/9/2012	5.328	G	10.900	\$43,600,000			
2241490		W 230TH ST		U	0		1	s	4/8/2011	5.563	G	5.600	\$22,400,000			
2241490			CONRAIL (ABANDONED) PUTNAM		0		-		7/26/2012	4.745	F	4.723	\$22,400,000			
		W 231ST ST	CONRAIL (ABANDONED) PUTNAM				1	S				-,	, ,,,,			
2241510		W 233RD ST	CONRAIL (ABANDONED) PUTNAM		0		-	S	4/7/2011	5.275	G	3,760	\$15,040,000			
2241520		W 234TH ST	CONRAIL (ABANDONED) PUTNAM		0		1	S	4/7/2011	5.176	G	3,770	\$15,080,000		Н	
2231860	Q	W ALLEY ROAD	BCIP		A		2	S	7/20/2011	5.474	G	7,200	\$28,800,000		H	
2241470	В	W FORDHAM RD	METRO NORTH RR HUD	М	0		4	S	7/14/2011	5.694	G	16,052	\$64,208,000			
2241460	В	W TREMONT AVE	METRO NORTH RR HUD	М	0		8	S	6/7/2012	3.955	F	12,900	\$51,600,000			
2269260		W. 8TH ST PED BRDG	SURF AVE.		O-PED	P	39	С	3/22/2012	3.629	F	14,742	\$58,968,000			
2246430		W110 ST ENTR (MOUNTCLIFF ARCH)	PED PATH OPP W109 ST		0	Р	1	S	2/13/2012	4.383	F	1,200	\$4,800,000			
M00001		W191ST ST PED TNL	BROADWAY - IRT #1 SUBWAY		O-PED		1	С	12/10/2012	4.545	F	2,000	\$8,000,000			
2246460	М	W77 ST ENTR (EAGLEVALE ARCH)	PED PATH OPP W77 ST		0	P	2	S	1/10/2012	4.263	F	3,066	\$12,264,000			
2246340	М	W77 ST PED (LADIES POND BRDG)	STREAM TO THE LAKE		WO-PED	Р	3	С	12/3/2012	4.355	F	500	\$2,000,000	164	H	
2246320	М	W77 ST PED (OAK BRDG)	THE LAKE		WO-PED	Р	3	С	12/20/2011	6.684	VG	919	\$3,676,000	164	_	
2246380	М	W86 ST PED (SW RESERVOIR BRDG)	BRIDLE PATH		O-PED	P	1	С	11/30/2012	4.852	F	700	\$2,800,000	164	_	
2241070	В	WALES AVE	CSX TRANS - PT MORRIS	С	0		1	s	8/8/2012	6.467	VG	2,535	\$10,140,000	201	_	
2241410	В	WALTON AVE	METRO NORTH RR HUD	М	0		1	s	5/16/2012	4.953	F	3,600	\$14,400,000	204	\sqcup	Ш
2240620	М	WARDS ISLAND PED BRDG	HARLEM RIVER		WMO-PED		10	С	4/15/2011	4.097	F	12,600	\$50,400,000	111		
2243250	к	WASHINGTON AVE	FRANKLIN SHUTTLE	т	0		1	s	9/4/2012	6.000	G	3,657	\$14,628,000	309	355	

BIN	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL ROA D	BRIDGE TYPE	OTHER OWNER	SPAN S	RT NG SR C	nspection Date	Condition Rating	VR BL RT NG	DECK AREA	REPLACEMENT COST	CI) C	D2	CD3
2066919	вм	WASHINGTON BRIDGE	HARLEM RIVER	м	wo		9	s	11/29/2012	4.642	F	128,339	\$513,356,000	11:	2 2	205	204
2246330	м	WEST DR (BALCONY BRDG)	STREAM TO THE LAKE		wo	Р	1	s	1/16/2012	5.000	G	1,817	\$7,268,000	16	4		
2246080	м	WEST DR (DALEHEAD ARCH)	BRIDLE OPP W 64TH ST		0	Р	1	s	1/5/2012	4.667	F	2,000	\$8,000,000	16	4		
2246000	м	WEST DR (GREYSHOT ARCH)	PED BET 61ST & 62ST		0	Р	1	s	1/10/2012	5.400	G	2,500	\$10,000,000	16	4		
2244020	к	WEST DR (MEADOWPORT ARCH)	PED PATH NR GRND ARMY PLZ		0	Р	1	s	4/26/2011	5.321	G	2,500	\$10,000,000	35	5		
2246360	м	WEST DR (WINTERDALE ARCH)	PED PATH OPP W 82 ST		0	Р	1	s	1/17/2012	5.273	G	2,502	\$10,008,000	16	4		
2246120	м	WEST DRIVE	TRANSVERSE RD #1		0	Р	1	s	3/28/2012	4.967	F	7,900	\$31,600,000	16	4		
2246240	м	WEST DRIVE	TRANSVERSE RD #2		0	Р	1	s	3/22/2012	4.167	F	7,200	\$28,800,000	16	4		
2246260	м	WEST DRIVE	TRANSVERSE RD #3		0	Р	1	s	3/22/2012	4.933	F	5,100	\$20,400,000	16	4		
2246280	м	WEST DRIVE	TRANSVERSE RD #4		0	Р	1	s	3/26/2012	4.300	F	4,700	\$18,800,000	16	4		
2249710	R	WEST FOOTBRIDGE	CLOVE LAKE		WO-PED	Р	2	С	8/1/2011	4.086	F	900	\$3,600,000	50	1		
2244100	к	WEST FOOTBRIDGE	PROSPCT PK STREAM		WO-PED	Р	1	С	12/19/2011	4.875	F	3,200	\$12,800,000	35	5		
2267380	м	WEST STREET	RECTOR ST		AT		1	s	11/15/2011	5.033	G	25,760	\$103,040,000	10	1		
2241230	В	WESTCHESTER AVE	AMTRAK - CSX	AC	0		3	s	11/26/2012	5.944	О	15,600	\$62,400,000	20:	2 2	209	
2240180	В	WESTCHESTER AVE	BRONX RIVER		wo		1	s	9/16/2011	4.608	F	5,476	\$21,904,000	20:	2 2	209	
2241000	В	WESTCHESTER AVE	CSX TRANS - PT MORRIS	С	o		1	s	6/11/2012	4.660	F	1,740	\$6,960,000	20	1		
2075837	В	WESTCHESTER AVE	HUTCHINSON RVR PKWY		Α		2	s	2/1/2012	4.083	F	15,858	\$63,432,000	21	0 2	211	
2241329	В	WHITE PLAINS ROAD	AMTRAK - CSX	AC	0		1	s	10/9/2012	4.781	F	6,900	\$27,600,000	21	1		
2248020	Q	WHITELAW PED BRDG	CONDUIT AVE		O-PED		7	С	9/28/2012	4.775	F	5,500	\$22,000,000	41	0		
1065210	Q	WHITESTONE EXP NB	BCIP (2065210)		Α		1	s	7/24/2012	4.603	F	2,500	\$10,000,000	40	7		
2241369	В	WILLIAMSBRIDGE RD	AMTRAK - CSX	AC	О		2	s	8/27/2012	4.836	F	6,510	\$26,040,000	21	1		
2240039	KM	WILLIAMSBURG BRIDGE	EAST RIVER	т	WEO		53	s	10/27/2012	4.431	F	824,000	\$3,296,000,000	10:	3 3	301	
2240059	вм	WILLIS AVENUE	HARLEM RIVER		OMW		15	s	12/17/2012	6.833	VG	171,105	\$684,420,000	11	1 2	201	
2248019	Q	WOODHAVEN BLVD	ATLANTIC AVE		0		3	s	4/5/2012	4.236	F	19,400	\$77,600,000	40	9		
2248159	Q	WOODHAVEN BLVD	QUEENS BLVD		0		2	s	8/7/2012	4.275	F	11,500	\$46,000,000	40-	4		
2230540	Q	WOODSIDE AVE	278I (B.Q.E.)		A		1	s	2/3/2012	5.672	G	7,529	\$30,116,000	40	2		
2247400	Q	WOODSIDE AVE	CSX TRANSPORT	С	0		1	s	9/8/2011	5.033	G	8,200	\$32,800,000	40:	2 4	104	
2247120	Q	WOODSIDE AVE	LIRR MAIN LINE	L	0		3	s	10/16/2012	4.444	F	14,900	\$59,600,000	40	2		
787 OPEN BRII	DGES			OPEN	N SPANS 4,398					OPEN SF		14,533,529	\$ 57,470,064,000	AL	L		

R00004	R	DICKIE AVE	NEAR COLUMBUS PLACE		0	1	CITY
R00005	R	BIDWELL AVE	COLUMBUS PLACE		0	1	CITY
R00010	R	GALLOWAY AVE	MARIANNE ST		0	1	CITY
R00011	R	FOREST AVE	CRYSTAL AVE		0	1	CITY
R00013	R	NAUGHTON AVE	PATTERSON AVE		0	3	CITY
R00015	R	OLYMPIA BLVD	SLATER AVE		0	1	CITY
R00016	R	GRAHAM BLVD	JAY ST		0	2	CITY
R00021	R	HUNTER AVE	IDLEASE PLACE		0	1	CITY
R00022	R	IDLEASE PLACE	HUNTER AVE		0	1	CITY
R00023	R	MIDLAND AVE	HYLAN BLVD		Ö	1	CITY
R00024	R	LINCOLN AVE	SANILAC ST		Ö	1	CITY
R00025	R	GREELEY AVE	SANILAC ST		Ö	1	CITY
R00027	R	ELEANOR ST	ROCKLAND AVE		Ö	1	CITY
R00031	R	TARLTON ST	GREAT KILLS LANE		Ö	1	CITY
R00032	R	SEGUINE AVE	PURDY PLACE		Ö	1	CITY
R00034	R	ROCKLAND AVE	BRIELLE AVE		0	1	CITY
R00035	R	BRADLEY AVE	WILLOWBROOK ROAD		0	1	CITY
R00036	R	AMBOY ROAD	ARBUTUS AVE		0	1	CITY
R00038	R	MAGUIRE AVE	DEPEW PLACE		0	1	CITY
R00040	R	113 MAGUIRE AVE	DEPEW PLACE		0	1	CITY
R00040	R	93 FOSTER ROAD	AMBOY ROAD		0	1	CITY
R00041	R	LEDYARD PLACE	LACONIA AVE		0	1	CITY
R00042	R	RICHMOND TERRACE	SNUG HARBOUR		0	2	CITY
R00046	R	HARBOR ROAD	DUBLIN PLACE		0	1	CITY
		TRAVIS AVE			0	1	CITY
R00055 R00059	R R	WESTERN AVE	VICTORY BLVD RR BRIDGE		WO	1	CITY
R00060	R	SIGNS ROAD	VICTORY BLVD		0	1	CITY
		KISSEL AVE			_		
R00062	R		SNUG HARBOR ROAD		0	1	CITY
R00065	R	HENDERSON AVE	WESTBURY AVE		0	1	CITY
R00068	R	FOREST AVE	RANDALL AVE			1	CITY
R00069	R	GREGG PLACE	RANDALL AVE		0	1	CITY
R00076	R	ROOSEVELT AVE	HAROLD ST		0	1	CITY
R00077	R	BUCHANAN AVE	HAROLD ST		0	1	CITY
R00084	R	ARTHUR KILL ROAD	MULDOON AVE		0	1	CITY
R00085	R	ARTHUR KILL ROAD	150' N.W. ELLIS ROAD		0	1	CITY
R00086	R	ARTHUR KILL ROAD	ENGLEWOOD ST		0	1	CITY
R00095	R	MEISNER AVE	ROCKLAND AVE		0	1	CITY
R00096	R	ROCKLAND AVE	MANOR ROAD		0	1	CITY
R00097	R	RICHMOND HILL ROAD	RICHMOND ROAD		0	1	CITY
R00101	R	ST ANDREWS ROAD	LIGHTHOUSE AVE		0	1	CITY
R00103	R	AULTMAN AVE	ST GEORGE ROAD		0	2	CITY
R00105	R	ARTHUR KILL ROAD	CLARKE AVENUE		0	1	CITY
R00106	R	ARTHUR KILL ROAD	RICHMONDTOWN ROAD		0	1	CITY
R00114	R	SWEET BROOK ROAD	RIDGEWOOD ROAD		0	1	CITY
R00115	R	VICTORY BLVD	CLOVES LAKE PARK		0	3	CITY
R00122	R	ARTHUR KILL ROAD	RIDGEWOOD AVE	1	0	1	CITY
R00133	R	ARDEN AVE	HALPIN AVE	1	0	1	CITY
R00135	R	HYLAN BLVD	CORNELIA AVE	1	0	1	CITY
R00136	R	SNUG HARBOR ROAD	KISSEL AVE	1	0	1	CITY
R00137	R	RICHMOND TERRACE	WESTERN AVE	1	0	2	CITY
R00138	R	HOLLAND AVE	BENJAMIN PLACE	1	0	1	CITY
R00139	R	DE PEW PL	MAGUIRE AVE		0	1	CITY
R00141	R	ALTER AVE	STORM&GRND FED STREAM		0	1	CITY



R00013 Naughton Avenue over Patterson Avenue. R00015 Olympia Boulevard over Slater Avenue. R00032 Seguine Avenue over Purdy Place.

Revised 2/26/13

A glossary of the terms most commonly used in bridge design, construction and maintenance is presented below. Cross-references are indicated through the use of BLOCK LETTERING.

AASHTO (AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS)

A nonprofit, nonpartisan association representing highway and transportation departments in the fifty states, the District of Columbia, and Puerto Rico, representing all five transportation modes air — highways, public transportation, rail, and water.

ABUTMENT

Walls of reinforced concrete or masonry. Abutments support a bridge's SUPERSTRUCTURE and APPROACHES, as well as retain the embankments that are positioned at the extreme ends of a multi-span bridge.



Hamilton Avenue Bridge and Battery Place Underpass Abutments. City Island Bridge Beginning and Ending Abutment. (Credit: NYSDOT)

ADA (AMERICANS WITH DISABILITIES ACT)

The Americans with Disabilities Act gives civil rights protections to individuals with disabilities, similar to those rights provided to individuals on the basis of race, color, sex, national origin, age, and religion. It guarantees equal opportunity for individuals with disabilities in public accommodations, employment, transportation, state and local government services, and telecommunications.

ADMIXTURE

Material, other than water, AGGREGATE, and hydraulic cement, used as an ingredient of concrete, mortar, grout, or plaster and added to the batch immediately before or during mixing.

AGGREGATE

Inert material such as sand or stone that is mixed with cement, lime and water to produce grout or mortar.

ALIGNMENT

The relative horizontal and vertical positioning between the bridge and APPROACHES.

ANCHORAGE

A solid mass, usually comprised of concrete, that encases a grillage of heavy steel bars into which the ends of a SUSPENSION BRIDGE'S main CABLES are anchored. Anchorages are designed to resist the pull of the cables.



Inspecting the Exterior of the Manhattan Bridge Anchorage. (Credit: NYSDOT)

APPROACH

Roadway at each end of a bridge, beyond the ABUTMENT, providing access to the bridge.



Carroll Street Bridge Approach. (Credit: NYSDOT) Belt Parkway Bridge over 26th Avenue Approach. (Credit: Artemio Angeles)

ARTERIAL BRIDGE

Any bridge upon which an arterial highway runs as it crosses streets, water, railroads, etc.

AS-BUILT DRAWINGS

Drawings that are prepared from measurements taken on-site to accurately depict the actual sizes and location of elements of the construction project. The as-built drawings indicate variations from the construction documents that occurred during construction.

ASPHALT

Black bituminous surface material made from AGGREGATE and processed petroleum.



Hamilton Avenue Asphalt Plant Silo. (Credit: Sheena Diaz)

BACKFILL

Material used to refill an excavated area.

BASCULE BRIDGES

Bascule bridges are movable bridges, typically referred to as "draw bridges" which rotate the superstructure vertically. The movable leaf of the structure - known as a bascule - is counterbalanced by weights of such size that minimal power is required for operation - just enough to overcome inertia, frictional resistance, wind and snow loads. Such bridges are relatively speedy to operate and provide unlimited vertical clearance. Examples of bascule bridges currently under the jurisdiction of the New York City Department of Transportation include the *Unionport*, *Shore Road (Pelham)*, *Hamilton Avenue*, Third Street, Union Street, and *Greenpoint Avenue* Bridges.



Unionport Bridge. (Credit: NYSDOT) Hamilton Avenue Bridge. (Credit: NYSDOT) Union Street Bridge. Greenpoint Avenue Bridge. (Greenpoint Credit: Michele N. Vulcan) Shore Road Bridge in July 2011. (Credit: Sergey Parayev)

BASE COURSE

The layer of compacted ASPHALT directly under the WEARING SURFACE.

BEAM

A linear structural member designed to span from one support to another.

BEARINGS

Designed to transmit the load from the SUPERSTRUCTURE to the SUBSTRUCTURE. Divided into two types, expansion and fixed, bearings are needed to ensure that certain elements are not forced to take more load than that for which they were designed and that the bridge can move slightly under load and temperature changes as needed.



Truss Bearing on Manhattan Bridge. (Credit: NYSDOT)

BICYCLE LANE

A portion of the roadway that has been designated by striping, signing, and pavement markings for the preferential or exclusive use of bicycles. (New York State Vehicle and Traffic Law, Title 1, Article 1, §102–a)

BICYCLE PATH

A path physically separated from motorized vehicle traffic by an open space or barrier and either within the highway right–of–way or within an independent right–of–way and which is intended for the use of bicycles. (New York State Vehicle and Traffic Law, Title 1, Article 1, § 102–b)



Brooklyn Bridge and Williamsburg Bridge Bicycle/Pedestrian Paths in 2010. (Williamsburg Credit: Russell Holcomb)

BID

A contractor's formal proposal, including prices, to perform the work set out in the project SPECIFICATIONS.

BMP (BEST MANAGEMENT PRACTICES)

Schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage, or leaks, sludge or waste disposal, or drainage from raw material storage.

BORING

A soil exploration technique of drilling into the ground at various locations in an attempt to construct an accurate subsurface profile.



Conducting Soil Borings in 2008 as Part of the Seismic Retrofit Design of the Manhattan Bridge. Drilling to a Depth of Approximately 210 Feet to Obtain an 8-foot Long Hard Rock Sample. A 2 1/2 –Foot Long Hard Rock Sample Taken From a Depth of Between 202 and 204 ½ Feet.

BOX BEAM

A hollow structural beam with a square, rectangular, or trapezoidal cross-section.

BRIDGE

A structure connecting two points, greater than 20 feet in distance, which carries vehicular and/or pedestrian traffic over water, a descending slope, or another road.

BULKHEAD

A RETAINING WALL-like structure commonly composed of driven piles supporting a wall or a barrier of wooden timbers or reinforced concrete members.

CABLE

A steel rope, composed of parallel or twisted wires, used to support the road deck of SUSPENSION BRIDGES or CABLE STAYED BRIDGES.



Inspector on Manhattan Bridge Cable. (Credit: NYSDOT)

CABLE STAYED BRIDGES

Bridges in which the superstructure is directly supported by cables, or stays, passing over or attached to towers located at the main piers.



East 64th Street Pedestrian Bridge over FDR Drive.

CAISSON

A rectangular or cylindrical chamber for keeping water or soft ground from flowing into an excavation.

CAMELBACK TRUSS

A TRUSS having a curved top chord and straight bottom chord meeting at each end. There is a camelback truss on the Macombs Dam Bridge.



Macombs Dam Camelback Truss.

CANTILEVER BRIDGES

A cantilever is a BEAM that is supported only on one end. In a cantilever bridge, the tree branch-like beams project toward each other, forming a span of the bridge when connected in the center. Bridges of this type are economical to build because they require less material in construction and less condemnation of property is necessary for the narrow piers which are sufficient for support. Typically, no falsework is required during construction and the bridge does not exceed 1,800 feet in length. NYCDOT's *Ed Koch Queensboro Bridge* is a notable example of this type of structure.



Ed Koch Queensboro Bridge. (Credit: Russell Holcomb)

CAST-IN-PLACE

Concrete that is poured and cured in its final position at the project site.

CATCH BASIN

A receptacle, commonly box shaped and fitted with a grilled inlet and a pipe outlet drain, designed to collect the rain water and floating debris from the roadway surface and retain the solid material so that it may be periodically removed.

CATWALK

A narrow walkway for access to some part of a structure.



Ed Koch Queensboro Bridge Lower Level Flooring System Catwalk under Lower Level Queens Approach. Manhattan Bridge Brooklyn Tower Catwalk. (Credit: NYSDOT)

CHANGE ORDER

An approved modification of the SPECIFICATIONS or the costs in a construction contract.

CHIPPING HAMMER

A welder's compressed-air tool for cleaning steel after welding. It is also used by bridge inspectors.

CLADDING

Non-load-bearing stone or brick veneer used as the facing material in exterior bridge wall construction.



East Approach Cladding on the East 174th Street Bridge. Abutment Wingwall Cladding on the West 173rd Street Bridge. Hutchinson River Parkway Bridge.

CLEARANCE

The unobstructed vertical and horizontal space provided between two objects.



United Nations – 1st Avenue Tunnel Vertical Clearance Posting. (Credit: NYSDOT) Measuring Vertical Clearance at the 129th Street Pedestrian Bridge in April 2012. (Credit: Artemio Angeles) Retro-reflective Material Improves Visibility of These Low Vertical Clearance Bridges: East 60th Street Bridge Over FDR Drive and Westchester Avenue Bridge over Hutchinson River Parkway.

COFFERDAM

A temporary dam-like structure constructed around an excavation to exclude water.



April 2010: Cofferdam With Filter Fabric and Gravel Placed Prior to Pile Driving During the Emergency Repair Project on the Borden Avenue Bridge over Dutch Kills.

COLONNADE

A series of regularly spaced columns.



Manhattan Bridge Colonnade. (Credit: Peter Basich)

COMPRESSION

The stress resulting from a pushing force on a structure.

CONDITION RATING

A judgment of a structure's condition in comparison to its original as-built condition.

COPING

The material forming the top layer of a masonry unit which protects the MASONRY below from penetrating water.

CORE

A cylindrical sample of concrete removed from a bridge component for the purpose of destructive testing.



Removing a Core From 252nd Street Bridge over Henry Hudson Parkway in January 2009. (Credit: Masroor Mahmood)

CORROSION

The general disintegration of surface metal through oxidation.

COUNTERWEIGHT

A weight which is used to balance the weight of a movable member; in bridge applications counterweights are used to balance a movable span so that it rotates or lifts with minimum resistance.

CRITICAL PATH

The set of activities that must be completed on time for the contract completion date to be met. Activities on the critical path have no slack time.

CULVERT

Any structure under the roadway with a clear opening of twenty feet or less, measured along the center of the roadway.



Idlease Place Culvert. Sweet Brook Road Culvert.

CURING

Process of maintaining freshly placed concrete mortar, grout, or plaster moist and at a favorable temperature for a suitable period of time during its early stages so that the desired properties of the material can develop. Curing assures satisfactory hydration and hardening of the cementitious materials.

DEAD LOAD

The weight of the bridge itself without any traffic or external loads.

DECK

The supporting slab and wearing surface of a bridge.



Hamilton Avenue Bridge, and West 8th Street and Chambers Street Pedestrian Bridge Decks. (Hamilton Credit: NYSDOT)

DELAMINATION

The subsurface separation of concrete into layers.

DESIGN-BUILD CONTRACTS

A delivery procedure where one company is retained to perform both design and construction, thus expediting the capital bridge rehabilitation program.

DOLPHIN

A group of PILES driven close together and placed to protect portions of a bridge or other structure exposed to possible damage by collision with marine traffic.



Greenpoint Avenue Dolphin & Fender System. (Credit: Peter Basich) Hunters Point Avenue Dolphins. (Credit: Michele N. Vulcan)

DRAINAGE SYSTEM

A collection of surface and/or subsurface drains and pumps that are used to remove surface or ground water.

EFFLORESCENCE

White salts that water movement brings to the surface of porous construction materials.



Moderate Efflorescence on the Brooklyn Bridge Brooklyn Tower North Gothic Arch in 2004. (Credit: NYSDOT)
Efflorescence on the Underside of the Masonry Stones on the End Abutment of the Margaret Corbin Drive Bridge over Pedestrian Path Near Café.

ELECTRICAL MAINTENANCE

Preventive maintenance to electrical systems on the East River bridges (e.g., travelers, lighting systems) and the movable bridges (e.g., contacts, relays, switches, controls, limit switches, and lighting systems).

EXPANSION JOINTS

Located throughout a bridge, expansion joints are located in the deck, directly above the BEARINGS. Expansion joints allow parts of the structure to expand independently and therefore relieve stresses that may otherwise cause damage.

EYEBARS

Steel bars with each end shaped like the eyes of giant needles. They provide total anchorage of the suspension cable and are buried deep within the ANCHORAGE structure.

FACE

The outer, exposed surface of a MASONRY unit.

FATIGUE

Cause of structural deficiencies (such as metal fracture) due to repetitive (or cyclic) loading over time.

FENDER

A structure that acts as a buffer to protect the portions of a bridge exposed to floating debris and water-borne traffic from collision damage.



Rikers Island Dolphin & Fender System. (Credit: NYSDOT)

FINGER DAM

EXPANSION JOINT in which the opening is spanned by meshing steel fingers or teeth.



Manhattan Bridge Finger Dam. (Credit: Jagtar Khinda)

FIRE HAZARD

Accumulation of debris, where the debris is of sufficient quantity, in a location where, if it caught fire, it would compromise the structural integrity of the bridge.

FIXED PRICE CONTRACT

A contract with an overall predetermined price for the project work.

FLAG CONDITIONS

A "Flag" is a hazardous or potentially hazardous condition on a bridge. A "Flag" is classified as either Red, Yellow, or Safety. A "Red Flag" requires prompt evaluation and, possibly, corrective action. A "Yellow Flag" is used to report a potentially hazardous structural condition, which if left unresolved will most likely become a danger to the soundness of the bridge and a hazard to the public. In the case of a "Safety Flag," there is no danger of partial or complete structural failure of the bridge; however, if left unattended, those conditions can present a vehicular or pedestrian hazard.

FLOORBEAMS

Horizontal members placed crosswise to the bridge's major BEAMS, girders, or TRUSSES to support the deck.



South Transit Floorbeams, Stringers, and Bracing Members on the Manhattan Bridge. Ed Koch Queensboro Bridge North Outer Roadway Floorbeam. (Credit: NYSDOT)

FOOTINGS

Part of the substructure known as the bridge foundation, they are masses of reinforced concrete which can be found beneath the ABUTMENTS and PIER and which spread the load to allow the soil to support the structure above.

FORMS

The temporary molds that hold concrete in place while it is hardening; also known as form work.

FULL STEEL PAINTING

A bridge painting technique that involves cleaning of steel surfaces using approved environmentally safe paint removal techniques (blasting, power tools, or hand tools). A full primer, intermediate and finish coat are applied using combinations of brush, roller, or (if necessary) spray painting.

FUNCTIONALLY OBSOLETE

A status used to describe a bridge that, because of its geometry, is no longer functionally adequate for its task. Reasons for this status include that the bridge doesn't have enough lanes to accommodate the traffic

flow, it may be a drawbridge on a congested highway, or it may not have space for emergency shoulders. "Functionally Obsolete" does not communicate anything of a structural nature. A functionally obsolete bridge may be perfectly safe and structurally sound, but may be the source of traffic jams or may not have a high enough CLEARANCE to allow an oversized vehicle.

GENERAL CONTRACTOR

has overall responsibility for a construction project. The general contractor may break down the project into smaller pieces to be handled by subcontractors.

GEOMETRIC IMPROVEMENT

Roadway improvements other than a surface treatment, such as shoulder and lane widening, curb and gutter, or roadway alignment.

GIRDER SPAN BRIDGES

are primarily employed in bridging short distances, and may be classified as either simple or continuous. The steel girders carry the roadway and roadway load to end supports. The Midtown Highway, **Hook Creek**, Little Neck and **Brooklyn Third Avenue Bridge**s are of this type.



Hook Creek Bridge and Brooklyn's Third Avenue Bridge. (Credit: NYSDOT)

GRADE

The degree of inclination of the ground surface.

GRID FLOORING

A steel floor system comprising a lattice pattern which may or may not be filled with concrete.



Installation of Full Width Grid Deck Panels on the Manhattan Bridge Lower Roadway in 2006. Pouring the Concrete.

GRIZZLY

A coarse screen used to remove oversize pieces from ASPHALT or earth.



New Grizzly Under Fabrication for the Agency Hamilton Asphalt Plant. (Credit: Russell Holcomb)

GUTTER

A paved drain commonly constructed in conjunction with the curbs of the roadway.

JACKING

The mechanical lifting or sliding of an element.



Ed Koch Queensboro Bridge Bent Column Ready for Jacking in 2005.

JERSEY BARRIER

A low, gradually narrowing, reinforced concrete wall used as a highway divider and as a means of preventing a vehicle from crossing a median or leaving the roadway. These barriers were first used on the New Jersey Turnpike.

LIVE LOAD

The weight of the traffic crossing a bridge and of other external loads applied to the structure (excluding the weight of the bridge itself.)

LOAD RATING

A value that indicates the LIVE LOAD capacity of a bridge.

LUBRICATION MAINTENANCE

Lubrication of mechanical parts of the East River bridges (e.g., travelers, cables, solid rod suspenders, and EYEBARS), and the movable bridges (e.g., bearings, brakes, limit switches, and gates).

MAINTENANCE AND PROTECTION OF TRAFFIC

The control plan for traffic around and through a construction site.

MARINE BORERS

Mollusks and crustaceans which live in water and destroy wood by digesting it.

MASONRY

Construction materials made of concrete, brick, tile, or stone.





Cleaning the Masonry of the North Face of the Manhattan Bridge's Brooklyn Anchorage and of the North and East Faces of the Roosevelt Island Pier of the Ed Koch Queensboro Bridge.

Masonry of the East Drive Bridge Over Eastwood Arch.

MORTAR

Mixture of cementitious materials, fine AGGREGATE, and water, which may contain ADMIXTURES, and is usually used to bond MASONRY units.

MOVABLE BRIDGE

A type of bridge which carries vehicular or pedestrian traffic over a navigable waterway, and which opens to permit the passage of a ship, barge or boat. The 25 movable bridges currently under the jurisdiction of the New York City Department of Transportation include the Harlem River group (Broadway, West 207^{th/}/West Fordham Road, Macombs Dam, 145th Street, Madison Avenue, Third Avenue, Willis Avenue, and *Wards Island*); the Bronx group (Bruckner Expressway/Bronx River, Hutchinson River Parkway, *Shore Road*, and Bruckner Expressway/Westchester Creek); the Queens group (Borden Avenue, Grand Street, Greenpoint Avenue, Hunterspoint Avenue, *Pulaski Avenue*, and *Roosevelt Island*); and the Brooklyn group (Hamilton Avenue, Ninth Street, Third Street, Carroll Street, Union Street, Metropolitan Avenue, and Mill Basin.)



Roosevelt Island Bridge in 2010. Shore Road Bridge in 2009. (Shore Road Credit: George Kern) Wards Island Pedestrian Bridge in 2009. (Credit: Duane Bailey-Castro) Pulaski Bridge in 2010. (Credit: Sergey Parayev)

MOVING LOAD

A LIVE LOAD that is moving, for example, vehicular traffic.

NECKLACE LIGHTS

The necklace lights are those lights on the main cables of suspension bridges which, when illuminated at night, resemble a necklace.



Repairing a Manhattan Bridge Necklace Light. Bridge Repairer and Riveter Neil Dalton Installing a New Light on the Williamsburg Bridge in 2012. (Credit: Hany Soliman)

NONDESTRUCTIVE TESTING

A method of checking the structural quality of materials that does not damage them.

NOTICE TO PROCEED

The formal document authorizing the contractor to commence work under its contract.

OPERATOR'S HOUSE

The building containing the power plant and operating machinery and devices required for the operator's (bridge tender's) work in executing the complete cycle of opening and closing a MOVABLE BRIDGE span.



Metropolitan Avenue Bridge over English Kills Operator House.

PANEL POINT

The point at which two members of a TRUSS cross.

PARAPET

A low wall along the outmost edge of the roadway of a bridge to protect vehicles and pedestrians.

PEDESTRIAN BRIDGES

Bridges designed and constructed to provide means of crossing for pedestrian traffic only.



Morris Street, West 8th Street, PS-5, Carroll Street over Franklin Shuttle, and Chambers Street Pedestrian Bridges.

PIER

Part of a bridge's substructure, piers are the intermediate supports or columns which support a multi-span bridge. Piers may be composed of steel or reinforced concrete, and can appear as columns or solid walls.



Pier 1 of Hamilton Avenue Bridge. Pier 17 of Rikers Island Bridge. Pier 1 of Hunters Point Avenue Bridge. Ed Koch Queensboro Bridge Pier. Pier 35 of Macombs Dam Bridge. (Credit: NYSDOT)

PILES

A concrete, steel or timber column located beneath the FOOTINGS of a bridge and embedded in the soil. Piles are employed in bridges only if the soil directly below the footing is not firm enough to support the bridge loads.

PLAZA

An area designated for use by pedestrians, which may vary in size and shape; which may abut a sidewalk and is located fully within the bed of a roadway; may be at the same level as the roadway or raised above the level of the roadway; may be physically separated from the roadway by curbing, bollards, or other separators; may be treated with special markings and materials; and may contain benches, tables, or other facilities for pedestrian use.



Manhattan Bridge Brooklyn Plaza. Evening View of the Plaza Looking Southeast With Benches, Lights, and Granite Pavers in Foreground. Aerial View of the Plaza. Looking South From the Pedestrian Entrance.

PLUMB BOB

A weight hanging on a string (plumb line), used by bridge inspectors to show the direction of the vertical distance.

POINTING

The compacting of the mortar in the outermost portion of a joint and the troweling of its exposed surface to secure water tightness or desired architectural effect.



Pointing Joints on the East Face of the Brooklyn Anchorage of the Manhattan Bridge.

PORTLAND CEMENT CONCRETE

The most common concrete used in construction. It was patented in England in 1820, and is so named because when hard, it resembles Portland stones from Dorset.

POSTED

An announcement or sign limiting dimension, speed, or loading, indicating that larger dimensions and higher speeds and loads cannot be safely taken by the bridge.



Roosevelt Island Bridge Vertical Clearance Restriction and Posted Weight Signs.
(Credit: NYSDOT)

POTHOLE

A hole in a roadway or pavement, usually caused by heavy vehicular traffic or weathering.

PRECAST CONCRETE

Concrete members that are cast and cured before being placed into their final positions on the construction site.

PREVENTIVE MAINTENANCE

Preventive maintenance involves cleaning, protecting, and performing minor repairs of bridge components to prevent deterioration from becoming so extensive that major REHABILITATION or RECONSTRUCTION is needed. Specified interval maintenance, such as cleaning DRAINAGE SYSTEMS and lubrication, are done on a scheduled basis. Other maintenance is carried out when inspectors point out the need for it, such as resealing an EXPANSION JOINT or replacing the wearing surface. Preventive maintenance tasks on the bridges include: the cleaning of drainage systems, gratings, and expansion joints; the washing of the deck area and salt splash zones; full-steel, salt splash, and spot painting; the patching of sidewalks; the maintenance of electrical devices; and the oiling of mechanical components.



Power Washing the Corrosive Deicing Solvents Within the Range of the Roadway Splash Zone on The Manhattan Bridge in October 2007. Particular Attention is Directed to Cleaning the Gusset Plate. (Credit: Albert Hong)
Performing Wear and Tear Resurfacing Work on the Roosevelt Avenue Bridges in April 2010: Assistant City Highway Repairer Victor Magagna, Supervisor Highway Repairer Joseph Palemine, Assistant City Highway Repairer Jonathan Adorno (Obscured), Assistant City Highway Repairer Anthony Montalbano, and Area Supervisor Highway Maintenance Edward Pedersen. Assistant City Highway Repairers Jonathan Adorno and Victor Magagna. (Credit: Joseph Flood)

PRIMER

The first layer of paint used to cover the unsealed surface. This is followed by at least one more coat of paint.

PUNCH LIST

A catalogue of minor items still outstanding at the end of a construction project.

QUALITY ASSURANCE

An independent evaluation of a service (i.e., an inspection) to establish that a pre-described level of quality has been met.

RAILING

A fence-like construction built at the outermost edge of the roadway or the sidewalk portion of a bridge to protect pedestrians and vehicles.



Manhattan Bridge Railing. (Credit: Russell Holcomb) Greywacke Arch Railing.

RAILROAD FORCE ACCOUNTS

Railroad force accounts are contracts between the Agency and railroads by which the railroads supply flag personnel so the Division can perform repair work on bridges that cross over railroad tracks.

REHABILITATION

Extending the useful life of a bridge by painting, repairing or replacing the DECK or selected elements of the SUBSTRUCTURE or SUPERSTRUCTURE. This type of work is performed primarily on those structures not classified as deficient, but which contain specific components that have low condition ratings.

RETAINING WALL

A structure designed to restrain and hold back a mass of earth.



Kappock Street Retaining Wall in Riverdale, Before and After Repairs. The Existing 300-Foot Long Parallel Concrete Roadway Retaining Walls on Both Sides of Kappock Street Were Deteriorated and Leaning, and Were Replaced with New Modular Retaining Walls in the Summer of 2009.

RETARDING AGENT

A chemical added to mortar to slow down the set.

RETRACTILE BRIDGES

Retractile bridges are movable bridges that are mounted on tracks that are positioned to one side of a navigational channel. To open, the bridge is withdrawn or "retracted" to shore. Although fascinating to observe and efficient to operate, retractile bridges are considered obsolete because of the expansive land areas that must be condemned in order to accommodate their tracks. The New York City Department of Transportation currently possesses two retractile bridges - the **Borden Avenue** and **Carroll Street** bridges, rare examples of the bridge builders' art.





Borden Avenue Bridge. (Credit: Peter Basich) Carroll Street Bridge. (1st Credit: NYSDOT, 2nd: Russell Holcomb)

RETROFIT

Upgrading parts of an existing structure to meet current standards.

RIGHT-OF-WAY

A general term denoting land, property, or interest therein, usually in a strip, acquired for or devoted to transportation purposes.

RIPRAP

Irregularly broken, random-sized pieces of rock used for a foundation or to prevent soil erosion.



Eroded Riprap Pier Protection at Pier 11 of Old Willis Avenue Bridge in 2008. (Credit: NYSDOT)

ROADWAY

The portion of the road intended for the use of vehicular traffic.

ROCKER BEARING

A bridge support that accommodates expansion and contraction of the superstructure through a rocking action.

SADDLE

A special curved casting atop a SUSPENSION BRIDGE tower into which the cables are placed to avoid sharp bends in directional changes of the cable.



Manhattan Bridge Saddle. (Credit: Jagtar Khinda)

SALT SPLASH ZONE PAINTING

A bridge painting process that involves preparation of the area to be painted by power wash, using clean water or steam. After power washing, hand and power tools are used in areas which have started to show deterioration from accumulated de-icing agents. Solvent cleaning is done in locations where oil and grease need to be removed from the steel surface. A spot PRIMER coat and finish coat are then applied by brush or roller. Occasionally, when there is no danger of overspray, spray painting may be performed.

SCOUR

The washing away of stream bed material around or underneath the bridge abutments or piers that is caused by water channel flow.



Scour on Pier 2 End Face of Mosholu Parkway Bridge Over Bronx River in 2008. (Credit: NYSDOT)

SCREED

A long section of metal or wood which is dragged across freshly placed concrete to both smooth the surface and consolidate the concrete.



Screed at East 8th Street Ramp in 2011.

SCUPPER

An opening in the floor portion of a bridge to provide means for rain or other water accumulated upon the roadway surface to drain through it into the space beneath the structure.



Scuppers on the Pulaski, Madison Avenue, and Brooklyn Bridges. (Credit: NYSDOT)

SFT

When the consistency of mortar changes from plastic to hard.

SHORING

Temporary bracing to support a structure.



2010: Shoring of Stringers at Ramp D East Abutment (Staten Island Ferry Ramps) for Steel Repair Work. Installation of Shoring Towers at the Shore Road Circle Bridge.

SHOTCRETE

MORTAR or small-AGGREGATE concrete that is conveyed by compressed air through a hose and applied at high velocity to a surface. Also known as gunite and sprayed concrete.

SOFFIT

The underside of a structural component, such as a beam or arch.

SOUNDING

A method of checking for voids or DELAMINATIONS in concrete by striking a hammer against the structure and listening for a hollow sound.

SPALLING

The flaking or breaking out of concrete parallel to the main surface, caused by a blow, or by the action of weather or pressure.



Spalled Section of Curb on the East 8th Street Bridge in 2006. (Credit: NYSDOT) Spalling With Exposed Rebar on the Beginning Abutment Joint Header of the Westchester Avenue Bridge over the Bronx River in 2011.

SPAN

The distance between consecutive supports of a bridge.

SPECIFICATIONS OR SPECS

A detailed listing of required construction materials and methods to be used in the project. This information is a supplement to the blue prints and working drawings.

SPLAY CASTING

A steel or cast-iron collar fitted around a bridge suspension CABLE at the location where it spreads out (splays) into separate bundles of wires which are then attached to the ANCHORAGE EYEBARS. It is used to control the degree and location of the splay. These castings are usually located at the entry point of the cable into the anchorage chamber.

SPOT PAINTING

When the surface to be painted is contaminated with de-icing salts, sea salt, bird excrement, or other corrosive agents, the area is prepared by power washing, using clean water or steam. When grease or oil is present, it is removed by solvents. Mechanical cleaning with hand and/or power tools is performed in the areas containing deteriorated paint. A spot PRIMER coat and a single finish coat are applied by brush or roller. Occasionally, when there is no danger of overspray, spray painting may be performed.

STAGED CONSTRUCTION

Construction done so that traffic may be maintained on a portion of an existing bridge structure while a longitudinal section of a new structure is constructed. Traffic is then shifted over to that portion of the new structure while the existing structure is removed and the new structure is completed.

STEEL ARCH BRIDGES

Steel arch bridges consist of either a single arch or a series of arches fashioned from steel or concrete. Aesthetically one of the more attractive bridge types. Arch structures can prove economical to construct if the bridge spans between high ABUTMENTS. At present, there is only one bridge of this kind in steel under the guardianship of the NYCDOT; the twin-arched *Washington Bridge*, positioned over the Harlem River at 181st Street. This bridge opened to traffic in December 1888 and, with its approaches, is 2,375 feet long.



Washington Bridge. (Credit: NYSDOT) Washington Bridge in 2008. (Credit: Duane Bailey-Castro)

STEM

The vertical part of a retaining wall, usually made of concrete or masonry.



East Face of Brooklyn Bridge North Stem Wall. (Credit: NYSDOT) West 176th Street Pedestrian Bridge Beginning Abutment Stem Wall.

STOPPING SIGHT DISTANCE

The distance required for a vehicle to stop before hitting a stationary object in its path. It is equal to the distance required for the driver to react and apply the brakes plus the distance required for the vehicle to stop once the brakes are applied.

STRAIN GAUGE TESTING

Small strips of material (imagine a small band-aid) are glued onto part of a structure to measure the stress in the material under load. Inside the small "band-aid" are tiny electrical wires. When a structure is under load it stretches (tension) or contracts (compression). When this happens, the resistance in the tiny wires in the strain gauge changes, resulting in a change in the wire's current. What is actually being measured are changes in the electrical current in the tiny wires. Knowing the physical properties of the structural member that the gauge is attached to, (such as steel), a calculation is can then be made to convert these changes in current to changes in stress. The readings are taken with special instruments that record the information over the desired period of time or loading sequences.



June 2012 - Metropolitan Avenue Bridge. Summer College Intern Nikita Gupta Unsealing the Wire for Strain Gauge Testing. July 2012 – Unionport Bridge. Summer College Intern Kevin Hillery Setting up Inclinometer Calibration. August 2012 – Hunters Point Avenue Bridge. Kevin Hillery Checking Strain Gauge Connections With a Millimeter. (Credit: Vera Ovetskaya)

STRAND

Comprised of hundreds of thin wires laid parallel to form a bundle, strands comprise the base element in the CABLES, or main cables, on a SUSPENSION BRIDGE or cable stayed bridge.

STRINGER

A part of a bridge's SUPERSTRUCTURE, a stringer is essentially a BEAM parallel to the span used to support the road DECK.



Stringers on the Manhattan Bridge. (Credit: NYSDOT) Bridge Repairer and Riveter Joseph Antony Repairing a Red-Flagged Stringer on the Bridge. (Credit: Hany Soliman)

STRUCTURAL DEFICIENCY

An engineering term-of-art used by the Federal government to indicate that there are elements of the bridge that need to be monitored and/or repaired. It covers a wide range of conditions and does not reflect the fundamental integrity of a structure. Any city bridge deemed unsafe would be shut to the public.

STRUCTURAL HEALTH MONITORING

The continuous or regular monitoring of the condition of a structure or system using built-in or autonomous sensory systems, and any resultant intervention to preserve structural integrity.

Borescope Investigations: The borescope is a high-tech device combining fiber-optic technology with digitized computer memory. It allows scanning and photographing of otherwise inaccessible locations.

Corrosion Sensors: Corrosion sensors were developed for the first time under a FHWA contract specifically for New York City's suspension bridges.

Fiber Optic Sensors: Fiber optic sensors can measure very small displacements as well as strain gauges, but are more resilient and insensitive to temperature changes. The information is readily transmitted online and lends itself to real-time monitoring.

Ground Penetrating Radar. Ground penetrating radar uses the propagation and retraction of high frequency waves through materials such as concrete to detect the presence of voids.



Director of Bridge Management Kevin McAnulty Inspecting the Bridge Carrying the Belt Parkway over Ocean Parkway, Utilizing the Unit's Borescope. Experimental Corrosion Sensors Installed for a Test on Cable D of the Manhattan Bridge in 2011 (Left Corner). A Fiber Optic Sensor Monitoring a Crack in the Masonry of the Brooklyn Bridge's Manhattan Approach. A Ground Penetrating Radar Inspection of the Belt Parkway Bridge over Ocean Parkway. (Credit: Bojidar Yanev)

SUBSTRUCTURE

The name given to those elements below a bridge's road deck system, namely the ABUTMENTS, ANCHORAGES, BEARINGS, and PIERS.

SUPERSTRUCTURE

The superstructure is all that part of a structure above the bearings of simple and continuous spans, skewbacks of arches and top of footings of rigid frames; excluding backwalls, WINGWALLS and wing protection railings.

SUSPENDER

A wire rope or a short vertical rod that enables the forces of the roadway of a SUSPENSION BRIDGE to be translated into an axial force in the supporting CABLES.



Manhattan Bridge Suspenders. (Credit: NYSDOT and Jagtar Khinda)

SUSPENSION BRIDGES

Suspension bridges are high level bridges with spans that usually exceed 1,500 feet in length. Supported by large wire CABLES that are anchored to masses of concrete and which pass over the tops of towers, the

road DECK is suspended at regular intervals by smaller cables called suspenders. While the main cables carry the entire live and dead load, stiffening TRUSSES are required to distribute the LIVE LOAD and prevent excessive deflection at any point. The Brooklyn, *Manhattan* and *Williamsburg* Bridges are noted New York City examples of this type.



Manhattan Bridge. (Credit: Bernard Ente) Williamsburg Bridge. (Credit: Peter Basich)

SWING BRIDGES

Swing bridges are movable bridges that are supported on a center PIER in the center of a waterway, and are opened by rotating the SUPERSTRUCTURE horizontally on wheels riding on a circular track. Two channels are provided on either side of the bridge for navigational ease when the bridge is in the open position. Because swing bridges are slow to operate and restrict channel width, they are rarely constructed today. Examples of swing bridges in New York City include the *Third Avenue*, *Madison Avenue*, *145*th *Street*, *University Heights*, *Grand Street* and *Macombs Dam* Bridges.



Third Avenue University Heights Bridge. (Credit: Michele N. Vulcan) Grand Street Bridge. (Credit: NYSDOT) Macombs Dam Bridge. (Credit: Michele N. Vulcan)

TEMPORARY BRIDGE

A pedestrian and/or vehicular bridge built to carry traffic around an active construction site in lieu of STAGE CONSTRUCTION. The structure is removed after the new bridge is open to traffic.



2005: Pontoon Bridge Used During the Emergency Reconstruction of the Ocean Avenue Pedestrian Bridge over Sheepshead Bay. (Credit: Russell Holcomb)

THERMAL EXPANSION

Temperature-induced changes in the lengths of steel and other materials used to construct bridges. Thermal expansion governs the design of joints and can, in extreme cases, impact the operation of movable bridges.

TORSION

Twisting force usually caused by unbalanced or asymmetrical loading.

TOWER

Often the most majestic element in a SUSPENSION or cable stayed bridge, the *tower* serves as a support for the structure's main CABLES.



Inspectors on Manhattan Bridge Tower. (Inspector Credit: NYSDOT) Manhattan Bridge Tower. (Credit: Michele N. Vulcan) Manhattan Bridge Tower Detail. (Credit: Russell Holcomb) Brooklyn Bridge Brooklyn Side Tower Detail. (Credit: Jagtar Khinda)

TRAVELER MAINTENANCE

The maintenance of a traveler (movable underdeck platform) that runs under the East River Bridges so maintenance, inspections and repairs can be performed to the underside of the bridge.



Manhattan Bridge Traveler. (Credit: NYSDOT)

TRUSS

A rigid framework built of interconnecting steel beams, creating a large "girder" to support the floor system and transfer loads to the substructure over a longer span.



Brooklyn Bridge Franklin Square Truss. (Credit: Andy Hoang). General view of Manhattan Bridge Trusses B and C From the Lower Roadway on the Main Span. (Credit: NYSDOT) Chambers Street Pedestrian Bridge Truss.

Madison Avenue Bridge Truss Swinging. (Credit: NYSDOT)

TRUSS BRIDGES

Truss bridges possess road decks that are supported by Steel TRUSSES that rest on PIERS and ABUTMENTS, and which span short distances. The 174th Street Bridge in the Bronx is an example of a truss bridge.

East 174th Street Truss Bridge over Sheridan Expressway. (Credit: NYSDOT)

VERTICAL LIFT BRIDGES

Vertical lift bridges are movable bridges which have road DECKS that operate in much the same fashion as an elevator. Comprised of supporting end CABLES that are attached at one end to the road DECK and at the other to rotating drums, these bridges are raised and lowered to allow for the safe passage of marine traffic. The 103rd Street - Wards Island Pedestrian Bridge, Ninth Street Bridge, and Broadway Bridge are examples of this type of bridge.



Wards Island Pedestrian Bridge. Ninth Street Bridge. (Credit: Bojidar Yanev) Broadway Bridge. (Credit: Bernard Ente)

VIADUCT BRIDGES

Viaduct bridges are multi-span bridges containing two end spans and any number of intermediate SPANS. The end spans are supported by an ABUTMENT on one end and a PIER on the other. The intermediate spans held aloft by piers.



Park Avenue Viaduct Bridge. Experiencing the Viaduct in a Whole New Way During Summer Streets 2012.

WEARING SURFACE

The topmost layer of material applied on the DECK or roadway that receives the traffic loads; also known as wearing course.



Brooklyn Bridge Wearing Surface. Manhattan Bridge Wearing Surface and Safety-Shaped Barriers. (Credit: NYSDOT)

WATERPROOFING MEMBRANE

A protective sheet placed between a WEARING SURFACE and concrete DECK to shield the concrete deck from water and corrosive chemicals which could cause DELAMINATION and SPALLING.

WFI D

To fasten together metals by bonding with molten metal.

WINGWALL

Walls of reinforced concrete or stone that prevent the soil behind the ABUTMENT from eroding away and leaving a void beneath the APPROACHES of the bridge. Also known as a retaining wall.



Broadway Bridge, Bay Ridge Avenue Bridge, Ed Koch Queensboro Bridge, and Center Drive (Playmates Arch) Wingwalls. (First Three Credit: NYSDOT)

WINTER INSPECTION

Inspection of a site known to have a greater hazard potential during winter. This may be due to low ambient temperatures, accidental or deliberately set fires.



Timber Shoring Supporting a Failing Steel Beam – a Potential Winter Hazard. (Credit: Bojidar Yanev)

Bridge Protection through Dirt and Water Control

Cleaning of Abutment and Pier Tops Removal of debris, dirt and vegetation from abutment and pier tops; cleaning and lubrication of bridge bearings.

Pier Top Cleaning of Bridges Over Water (including Pigeon Waste Removal)

This work consists of removing all debris, including pigeon waste, from bridge abutments and pier tops. Workers pull the material from the edges into the center of the pier with a broom or shovel while supervisors monitor the work to ensure that, to the maximum extent practicable, material is not pushed from the pier during the cleaning process. Using hand tools, debris is collected and removed for disposal. When removing pigeon waste, a 3.5 gallon manual spray canister is used to apply a bleach/water solution to the waste and to the area to be cleaned. The solution is sprayed at a low height to limit aeration and prevent material from falling into the waterway. Once the waste has been sufficiently treated, it is removed for proper disposal.

Cleaning and Lubrication of Bearings of Bridges Over Water

This work consists of cleaning bearings, as well as removing old and applying new lubricant where required. For bearings on flat, solid surfaces, located 12 inches or more from the edge of the structure, no containment/bulkhead will be used. A containment/bulkhead will be used when cleaning or lubrication bearings located less than 12 inches from the edge of the structure. Dirt and old lubricant are collected and disposed of properly.

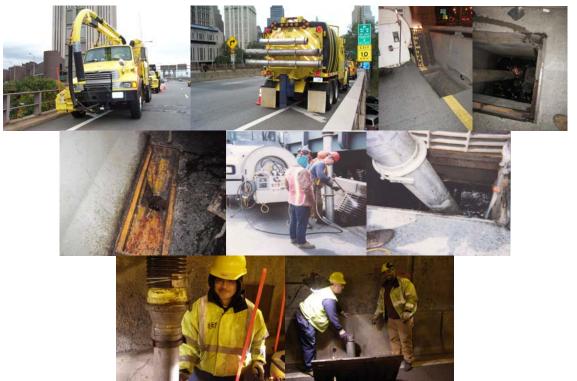
Debris RemovalRemoval of spilled trash; removal of rocks, wood, plastic or metal objects, tires, mufflers, wheel covers, and other traffic droppings; removal of paper products, bottles, cans, accumulated dirt and other trash. Debris removal is also required for walkways and plazas. For movable bridges and bridges over water, the protective fender systems need to be cleared of debris. The removal of debris from bridges is an important and critical component of maintenance. Debris can cause safety and hazard conditions. In addition, debris traps moisture and salts on the structure and prevents proper drainage.



Manhattan Bridge Tower After Debris Removal. (Credit: Peter Basich) 161st Street Pedestrian Bridge Over Major Deegan Expressway. Assistant City Highway Repairer Lashawn Elam and Highway Repairer Anita Ramos Removing Vegetation and Other Debris.

Cleaning of Drainage System

Removal of debris, dirt and vegetation from drainage systems, including gutter gratings, gutters and leaders, scuppers, down spouts and scupper piping systems. The cleaning of surface gratings and gutters requires hand tools, brooms and brushes. In some cases, an air compressor might be needed to blow out some gutters. Cleaning the scuppers and scupper piping systems requires specialized equipment.



Drain Truck on Brooklyn Bridge Ramp. (Credit: Peter Basich) Drain Cleaning on the Williamsburg Bridge in September 2011. (Credit: Shaikh Islam) Cleaning Catch Basins on the Manhattan Bridge. Drain Crew: Highway Repairer Anthony Irizarry, Supervisor Highway repairer Michael Parise, and Assistant City Highway Repairer Giavonni Caballero. (Crew Credit: James Campbell)

Cleaning of Expansion Joints Removal of debris and dirt from the troughs using compressed air or water; and cleaning and resealing of the joints. Performed on all bridges. Expansion joints are located at the surface level where they are subjected to impact and vibration and are exposed not only to the elements such as water, dust, grit, ultra-violet rays and ozone, but also to the effect of chemicals such as salt solutions, cement alkalis and petroleum derivatives. In addition to regular lubrication of moving parts, penetration of water, silt and grit must be effectively prevented or provision made for their removal.



Manhattan Bridge Expansion Joint Cleaning in 2008: Supervisor Highway Repairer Thomas Cruz, Assistant City Highway Repairer Antonio Asaro, Highway Repairer Louie Dumeng, and Oiler Stanley Karolewicz. Assistant City Highway Repairers Jonathan Adorno and Antonio Asaro, Oilers Stanley Karolewicz and Ronald Grady. (Credit: Thomas Whitehouse)



Expansion Joint Cleaning on the Williamsburg Bridge in September 2011. (Credit: Shaikh Islam)

Cleaning of Open Grating Decks Removal of debris and dirt from open-grating decks and washing with high-pressure water jets.

Sweeping sweeper along each curb.

Sweeping each bridge with a mechanical



Mechanical Sweeper - Side and Rear Views. (Credit: Peter Basich)

Washing of Decks and Salt Splash Zones Washing of decks and salt splash zones to remove remnants of de-icing salts; use of compressed air and water jets to clean tight corners.



Washing the Williamsburg Bridge in July 2011 and the Ed Koch Queensboro Bridge in August 2011.

Roadway Surface Maintenance

Crack Sealing in Pavement and Curbline Sealing Cleaning of cracks and filling them with sealant; sealing with mastic material along the curb line to prevent water leakage onto bridge components. This maintenance function is sensitive to weather conditions.

Repair of Sidewalks and CurbsSidewalk repair to restore sidewalk to original condition. Curb repair to be undertaken along with this task.



Sidewalk Repairs in August 2010 at Houston Street Bridge over the FDR Drive: Tractor Operator Robert Noordzy (in Tractor), Bricklayer Vincent Sciulla, Cement Masons Frank Finizio and Victor Porowski, and Bricklayer Luigi Cuffari. Bridge Repairer and Riveter Brook Budd and Bricklayer Luigi Cuffari. Tractor Operator Noordzy (in Tractor), Cement Masons Frank Finizio (Foreground) and Victor Porowski (Background), and Bricklayer Vincent Sciulla. Bricklayer Vincent Sciulla, Bridge Repairer and Riveters James Philip and Brook Budd, Bricklayer Luigi Cuffari, Tractor Operator Robert Noordzy, Supervisor Bricklayer Edward Alfano, and Cement Masons Frank Finizio and Victor Porowski. (Credit: Russell Holcomb)

Replacement of Wearing SurfacesRemoval of old wearing surface; preparation of exposed concrete slab or steel plate; installation of new wearing surface. The wearing surface is a two-inch course of bituminous concrete. Also includes minor deck repair, cleaning and waterproofing of deck.



Removing the Old Micro-Surfacing on the In-Bound Brooklyn Bridge. Shot Blasting for Surface Preparation.

Cleaning the Roadway Surface. (Credit: Fouad Althaibani, Emad Shaker, and Sunil Desai) 2008: Covering all the Drainage Systems Before Applying the Micro-Surfacing on the In-Bound Brooklyn Bridge. Applying the Tack Coat for the Micro-Surfacing. Applying the New Micro-Surfacing Materials. (Credit: Fouad Althaibani, Emad Shaker, and Sunil Desai)



Resurfacing the Belt Parkway Bridge over Mill Basin on August 3, 2009. The Crew Completed a 13'x29' Cut in the Eastbound Center Lane, West Approach Spans. The Area Exhibited Rutting, Cracking and Excessive Patching. Breakout and Removal of Deteriorated Wearing Surface. Ironworker Assisting the Crew. Installation of New Asphalt. (Credit: Yousef Demis) Compacting the Asphalt With the Assistance of a Gasoline Roller Engineer From the Roadway Repair and Maintenance Division. (Credit: Ali Mozaffari)



Repaving the Williamsburg Bridge in 2011.

Electrical and Mechanical Component Maintenance of the 4 East River Bridges and 25 Movable Bridges

Maintenance of Electrical Devices

Checking and servicing electrical systems such as travelers, relays, auxiliary contacts, meters, overload relays, time delay relays, span and tail locks, brake systems, transmitters, transformers, fuses, wiring, resistors, etc. Also includes checking interior anchorage lighting, caution lighting, navigation lighting, and necklace lighting. During inspection, the travelers of the East River Bridges are operated to ensure proper calibration of electric motors. If motors are not calibrated properly, the travelers may rotate and jam along their guides. Many of the movable bridges are very old and replacement parts are difficult to find or may not be available any longer. When necessary, Division personnel fabricate machine parts such as shafts, and brake and warning gate components. In addition to inspection of systems, the electrical technicians replace poor condition components with electric systems before corrective maintenance is required. This preventive maintenance strategy avoids disruption of bridge service to motorists. This is important, because once corrective maintenance is necessary, it may require the bridge to be out of service for lengthy periods.



Construction Project Manager Gholamali Mozaffari, and Electricians Nelson Crooks and Gary Emmanuel Fixing Machinery in the Ninth Street Bridge Operator House in April 2008. (Credit: Vera Ovetskaya) Repairing the Navigation Lighting on the Hunterspoint Bridge. On the Bridge: Oilers Carl Wharton, Richard Morreale, and Paul Califano, Mozaffari Ali, Electrician Naum Golburt, and Highway Repairers Manny Nardiello and Kevin Donahue. In the Snooper Bucket: Harry Parmaman and Supervisor Electrician Jose Done. (Credit: Samuel Teaw)

Maintenance of Mechanical Components Cleaning and lubrication of all movable parts and bridge cables for the four East River Bridges and the twenty-five movable bridges. Cleaning and lubrication of travelers; cleaning, wedging and oiling of the main cable strands and eyebars; cleaning of truss bearings; cleaning and lubricating air and fire line valves. Cleaning and lubrication is required to keep components from corroding and becoming immobile. Allowing components to seize could cause operating failure and introduce unsafe structural stresses.



Repairing the Brooklyn Bridge Standpipe System, 130 Feet Below the Roadway. Maintenance Crew Conducting the Annual Cleaning and Lubrication of the Solid Rod Suspenders Spherical Bearings on the Brooklyn Bridge. 2nd Photo - Oilers Steven Marxhausen, Rene Francis, Richard Morreale, Thomas McAuliffe, and Andrew Sorrentino. (Credit: Anatoly Orlov) Oiler T. McAuliffe at the 9th Street Bridge



Oiler Tom Strommen Maintaining the Hydraulic Power Unit at the Hamilton Avenue Bridge in February 2010. (Credit: Vera Ovetskaya) Cleaning and Lubricating the Broadway Bridge. (Credit: Reza Taheri) Executive Director of Bridge Preventive Maintenance and Repair Thomas Whitehouse (Wearing Yellow Jacket) Inspecting the Broadway Bridge Machinery Room and Instructing the Contractor. (Credit: Albert Hong). Assistant Mechanical Engineer Vera Ovetskaya Climbing to the Brooklyn Bridge Tower in 2008. (Credit: Gennadiy Kaplun)

Steel Protection - Painting**

Total Paint Removal and Repainting Constructing negative pressure containment (Class 1A); washing and surface blasting to commercial-blast or near-white metal condition (Society for Protective Coating SP-6 or SP-10); constructing Class 3P containment; power tool cleaning to bare metal condition (Society for Protective Coating SP-11 or SP-15); lead monitoring and disposal; applying lead-free paint; primer, intermediate coat and top coat. Surface preparation is accomplished by abrasive blasting. The containment materials include tarps, plywood, scaffolding, and cables. Equipment includes blasting machines, needle guns, spray pumps, compressors, dust collectors, filters, and ductwork.



Assembly of Containment System at Franklin Square – in July and September 2010. Brooklyn Bridge Side Span Containment System – in November 2010.

The Division treats all lead paint waste as hazardous waste, and stores and disposes of it according to the Resource Conservation and Recovery Act (RCRA). Waste is stored in approved leak-proof drums and containers which are, in turn stored temporarily in a fenced, secured area on-site until they are transferred to a disposal/recycling facility.

Full-Steel (Overcoating) Overcoating of the entire bridge. Solvent cleaning and cleaning of steel surfaces in areas with deteriorated paint is conducted using approved environmentally safe paint removal techniques, and either power tools, hand tools or combination hand/power tools. Power tool cleaning is performed in a Class 3P containment, and hand tool cleaning in a Class 4 containment. Combination hand/power tool cleaning is performed in a Class 3P containment. A localized primer coat and a single finish coat are then applied by brush, roller, or spray over the entire bridge.

Salt Splash/Spot Painting This is a new process that combines salt splash with spot painting. It involves preparation of the area to be painted by power wash, using clean water or steam. Solvent cleaning is done in locations where oil and grease need to be removed from the steel surface. Areas to be power washed and painted are: the superstructure (up to six feet upwards from the deck), the underdeck steel (up to three feet from each side of the center line of the expansion joints), and the outside of the bridge's steel faces. In addition to these painted areas, we now perform localized surface preparation and painting of any deteriorated locations as mentioned in our spot painting definition above. After power washing, hand and power tools are used in areas that have started to show deterioration from accumulated de-icing agents. Power tool cleaning is performed in a Class 3P containment, and hand tool cleaning in a Class 4 containment. Combination hand/power tool cleaning is performed in a Class 3P containment. A spot primer coat and finish coat are then applied by brush or roller. Occasionally, when there is no danger of overspray, spray painting may be performed.



Williamsburg Bridge in June 2010: Application of Finish Coat at North Truss Diagonal. Salt Splash Painting on the Williamsburg Bridge. (Salt Splash Credit: Fouad Althaibani). Inspection of Blasting Surfaces Inside the Franklin Square Arch Containment in September 2010. Brooklyn Bridge Main Span Painting in December 2010.

TASK	IMPACT*
Debris Removal	6.1%
Sweeping	5.3%
Clean Abutments & Piers	8.1%
Clean Open Grating	7.0%
Clean Expansion Joints	9.1%
Wash Deck & Splash Zones	5.1%
Paint	4.2%

TASK	IMPACT*
Spot Paint	3.7%
Drain Cleaning	10.6%
Sidewalk & Curb Repair	2.5%
Pavement & Crack Sealing	12.2%
Wash Underside	15.9%
Mechanical Device Maintenance	6.7%
Replace Wearing Surface	3.5%

*IMPACT ON BRIDGE RATING



Cleaning the Brooklyn Bridge Brooklyn Anchorage in July 2007.

(Credit: Serag Saad) During Fall Protection Training in August 2010,
Executive Director of Bridge Preventive Maintenance and Repair
Thomas Whitehouse Was Hoisted in the Air While Wearing a Full Body
Harness - Demonstrating How to Deploy and Use the Foot Stand to
Prevent Orthostatic Intolerance (Commonly Referred to as Suspension
Trauma), Which Can be Fatal if Not Prevented. (Credit: Gean Pilipiak)

*Consortium of Civil Engineering Departments of New York City Colleges and Universities. Preventive Maintenance Management System For New York City Bridges: Update 1998. Technical Report No. 98-1. 1999. **Descriptions modified in November 2003.

MAINTENANCE PERSONNEL RESOURCES IN 2012

Preventive maintenance, corrective repair, flag repair, and painting work on the bridges and other structures within the City is performed by mechanics and supervisors in a variety of trades. The bridge operators provide safe and expedient passage to all marine and vehicular traffic under and on movable bridges. A breakdown of this work force by trade is:

	SUPERVISORS	MECHANICS
BRICKLAYERS	2	3
BRIDGE OPERATORS	21	64
BRIDGE PAINTERS	7	25
BRIDGE REPAIRERS/RIVETERS	4	36
CARPENTERS	3	14
CEMENT MASONS	-	10
ELECTRICIANS (INCLUDES HELPERS)	4	23
HIGHWAY REPAIRERS (INCLUDES ASSISTANTS & SEASONAL WORKERS)	25	70
MACHINISTS	-	1
MOTOR GRADER OPERATORS	-	1
OILERS	-	16
TRACTOR OPERATORS	-	1
TOTALS	67 SUPERVISORS	263 MECHANICS



Bridge Operator Mary Harrigan at the Union Street Bridge. (Credit: Adal Maldonado) Bridge Repairer Riveter Damian Venezia Squeezing
Between the Girders to Access a Floor Beam That Needed to be Reinforced on the Ed Koch Queensboro Bridge – August 2010. (Credit: Hany
Soliman) Carpenters John Horgan and Ruben Urena, and Assistant Civil Engineer Fouad Althaibani Repairing the PS-5 Bridge in November
2011. (Credit: Thomas Whitehouse) Civil Engineer Omar Makki at the Inspection of the Carroll Street Bridge - December 2010.



Bridge Operator-in-Charge Delonda Bates-Pinkney at the Controls of the 9th Street Bridge. She has worked for the Department since 1989. (Credit: Keith Burrowes) BOIC Bates-Pinkney Preparing to Check the Bridge's Mechanisms. (Credit: Vera Ovetskaya) Administrative Engineer John Kurre and Assistant Civil Engineer Sergey Parayev Preparing to Inspect the Borden Avenue Bridge Project Site in September 2010.

Revised 11/19/12

MAINTENANCE PERSONNEL RESOURCES IN 1900

A breakdown of the Department of Bridges work force by trade in 1900:

	SUPERVISORS	MECHANICS
AXEMAN		8
BLACKSMITH	1	2
BOILERMAKER		1
BRICK MASON	1	4
BRIDGE TENDER	15	137
CARPENTER	1	23
DOCKBUILDER		1
DRIVER		11
FIREMAN		18
FITTER		3
GATEMAN		7
INSPECTOR (INCLUDING STEEL)		10
LABORER (INCLUDES HELPERS)	7	111
LEVELER		4
LINEMAN		3
MACHINIST (INCLUDING HELPERS)		13
MASONRY INSPECTOR		7
MECHANIC	1	2
PAINTER	1	16
RIGGER		11
RIVETER	1	6
RODMAN		4
SHIP CARPENTER		4
SOUNDER		4
STABLEHAND		3
STEAM ENGINEER (INCLUDES DYNAMO)		15
STONE CUTTER/STONE MASON	1	2
SUPERINTENDENT ELECTRIC LIGHT	1	
SUPERVISOR (INCLUDES ASSTS)	12	
TOOLMAN		2
TRANSITMAN		7
TRIMMER		2
TOTALS	42 SUPERVISORS	441 MECHANICS
	.= 55. =	



Willis Avenue Bridge Curbing and Road Repair in the Early 1920's. Gateman J. J. McDonough (on left), Great-Grandfather of Deputy Chief Engineer Russell Holcomb

BRIDGE INSPECTION EQUIPMENT LIST

Inspector Equipment	Inspection Team Equipment	Inspection Van Equipment
Boots-Knee High	5 Boro Map	Tool Chest
Dust Masks (Disposable)	Binoculars	Clip Boards
Safety Goggles	Broom	Flashlight (3 "D" Cell)
Hard Hat With Liner	Digital Camera	Fire Extinguisher
Rain Hat & Jacket	Camera Card Reader	First Aid Kit
Work Gloves Long Cuff	Hand Compass	3 Safety Flags
Work Gloves Unlined	Screwdriver Set (Regular)	Step Ladder 6' or 8'
Work Gloves Lined	Screwdriver Set (Phillips)	10 Traffic Cones
Work Boots	Dye Penetrant Kit	Special Equipment for Inspection of Bridges Over Railroads
Chipping Hammer	Lantern	Third Rail Insulating Mat
Clip Boards	D-Meter With Test Block	Put In Trucks By Highway
Deceleration Lanyards	Marking Paint Spray	Repairers When Needed
Flashlight (2 "D" Cell)	Retract Survey Rod 25'	Generator
	Portable Laser Distance Meter	2 2002
Safety Vest	Handheld Computer	Oil For Generator
Level 9" (Magnetic)	Thermometer	Extension Ladder 32'
Tool Bags (24")	Spray Penetrating Oil	Extension Ladder 24'
Class III Body Harness	Cell Phone/Radio	Extension Ladder 16'
Lanyards	Vernier Calipers	Shovel
Bridge Inspection Manual (New York State)	Wrenches 12"	Push Broom
echnical Advisories For Inspection Manual	Tool Pouch	Dust Pan & Sweep Broom
Emergency Procedure Instructions	Lumber Crayons	Bottled Water
OSHA Approved Respirator & Filters	Spray Paint	Bolt Cutter
Belt With Two Drop Forged D-Rings	Awl	Flood Lights
Hard Hat Flashlight	Calipers	Approved Safety Gasoline Can
	Hacksaw	Sledge Hammer (8 lbs.)
The same	Hacksaw Blades (Extra)	Extension Cord Winder
	Paint Scraper	
	Inspection Mirror	
	Level 24"	1
	Pliers 8", Vinyl Coated	
	Plumb Bob	
	Pocket Knife	
	Ruler 25' or 30' (Metal)	
No.	Ruler 100' (Fiberglass)	10 11 201
	Scraper Blades (Extra)	Brooklyn Bridge Biennial Inspection in October 2010.
aranga an	Wire Brush	October 2010.
eam Leader Thirugnanam Mohan Inspecting City Island Bridge. (Credit: Bojidar Yanev). Diver	Folding Ruler 8'	
Checking Steel Sheeting at the Fresh Creek Cofferdam Pier 2 in June 2012.	Rope 5/8" With 100' Coil	
	Digital Angle Gauge	

Adams, Dave. K. The Structural Engineers Professional Training Manual. McGraw-Hill Professional, 2007.

Adeli, Hojjat, and Kim, Hongjin. Wavelet-Based Vibration Control of Smart Buildings and Bridges. Taylor & Francis, 2009.

Åkesson, Björn. Fatique Life of Riveted Steel Bridges. CRC Press, 2010.

Åkesson, Björn (editor). *Plate Buckling in Bridges and Other Structures*. Taylor & Francis, 2007.

Åkesson, Björn (editor). Understanding Bridge Collapses: From the Horizon of the Structural Engineer. Taylor & Francis, 2008.

Ansari, Farhad (editor). Sensing Issues in Civil Structural Health Monitoring. Springer, 2010.

Azizinamini, Atorod, Yakel, Aaron, Abdelrahman, Magdy, (editors), and United Engineering Foundation. *High Performance Materials in Bridges: Proceedings of the International Conference.* American Society of Civil Engineers, August 2003.

Barker, Richard M., and Puckett, Jay A. Design of Highway Bridges: An LRFD Approach. John Wiley & Sons, 2nd edition, 2006.

Beard, Jeffrey L., Wundram, Edward C., and Loulakis, Michael C. Design-Build: Planning Through Development. McGraw-Hill Professional, 2001.

Benaim, Robert. The Design of Concrete Bridges. Taylor & Francis, 2007.

Biondini, Fabio, and Frangopol, Dan M. (editors). Bridge Maintenance, Safety, Management, Resilience and Sustainability: Proceedings of the Sixth International IABMAS Conference, Stresa, Lake Maggiore, Italy. CRC Press, 2012.

Blakstad, Lucy (editor). Bridge: The Architecture of Connection. Birkhauser Verlag, 2002.

Blockley, David. Bridges: The Science and Art of the World's Most Inspiring Structures. Oxford University Press, USA, 2010.

Branco, Fernando, A., and de Brito, Jorge. Handbook of Concrete Bridge Management. American Society of Civil Engineers, 2003.

Brown, David J. Bridges: Three Thousand Years of Defying Nature. Motorbooks International, October 2001.

Burke Jr., Martin P. Integral and Semi-Integral Bridges. Wiley-Blackwell, 2009.

Caldarone, Michael A. High-Strength Concrete: A Practical Guide. Taylor & Francis, 2008.

Canel, Annie, Oldenziel, Ruth, and Zachman, Karin, (editors). Crossing Boundaries, Building Bridges: Comparing the History of Women Engineers, 1870s-1990s. Gordon & Breach Publishing Group, 2000.

Chatterjee, Suhken. Design of Modern Steel Bridges. Blackwell Science Inc., 2nd edition, 2003.

Cho, Yoon-Ho, Tayabi, Shiraz D., Won, Moon C., and Yuan, Jianbo (editors). *New Technologies in Construction and Rehabilitation of Portland Cement Concrete Pavement and Bridge Deck Pavement (GSP 196*). (Proceedings of the GeoHunan International Conference: Challenges and Recent Advances in Pavement Technologies and Transportation Geotechnics). American Society of Civil Engineers, 2009.

Choi, Ying-Kit. Principles of Applied Civil Engineering Design. American Society of Civil Engineers, 2004.

Chotickai, Piya. Fatique Life of Steel Bridges: Structural Evaluation and Reliability-Based Analysis Method. VDM Verlag, 2009.

Christy, Craig T. Engineering with the Spreadsheet: Structural Engineering Templates Using Excel. American Society of Civil Engineers, 2006. (With CD-ROM).

Collings, David. Steel Concrete Composite Bridges. Thomas Telford Ltd., 2005.

Construction Institute Committee on Specification. *Preparing Requests for Proposals and Specifications for Design-Build Projects.* American Society of Civil Engineers, 2008.

Cossons, Neil, and Trinder, Barrie. Iron Bridge: Symbol of the Industrial Revolution. Phillimore & Company, Limited, 2002.

Cruz, Paulo J. S., Frangopol, Da M., and Neves, Luis C. (editors). Advances in Bridge Maintenance, Safety Management and Lifecycle Performance. Taylor & Francis, 2006. (With CD-ROM).

Datta, T. K. Seismic Analysis of Structures. Wiley, 2010.

Dawe, Peter. Traffic Loading on Highway Bridges. American Society of Civil Engineers (Thomas Telford, Ltd.), 2004.

Day, Robert W. Geotechnical Earthquake Engineering Handbook. McGraw-Hill, 2001.

Deng, Linzhong. Artificial Intelligence Techniques for Bridge Reliability Assessment. VDM Verlag, 2009.

Denison, Edward, and Stewart, Ian. How to Read Bridges: A Crash Course In Engineering and Architecture. Rizzoli, 2012.

Denny, Mark. Super Structures: The Science of Bridges, Buildings, Dams, and Other Feats of Engineering. The Johns Hopkins University Press, 2010.

Eggert, Helmut, and Kauschke, Wolfgang. Structural Bearings. John Wiley & Sons, 2003.

Erdem, Arda. Seismic Design of Bridges. LAP Lambert Academic Publishing, 2010.

Ettouney, Mohammed, and Alampalli, Sreenivas. Infrastructure Health in Civil Engineering (Two-Volume Set): Theory and Components, & Applications and Management. CRC Press, 2011.

Frangopol, Dan M., Sause, Richard, and Kusko, Chad (editors). Bridge Maintenance, Safety and Management - IABMAS'10: Proceedings of the Fifth International IABMAS Conference, Philadelphia, USA, 11-15 July 2010. CRC Press, 2010.

Galloway, Patricia D. The 21st-Century Engineer: A Proposal for Engineering Education Reform. American Society of Civil Engineers, 2007.

Ger, Jeffrey, and Cheng, Franklin Y. Seismic Design Aids for Nonlinear Pushover Analysis of Reinforced Concrete and Steel Bridges. CRC Press, 2011.

Gere, James M. Mechanics of Materials. Brooks/Cole Publishing, 5th edition, 2000.

Ghali, A., Favre, R., and Elbadry, M. Concrete Structures: Stresses and Deformations: Analysis and Design for Sustainability. Spon, 4th edition, 2011

Ghosh, Uptal K. (editor). Design and Construction of Steel Bridges. Taylor & Francis, 2007.

Ghosh, Uptal K. Repair & Rehabilitation of Steel Bridges. Balkema Publishers, 2000.

Gimsing, Niels J., and Georgakis, Christos T. Cable Supported Bridges: Concept and Design. Wiley, 3rd edition, 2012.

Gohler, Bernhard, and Pearson, Brian. Incrementally Launched Bridges: Design and Construction. John Wiley & Sons, 2000.

Gonzalez, Arturo. Development of a Bridge Weigh-In-Motion System: A technology to convert the bridge response to the passage of traffic into data on vehicle configurations, speeds, times of travel and weights. LAP Lambert Academic Publishing, 2010.

Gottemoeller, Frederick. Bridgescape: The Art of Designing Bridges. John Wiley & Sons, 2nd edition, 2004.

Gransberg, Douglas D., Koch, James E., and Molennar, Keith R. *Preparing for Design-Build Projects: A Primer for Owners, Engineers, and Contractors*. American Society of Civil Engineers, 2006.

Grigg, Neil S., Criswell, Marvin E, Fontane, Darrell G., and Siller, Thom. Civil Engineering Practice in the Twenty-First Century: Knowledge and Skills for Design and Management. American Society of Civil Engineers, 2001.

Hewson, Nigel R. Prestressed Concrete Bridges. ICE Publishing, 2nd edition, 2011.

Hicks, Tyler G. Handbook of Civil Engineering Calculations. McGraw-Hill Professional, 2nd edition, 2007.

Idelberger, Klaus, and Wilharm, Linda (Translator). The World of Footbridges: From the Utilitarian to the Spectacular. Wiley-VCH, 2011.

Imhof, Daniel. Risk Assessment of Existing Bridge Structures: Evaluation of the Risk of Structural Collapse. VDM Verlag, 2008.

Jaffe, Rochelle C. Masonry Instant Answers (Instant Answer Series). McGraw-Hill Professional, 2003.

Jurado, J. A., Hernandez, S., Nieto, F, and Mosquera, A. *Bridge Aeroelasticity: Sensitivity Analysis and Optimum Design (High Performance Structures and Materials).* WIT Press / Computational Mechanics, 2011.

Kappos, Andreas J. (editor). Dynamic Loading and Design of Structures. E & F N Spon, 2001.

Kappos, Andreas J., Saiidi, M. Saiid, Aydinoglu, M. Nuray, and Isakovic, Tatjana. (editors). Seismic Design and Assessment of Bridges: Inelastic Methods of Analysis and Case Studies (Geotechnical, Geological and Earthquake Engineering). Springer; 2012.

Kardon, Joshua A. (editor). Guidelines for Forensic Engineering Practice. American Society of Civil Engineers, 2nd edition, 2012.

Kawada, Tadaki, Ohashi, Harukazu (Translator), Scott, Richard (Editor). *History of the Modern Suspension Bridge: Solving the Dilemma between Economy and Stiffness*. American Society of Civil Engineers, 2010.

Kennedy-Reid, Ian L. Concrete Bridge Strengthening and Repair. Thomas Telford Ltd., 2009.

Khan, Mohiuddin A. Bridge and Highway Structure Rehabilitation and Repair. McGraw-Hill Professional, 2010.

Klein, Lawrence A. Sensor Technologies and Data Requirements for ITS Applications. Artech House, 2001.

Koglin, Terry. Movable Bridge Engineering. John Wiley & Sons, 2004.

Koh, Hyun-Moo, and Frangpol, Dan M. (editors). Bridge Maintenance, Safety, Management, Health Monitoring and Informatics: Proceedings of the Fourth International Conference, Seoul, Korea, 13-17 July 2008. Taylor & Francis, 2008.

Kratkey, Richard J. (Editor). Assessment of Performance of Vital Long-Span Bridges in the United States. American Society of Civil Engineers, 2003.

Leet, Kenneth M., and Uang, Chia-Ming. Fundamentals of Structural Analysis. McGraw-Hill Science/Engineering/Math, 2nd edition, 2004.

Leitch, Kenneth. Close-Range Photogrammetric Measurement of Bridge Deformations: A Non-Contact Analysis Method. LAP Lambert Academic Publishing, 2010.

LePatner, Barry B. Too Big to Fall: America's Failing Infrastructure and the Way Forward. Foster Publishing, 2010.

Mahmoud, Khaled M. (editor). Innovations in Bridge Engineering Technology: Selected Papers, 3rd NYC Bridge Conference, 27-28 August 2007. CRC. 2007.

Mahmoud, Khaled M. (editor). *Modern Techniques in Bridge Engineering: Proceedings of 6th New York City Bridge Conference, 25-26 July 2011.* CRC, 2011.

Malhotra, V. M., and Carino, N. J. (editors). Handbook on Nondestructive Testing of Concrete. Auerbach Publishing, 2nd edition, 2004.

Measures, Raymond M. Structural Monitoring With Fiber Optic Technology. Academic Press, 2001.

Mort, Michael. A Bridge Worth Saving: A Community Guide to Historic Bridge Preservation. Michigan State University Press, 2008.

Moutassem, Fayez. High Strength Concrete Prestressed Bridge Girders: Evaluation and Modification of the Allowable Stresses. VDM Verlag, 2010.

O'Connor, Colin O., and Shaw, Peter A. Bridge Loads. Routledge, 2000.

Outerbridge, Graeme (photographer), and Outerbridge, David. Bridges. Harry N Abrams, 1989.

Paipetis, Alkiviadis S., Matikas, Theodore E., Aggelis, Dimitrios G., and Van Hemelrijck, Danny (editors), *Emerging Technologies in Non-Destructive Testing V: Fifth Conference on Emerging Technologies in Non-Destructive Testing (loannina, Greece, 19–21 September 2011).* CRC Press, 2012.

Parke, G. A. R., and Disney, P. (editors) Bridge Management 5: Fifth International Conference on Bridge Management, 2005. Thomas Telford, Ltd., 2005.

Parmley, Robert O. Civil Engineer's Illustrated Sourcebook. McGraw-Hill Professional, 2003.

Pearce, Martin, and Jobson, R. Bridge Builders. John Wiley & Sons, 2002.

Petroski, Henry. Pushing the Limits: New Adventures in Engineering. Vintage, 2005.

Proske, Dirk, and van Gelder, Pieter. Safety of Historical Stone Arch Bridges. Springer, 2009.

Proulx, Tom. Dynamics of Bridges, Volume 5: Proceedings of the 28th IMAC, A Conference on Structural Dynamics, 2010 (Conference Proceedings of the Society for Experimental Mechanics Series). Springer, 2011.

Raina, V. K. Raina's Concrete Bridge Practice Construction, Maintenance and Rehabilitation. Shroff Publishers and Distributors Pvt. Ltd., 2nd Edition, 2010.

Rasenberger, Jim. High Steel: The Daring Men Who Built The World's Greatest Skyline, 1881 to The Present. HarperCollinsUS, 2010.

Ratay, Robert T. (editor). Forensic Structural Engineering Handbook. McGraw-Hill Professional, 2000.

Ratay, Robert T. Structural Condition Assessment. John Wiley & Sons, 2005.

Reece, Martin B. Strengthening Historic Covered Bridges to Carry Modern Traffic. Nova Science Publishers, 2009.

Richardson, Mark. Fundamentals of Durable Reinforced Concrete. E & F N Spon, 2002.

Ruddock, Ted (editor). Masonry Bridges, Viaducts and Aquaducts. Ashgate Publishing Company, 2000.

Russell, Jeffrey S. (editor). Perspectives in Civil Engineering: Commemorating the 150th Anniversary of the American Society of Civil Engineers. American Society of Civil Engineers, 2003.

Ryall, Michael J. Bridge Management. Butterworth-Heinemann, 2nd edition, 2009.

Ryall, Michael J., Parke, G. A. R., and Harding, J. E. *Manual of Bridge Engineering*. American Society of Civil Engineers (Thomas Telford, Ltd.), 2000.

Ryall, M. J., Parke, G. A. R., and Harding, J. E. (editors). *Bridge Management Four: Inspection, Maintenance, Assessment, and Repair.* (*Proceedings of the Fourth International Conference on Bridge Management)*. American Society of Civil Engineers (Thomas Telford, Ltd.), 2000.

Scheer, Joachim, Wilharm, Linda (translator), and Menn, Christian (foreward). Failed Bridges: Case Studies, Causes and Consequences. Wiley-VCH, 2010.

Simiu, Emil, and Miyata, Toshio. Design of Buildings and Bridges for Wind: A Practical Guide for ASCE-7 Standard Users and Designers of Special Structures. John Wiley & Sons, 2006.

Strasky, Jiri. Stress Ribbon and Cable-supported Pedestrian Bridges. ICE Publishing, 2nd edition, 2011.

Strømmen, Einar. Theory of Bridge Aerodynamics. Springer, 2nd edition, 2010.

Sussman, Joseph M. Perspectives on Intelligent Transportation Systems (ITS). Plenum US, 2005.

Tilly, Graham, Gifford, and Partners. Bridge Conservation: A Guide to Good Practice. Taylor & Francis, 2002.

Tonias, Demetrios E., Garrabrant, Richard, and Chen, Stuart. *Bridge Engineering: Design, Rehabilitation, and Maintenance of Modern Highway Bridges.* McGraw-Hill Professional, 2nd edition, 2004.

Transport Association of Canada. Guide to Bridge Hydraulics. American Society of Civil Engineers (Thomas Telford Ltd), 2nd edition, 2004.

Troyano, Leonardo Fernýýndez. Bridge Engineering: A Global Perspective. American Society of Civil Engineers (Thomas Telford, Ltd.), 2004.

Unsworth, John F. Design of Modern Steel Railway Bridges. CRC Press, 2010.

Weingardt, Richard G. Engineering Legends: Great American Civil Engineers (32 Profiles of Inspiration and Achievement). American Society of Civil Engineers, 2005.

Wenzel, Helmut. Health Monitoring of Bridges. Wiley, 2009.

Whitney, Charles S. Bridges of the World: Their Design and Construction. Dover Publications, 2003.

Williams, Alan. Civil & Structural Engineering: Seismic Design of Buildings & Bridges. Kaplan, 5th edition, 2005.

Xu, You Lin, and Xia, Yong. Structural Health Monitoring of Long Span Suspension Bridges. CRC Press, 2012.

Yanev, Bojidar. Bridge Management. Wiley, 2007. (Also available in Chinese and Japanese editions.)

Yeomans, David. How Structures Work: Design and Behaviour from Bridges to Buildings. John Wiley & Sons, 2009.

Zhao, Jim J., and Tonias, Demetrios E. *Bridge Engineering: Design, Rehabilitation, and Maintenance of Modern Highway Bridges*. McGraw-Hill Professional, 3rd edition, 2012.

New York City Bridge Conference: A Special Issue of the Journal of Bridge Engineering: Proceedings of the 1st New York City Bridge Conference. American Society of Civil Engineers, 2001.

History and Images

Adeli, Hojjat. Historic Bridges: Evaluation, Preservation, and Management. CRC Press, 2012.

Baus, Ursula, Schlaich, Mike, Dechau, Wilfried (photographer), Rieser, C. (translator), and Toovey, Richard (translator). Footbridges. Birkhäuser Basel. 2007.

Beck, Haig, and Cooper, Jackie. Kurilpa Bridge: Brisbane's New Bridge. The Images Publishing Group, 2012.

Cleary, Richard L. Bridges. (Norton/Library of Congress Visual Sourcebooks in Architecture, Design & Engineering.) W. W. Norton, 2007.

Cooper, Alan. Bridges, Law and Power in Medieval England, 700-1400. Boydell Press, 2006.

Cortright, Robert S. (photographer), and Cortright Neff, Jeane (editor). Bridging the World. Bridge Ink, 2003.

Cruickshank, Dan. Dan Cruickshank's Bridges: Heroic Designs That Changed the World. Collins, 2010.

Dyble, Louise N. Paying the Toll: Local Power, Regional Politics, and the Golden Gate Bridge (American Business, Politics, and Society). University of Pennsylvania Press, 2009.

Frampton, Kenneth, Tischhauser, Anthony, and Webster, Anthony C. (editors). Calatrava Bridges. Birkhauser (Architectural), 3rd edition, 2004.

Fujino, Yozo, Kimura, Kichiro, and Tanaka, Hiroshi. Wind Resistant Design of Bridges in Japan: Developments and Practices. Springer, 2012.

Fuller, Robert G., Lang, Charles R., and Lang, Roberta H., (editors). *Twin Views of the Tacoma Narrows Bridge Collapse.* American Association of Physics Teachers, 2000.

Graf, Bernhard. Bridges That Changed the World. Prestel USA, 2002.

Hadlow, Robert W. Elegant Arches, Soaring Spans: C. B. McCullough, Oregon's Master Bridge Builder. Oregon State University Press, 2001.

Harrison, David. *The Bridges of Medieval England: Transport and Society 400-1800.* (Oxford Historical Monographs). Oxford University Press, 2007.

Jamieson, Eric. Tragedy at Second Narrows: The Story of the Ironworkers Memorial Bridge. Harbour Publishing Company, 2008.

Kemp, Emory L. (editor). American Bridge Patents: The First Century, 1790-1890. West Virginia University Press, 2005.

Mackay, Sheila. The Forth Bridge: A Picture History. Birlinn Ltd., 2011.

Robinson, John V. Building the Benicia-Martinez Bridge. Carquinez Press; 2007.

Ruddock, Ted. Arch Bridges and their Builders 1735-1835. Cambridge University Press, 2008.

Scheer, Joachim, and Wilharm, Linda (translator). Failed Bridges: Case Studies, Causes and Consequences. Wiley, John & Sons, Incorporated, 2010.

Scott, R. In the Wake of Tacoma: Suspension Bridges and the Quest for Aerodynamic Stability. American Society of Civil Engineers, 2001.

Solomon, Brian. North American Railroad Bridges. Voyageur Press, 1st edition, 2008.

Sweetman, John. The Artist and the Bridge: 1700-1920. Ashgate Publishing, Limited, 2000.

Thienel, Phillip M. Mr. Lincoln's Bridge Builders: The Right Hand of American Genius. White Mane Publishing Company, Incorporated, 2000.

Van den Berg, Christa, and Nijenhuis, Gerhard. Bridging the Dutch Landscape: Design Guide for Bridges. Bis Publishers, 2009.

Watson, Wilbur J. Great Bridges: From Ancient Times to the Twentieth Century. Dover Publications, 2006.

Wells, Matthew, and Pearman, Hugh (introduction). 30 Bridges. Watson-Guptill Publications, 2002.

Wisely, William H., Fairweather, Virginia, and Caballeros, Harold A. *The American Civil Engineer 1852-2002: The History, Traditions, and Development of the American Society of Civil Engineers.* American Society of Civil Engineers, 2002.

New York City Bridges

Abrahams, Michael J. Seismic Retrofit of Two New York City Bridges. Proceedings of Structures Congress 2001. . American Society of Civil Engineers.

Agrawal, A. K., Yi, Z., Alampalli, S., Ettouney, M., King, L., Hui, K., and Patel, M. *Remote Corrosion Monitoring Systems for Highway Bridges*. Practice Periodical on Structural Design and Construction, Volume 14, Issue 4, November 2009.

Arzoumanidis, Serafim G, Savage, Itunumi, and Zhang, Jun. *In-Depth Seismic Investigation of the Williamsburg Bridge: A Major East-Coast Suspension Bridge*. Proceedings of Structures Congress 2000. American Society of Civil Engineers.

Ashraf, Syed, Jayakumaran S., and Chen, Lihui. Case History: Pile Driving and Vibration Monitoring for Avenue P Bridge in Brooklyn, New York. Proceedings of the International Deep Foundations Congress 2002.

Barbas, Jamey A. Saving the Williamsburg Bridge. Civil Engineering, Volume 70, Issue 10, 2000.

Barbas, Jamey A., and Matusewitch, Peter. *Reconstruction of the Williamsburg Bridge: Transition to a Modern Structure*. Proceedings of the Third National Congress on Civil Engineering History and Heritage. American Society of Civil Engineers, 2007.

Barelli, Michael, White, Joshua, and Billington, and David P. *History and Aesthetics of the Bronx-Whitestone Bridge*. Journal of Bridge Engineering, Volume 11, Issue 2, March 2006.

Buyson, Marco, and Shams, Mohammad. A Yankee Clip: Bronx Bridge Project Packs Plenty of Speed, Precision. Roads & Bridges, Volume 48, Number 11, November 2010.

Coates, Andrew, Yegian, Mishac, Kishore, Kamal, Jin, Sajjan Jain, Patel, Jay, Pizzi, John, Connolly, Paul, and Yin, Beile. Foundation Retrofit of the Third Avenue Bridge in New York. Proceedings of GeoTrans 2004. American Society of Civil Engineers.

Coates, Andrew C., Bluni, Sean A., Connolly, Paul J., Patel, Jay A., and Chandiramani, Balram. Swinging into Action: The Recently Completed Replacement of New York City's 108-Year-Old Third Avenue Bridge Required Complex Staged Construction and the Use of a Temporary Structure to Limit Disruptions to Bridge and Marine Traffic. Civil Engineering, Volume 75, Issue 12, 2005.

Coates, Andrew C., Bluni, Sean A., and Connolly, Paul J. *Replacement of the Third Avenue Bridge over the Harlem River.* Proceedings of the 2005 Structures Congress and the 2005 Forensic Engineering Symposium, American Society of Civil Engineers.

Fanjiang, G. N., Gajer, R. B., Ye, Q. Seismic Evaluation and Retrofit of the Manhattan Bridge. Proceedings of Structures Congress 2001. American Society of Civil Engineers.

Greater Astoria Historical Society, and Roosevelt Island Historical Society. Images of America: The Queensboro Bridge. Arcadia Publishing, 2008.



Brooklyn Bridge in 2009. (Credit: Jagtar Khinda) Ed Koch Queensboro Bridge in 2006. (Credit: Russell Holcomb)

Griggs, Jr., Francis. E. John A. Roebling and His East River Bridge Proposals 1847 — 1869. John A. Roebling: A Bicentennial Celebration of His Birth 1806-2006: Proceedings of the Conference. American Society of Civil Engineers, 2007.

Griggs, Jr., Francis. E. *The Manhattan Bridge: A Clash of Titans*. Journal of Professional Issues in Engineering Education and Practice, Volume 134, Issue 3, 2008.

Haight, Roger, Chang, Sherry, and Kushmock, Robert . *Orthotropic Deck Rehabilitation at the Throgs Neck Bridge.* Proceedings of the 2005 Structures Congress and the 2005 Forensic Engineering Symposium.

Haw, Richard. The Brooklyn Bridge: A Cultural History. Rutgers University Press, 2005.

Haw, Richard. Art of the Brooklyn Bridge: A Visual History. Routledge, 2008

Krstic, Vedrana, Mankbadi, Raymond, and Ramakrishna, Aravinda. Willis Avenue Swing Bridge: Design and Construction of Drilled Shaft Foundations. Selected Papers of the 2009 International Foundation Congress and Equipment Expo, American Society of Civil Engineers, 2009.

Lai, Chee K., and Hubbard, Stephen. Prestressed Concrete Box Beams with Curved Soffits. Proceedings of Structures Congress 2000.

Levy, Matthys. Unusual Arrangement: A New Form of Cable-Stayed Bridge Has Been Developed to Join Two Parts of the Campus of New York City's Rockefeller University. Civil Engineering, Volume 75, Issue 11, 2005

Levy, Matthys. *Rockefeller University Bridge and Plaza.* Metropolis & Beyond: Proceedings of the 2005 Structures Congress and the 2005 Forensic Engineering Symposium. American Society of Civil Engineers, 2005.

Mahmoud, Khaled. Accessible and Cost-Effective Approach for Seismic Retrofit of Highway Bridges. Proceedings of Structures Congress 2001. American Society of Civil Engineers.

Manbeck, John. Historic Photos of the Brooklyn Bridge. Turner Publishing Company, 2009.

Metals in Construction, Fall 2004, Pages 48 - 51. Steel Hits Home Run in Macombs Dam Bridge Rehabilitation.

Metals in Construction, Fall 2005, Pages 26 - 29. Third Avenue Bridge: Steel Bridge Barges in to Replace Its Predecessor.

Metals in Construction, Spring 2007, Pages 36 – 41. Williamsburg Bridge Rehabilitation Contract 8: 100-Year-Old Steel Bridge Ready For 100 Years More.

Metals in Construction, Spring 2008, Pages 38 - 43. Manhattan Bridge Rehabilitation: Steel is the East River Workhorse.

Metals in Construction, Spring 2012, Pages 36 - 41. Paerdegat Basin Bridge.

Mumford, Jason L. *Planning the Brooklyn Bridge: John A. Roebling and 19th Century Project Development.* John A. Roebling: A Bicentennial Celebration of His Birth 1806-2006: Proceedings of the Conference. American Society of Civil Engineers, 2007.

Nikolaou, Sissy, Mylonakis, George, and Edinger, Peter. Evaluation of Site Factors for Seismic Bridge Design in New York City Area. Journal of Bridge Engineering, Volume 6, Issue 6, November/December 2001.

Patel, Jay, Kishore, Kamal, Strohman, Bryan, Arzoumanidis, Serafim, and Yegian, M. K. *Appraising the Brooklyn Bridge*. Civil Engineering, Volume 79, Issue 2, 2009.

Puri, Satinder P. S. Aesthetics of Central Park's Cast Iron Bridges. Proceedings of the 2006 Structures Congress.

Rastorfer, Darl. Six Bridges: The Legacy of Othmar H. Ammann. Yale University Press, 2000.



Gapstow Bridge (East 62nd Pedestrian Bridge) During the Exhibition *The Gates, Project for Central Park, 1979-2005.* (Credit: Russell Holcomb) Center Drive Bridge (Playmates Arch) in 2008. West 62nd Pedestrian Bridge (Pinebank Arch). West 77th Street Pedestrian Bridge (Ladies Pond Bridge). East 77th Street Pedestrian Bridge (Glade Arch) in 2010. Greywacke Arch (East Drive Bridge Opposite East 80th Street) in 2011.

Reier, Sharon. The Bridges of New York. Dover Publications, Incorporated, 2000.

Rockland, Michael A. The George Washington Bridge: Poetry in Steel. Rutgers University Press, 2008.

Rosenthal, Andrea, and Scozzari, Samuel. *Modern Delivery of Construction Management Services with Emphasis on Environmental Risk Management for Projects in Marine and Tidal Areas.* Proceedings of the Eleventh Triennial International Conference. American Society of Civil Engineers, 2007.

Sayenga, Donald (editor). Washington Roebling's Father: A Memoir of John A. Roebling. American Society of Civil Engineers, 2008.

Schultz, Allison R., and Billington, David P. *History and Aesthetics of the East River Bridges*. John A. Roebling: A Bicentennial Celebration of His Birth 1806-2006: Proceedings of the Conference. American Society of Civil Engineers, 2007.

Sharif, Mo. Protecting New York City's Bridge Assets. Public Roads, Volume: 68, Issue 6, 2005.

Shi, Yuwei, Deodatis, George, and Betti, Raimondo. Random Field-Based Approach for Strength Evaluation of Suspension Bridge Cables. Journal of Structural Engineering, Volume 133, Issue 12, 2007.

Spiegler, Jennifer C., and Gaykowski, Paul M. The Bridges of Central Park. Arcadia Publishing, 2006.

Stamm, Rolan, Marcic, David M., and Drugge, H. Everett. Seismic Evaluation and Retrofit Design of the Harlem River Lift Bridge. Proceedings of Structures Congress 2001.

Sutherland, Cara. Bridges of New York City (Portraits of America). Friedman/Fairfax Publishing, 2002



Southern Boulevard, Madison Avenue, and Mosholu Parkway Bridges. (Credit: Russell Holcomb) 17th Avenue Pedestrian Bridge. (Credit: Peter Basich) Wards Island Pedestrian Bridge in October 2011. (Credit: Rafael Lopez) University Heights Bridge in July 2011. (Credit: Russell Holcomb)

Talese, Gay, Davidson, Bruce (photographer), and Rethi, Lili (illustrator). The Bridge: The Building of the Verrazano-Narrows Bridge. Walker & Company, 2002.

Tsakopoulos, Paul A., and Fisher, John W. Full-Scale Fatigue Tests of Steel Orthotropic Decks for the Williamsburg Bridge. Journal of Bridge Engineering, Volume 8, Issue 5, September/October 2003.

Winpenny, Thomas R. Manhattan Bridge: The Troubled Story of a New York Monument. Moore, Hugh Historical Park & Museums, Incorporated, 2003.



Ed Koch Queensboro Bridge in 2009. (Credit: Bernard Ente) The Manhattan Bridge Brooklyn Plaza in 1916: The Statues Represent Manhattan and Brooklyn. Manhattan Bridge in 2009. (Credit: Bernard Ente) Brooklyn Bridge Flag in June 2011.

Yanev, Bojidar S. *Bridge Maintenance Life Cycle Cost Assessment.* Proceedings of First US-Japan Workshop on Life-Cycle Cost Analysis and Design of Civil Infrastructure Systems. American Society of Civil Engineers, 2000.

Yanev, Bojidar S. Williamsburg Bridge-12 Years After. Proceedings of Structures Congress 2001. American Society of Civil Engineers.

Yegian, M. K., Arzoumanidis, S., Kishore, K., Patel J., Jain, S. K., Strohman, B. P., and Edwards, N. *Seismic Soil-Foundation Investigation of the Brooklyn Bridge.* Proceedings of the Geotechnical Earthquake Engineering and Soil Dynamics IV Congress, American Society of Civil Engineers, 2008.

For Children

Aaseng, Nathan. Construction: Building the Impossible. Oliver Press, Incorporated, 2000.

Adkins, Jan (illustrator). Bridges: From My Side to Yours. Roaring Brook, 2002.

Baxter, Nicola. Bridges. Scholastic Library Publishing, 2000.

Brenner, Brian, Gravel, Brian, and Carroll, Julia. *Buildable Bridge Models*. {The models are available for use for enginering outreach for grades K-12} Proceedings of the ASEE New England Section 2006 Annual Conference.

Harris, David W. Truss Fun. BaHa Enterprises, 2nd edition, 2004.

Landau, Elaine. Bridges. (True Books: Buildings and Structures). Children's Press, 2000.

Levy, Matthys, and Panchyk, Richard. Engineering the City: How Infrastructure Works - Projects and Principles for Beginners. Chicago Review Press 2000

Macaulay, David. Building Big. Houghton Mifflin Company, 2000.

Maxwell, Yolonda. Famous Bridges of The World: Measuring Length, Weight, And Volume. PowerKids Press, revised edition, 2005.

Nardo, Don. Roman Roads and Aqueducts. Gale Group, 2000.

Nelson, Robin. From Cement to Bridge (Start to Finish). Lerner Publications, 2004. (Also available in a Spanish edition.)

Parker, Janice. Science of Structures. Weigl Publishers, Incorporated, 2001.

Richards, Julie. Bridges. Smart Apple Media, 2003.

Simon, Seymour. Bridges (Seemore Readers). Chronicle Books, 2005. (Winner of the Oppenheim Toy Portfolio Best Book Award Gold Seal.)

Simon, Seymour, Fauteux, Nicole, and Cushman, Doug (illustrator). Let's Try It Out with Towers and Bridges: Hands-On Early-Learning Activities. Atheneum, 2003.

Stone, Lynn M. Bridges. Rourke Publishing, 2002.

Vanderwarker, Peter, and Keller, John (editor). Big Dig: Reshaping an American City. Little, Brown Children's Books, 2001.

Weitzman, David. Skywalkers: Mohawk Ironworkers Build the City. Flash Point, 2010.

Willard, Keith, and Richardson, Adele. Bridges. The Creative Company, 2000.

Wolny, Philip. High Risk Construction Work: Life Building Skyscrapers, Bridges, and Tunnels. (Extreme Career Series). The Rosen Publishing Group, 2008.

Zaunders, Bo, and Munro, Roxie (illustrator). The Great Bridge-Building Contest. Harry N. Abrams, 2004.

For Children-Internet

ABCD's Bridge Design Tips for Kids. http://www.abcdpittsburgh.org/kids/kids.htm (accessed August 18, 2009).

American Institute of Steel Construction. Student Steel Bridge Competition. http://www.aisc.org/content.aspx?id=780 (College level) (accessed August 18, 2009).

ASCE. Welcome to ASCEville. http://content.asce.org/asceville/index.html (accessed November 30, 2009).

Carroll, Douglas R. Bridge Engineering for the Elementary Grades. Department of Basic Engineering, University of Missouri-Rolla. http://web.umr.edu/~dougc/bridge/Web_Instructions.htm (accessed November 19, 2007).

Cooper, James D., and Munley, Eric. *Bridge Research: Leading The Way to The Future.* United States Department of Transportation - Federal Highway Administration - Turner Fairbanks Highway Research Center. http://www.tfhrc.gov/pubrds/summer95/p95su23.htm (accessed November 19, 2007).

Cridlebaugh, Bruce S. Bridge Basics - A Spotter's Guide to Bridge Design. http://pghbridges.com/basics.htm (accessed November 19, 2008).

DeMember, Don. Discovery School.com. 2007. *Bridges: Technology Lesson Plan (Grades 6 – 8,* http://school.discoveryeducation.com/lessonplans/programs/bridges/index.html (accessed November 19, 2007).

East Prairie School Bridge Building Unit. http://www.eps.n-cook.k12.il.us/teched/bridge/bridge.htm (accessed November 19, 2007).

Engineer Your Life Coalition. Engineer Your Life. http://www.engineeryourlife.org/ (accessed November 30, 2009).

González, Luis Alberto Segovia, Morsch, Inácio Benvegnu, and Masuero, João Ricardo. *Didactic Games in Engineering Teaching – Case: Spaghetti Bridges Design and Building Contest.* (Proceedings of the 18th International Congress of Mechanical Engineering, 2005.) http://www.ppgec.ufrgs.br/segovia/espaguete/arquivos/COBEM2005-1756.pdf (for college teachers). (accessed August 18, 2009)

Harris Middle School. *Building Bridges: An Internet WebQuest on The Study of Bridges*. <u>http://volweb.utk.edu/Schools/bedford/harrisms/bridge.htm</u> (accessed August 18, 2009).

History of Wire Rope in Suspension Bridges - The Roebling Story. http://www.inventionfactory.com/history/RHAgen/rstory/rsfound.html (accessed November 19, 2007).

Johns Hopkins Virtual Laboratory: Bridge Designer. http://www.jhu.edu/virtlab/bridge/truss.htm (accessed August 18, 2009).

Junior Engineering Technical Society. http://www.jets.org/students/lindex.cfm (accessed November 30, 2009).

National Academy of Engineering. Engineer Girl. The EngineerGirl website is part of an NAE project to bring national attention to the opportunity that engineering represents to all people at any age, but particularly to women and girls. http://www.engineergirl.org/ (accessed August 11, 2011)

PBS Bridge Basics. 2000 – 2001. Building Big: Bridges. http://www.pbs.org/wgbh/buildingbig/bridge/ (accessed November 19, 2007).

Popsicle Bridge. http://www.tryengineering.org/lesson_detail.php?lesson=56 (accessed December 30, 2010).

Society of Women Engineers. SWE Scholarships. The SWE Scholarship Program provides financial assistance to women admitted to accredited baccalaureate or graduate programs, in preparation for careers in engineering, engineering technology and computer science. http://societyofwomenengineers.swe.org/index.php?option=com_content&task=view&id=222&Itemid=229 (accessed August 11, 2011).

Unicycle NYC Bridge Tour. Unicycle enthusiasts Keith Nelson and Rob Hickman are on a mission to cross every bridge in New York City -- all 2,078 of them -- on one wheel. http://unicyclenycbridgetour.blogspot.com (accessed November 12, 2010)

U.S. Department of Transportation. DOT Women and Girls Initiative - Pilot Entrepreneurial Training and Technical Assistance - Spelman College. http://www.dot.gov/wg/spelman.html (accessed September 25, 2009).

U. S. Military Academy at West Point. West Point Bridge Design Contest. http://bridgecontest.usma.edu/ (accessed November 19, 2007).

WGBH. 1997. Nova Online - Super Bridge. http://www.pbs.org/wgbh/nova/bridge/ (accessed November 19, 2007).

Yale-New Haven Teachers Institute. 2001, Volume V. *Bridges: Human links and innovations*. http://www.yale.edu/ynhti/curriculum/units/2001/5/ (accessed November 19, 2007).

For Children And Young Adults- Careers

Baine, Celeste. Is There A Civil Engineer Inside You? A Student's Guide to Exploring Civil Engineering. Professional Publications, Incorporated, 2004.

Baine, Celeste. Is There A Civil Engineer Inside You? A Student's Guide to Exploring Careers in Civil Engineering and Civil Engineering Technology. Bonamy Publishing; Kindle edition, 2012.



Assistant Mechanical Engineer Vera Ovetskaya. Harlem River Bridges Engineer Reza Taheri. (Credit: Peter Basich) Deputy Chief Engineer Russell Holcomb on Ed Koch Queensboro Bridge. Mechanical Engineering Intern Christopher Brathwaite Assisting in Strain Gauge Balance Testing on Unionport Bridge in October 2010.



Design-Build Engineer Leonid Gitis. Component Rehabilitation Engineer Malgorzata Banka. Assistant Civil Engineer Andrew Hoang. (Credit: Peter Basich) Civil Engineer Tiffany Wong on the Brooklyn Bridge Traveler. (Credit: Andrew Hoang)

Bulleit, William M. What Makes an Engineering Education an Engineering Education? Proceedings of the Structures Congress 2012.

Hatch, Sybil E., and Vanoni, Vito A. (Editor). Changing Our World: True Stories of Women Engineers (ASCE Manuals and Reports on Engineering Practice, No. 109.) American Society of Civil Engineers, 2006.

Layne, Margaret Edith (editor). Women in Engineering: Pioneers and Trailblazers. American Society of Civil Engineers, 2009.

Layne, Margaret Edith (editor). Women in Engineering: Professional Life. American Society of Civil Engineers, 2009.

Pasternak, Ceel, and Thornburg, Linda. Cool Careers for Girls in Construction. Impact Publications, 2000.



Civil Engineers Tiffany Wong and Maria Mikolajczyk, Adminstrative Engineer Danuta Ryduchowska, Civil Engineer Aldona Ulanecka, Civil Engineer Simona Finkelstein, Civil Engineer Malgorzata Banka, and Associate Staff Analyst Raisa Rapoport. (Credit: Jagtar Khinda) Deputy Director of In-House Painting Earlene Powell. (Credit: Michele N. Vulcan)



Assistant Civil Engineer Elena Maressova, Associate Project Manager Mariya Zhurakhinskaya, Assistant Civil Engineer Ajda Ozyurt. Project Manager Tamara Berlyavsky, Assistant Mechanical Engineer Nancy Guernsey. Construction Project Manager Beatriz Duran. (Credit: Kamran Sikandar). Computer Associate (Software) Laurie Oberson, Associate Staff Analyst Zoya Kiseleva. (Credit: Michele N. Vulcan)

Walesh, Stuart G. Engineering Your Future: The Professional Practice of Engineering. Wiley, 2012.

Williams, F. Mary, and Emerson, Carolyn J. *Becoming Leaders: A Practical Handbook for Women in Engineering, Science, and Technology.* American Society of Civil Engineers, ASME Press, and Society of Women Engineers, 2008.

For Children - Brooklyn Bridge

Bildner, Phil, and Pham, LeUyen (illustrator). Twenty-One Elephants. Simon & Schuster Children's Publishing, 2005.

Curlee, Lynn. Brooklyn Bridge. Simon & Schuster Trade, 2001.

Cobblestone Magazine: Discover American History. The Great Bridge (Special Issue Focus on the Brooklyn Bridge). March 2010, Volume 31, Number 3

Muaddi Darraj, Susan. Brooklyn Bridge. (Building America: Now and Then Series.) Chelsea House Publishers, 2009.

Prentzas, G. S. The Brooklyn Bridge (Building America: Then and Now). Chelsea House Publications, 2009

Prince, April Jones, and Roca, Francois (Illustrator). Twenty-One Elephants and Still Standing. Houghton Mifflin, 2005. (Also available in a Spanish edition.)

Ratliff, Tom, and Bergin, Mark. You Wouldn't Want to Work on the Brooklyn Bridgel: An Enormous Project That Seemed Impossible. (You Wouldn't Want to...Series) Scholastic Library Publishing, 2009.

Tieck, Sarah. Brooklyn Bridge. ABDO Publishing Company, 2008.

Weiner, Vicki. The Brooklyn Bridge: New York City's Graceful Connection. Children's Press, 2004.



Brooklyn Bridge: 1909 View, 2009 Tower Closeup, and 2010 View. (2009 Credit: Emily Goodman, 2010 Credit: Jagtar Khinda)

CD, CD-ROM, Electronic Book, and Score

Daugherty, Michael (composer). Brooklyn Bridge: for Clarinet and Symphonic Band. (Full Score). Boosey and Hawkes, 2007.

Harris, David W. The Newspaper Truss and Other Newspaper Bridges: A Learning CD. BaHa Enterprises, CD-ROM, 2004.

Hicks, Tyler Gregory. Civil Engineering Formulas. McGraw-Hill, Electronic Book - 2001.

McCullough, David G., and Herrmann, Edward (Narrator). The Great Bridge: The Epic Story of the Building of the Brooklyn Bridge (Abridged). Audioworks, Audio CD and Audio Cassette, 2004.

Macdonald, Pat, and Aaron, Chris (producers). Steel Bridge Songs, Vol. 1: Selections from Steel Bridge Songfest. University of Wisconsin Press, Audio CD, 2010.

Macdonald, Pat, (producer). Steel Bridge Songs, Vols. 2 & 3: More Songs Inspired by Sturgeon Bay's Historic Bridge. University of Wisconsin Press, Audio CD, 2010.

Macdonald, Pat, (producer). Steel Bridge Songs, Vol. 4: Even More Songs that Owe their Life to that Bridge in Sturgeon Bay! University of Wisconsin Press, Audio CD, 2010.

Structures 2005: Metropolis & Beyond. (Proceedings of the 2005 Structures Congress and the 2005 Forensic Engineering Symposium.) American Society of Civil Engineers, CD-ROM, April 2005.

Shorts, Video, Videodisc, and DVD

Across Brooklyn Bridge. American Mutoscope & Biograph, silent black and white, 1899.

Barnes, Michael. Nova: Secrets of Lost Empires II - China Bridge. WGBH Boston, 2000.

Burns, Ken. Ken Burns' America: Brooklyn Bridge. PBS Home Video, DVD-2003, Video - 1982.

Fuller, Robert G., Zollman, Dean A., and Campbell, Thomas C. *The Puzzle of the Tacoma Narrows Bridge Collapse.* John Wiley & Sons, Videodisc - 1982.

Klein, Larry. Building Big with David Macaulay: Bridges. WGBH Records, 2000, WGBH Boston, DVD, 2004.

Bob the Builder: On Site - Roads and Bridge. Lyons/Hit Entertainment, DVD, 2008. (For Children.)

Classic Famous Bridge Films DVD: 1930 - 1950s Golden Gate Suspension Bridge, Bridge Collapse Disaster, & Bridge Construction, Design And Engineering History Pictures Films. Quality Information Publishers Inc., DVD, 2007.

Design For Safety & Quality: The Inspection and Auditing Process of Bridges, and Some Important Lessons Learned. Cimwareukandusa.com, DVD, 2006.

Eckerson Jr., C. Streetfilms: East River Bridges: 100 Years of Free Rides Take Their "Toll." http://www.streetfilms.org/east-river-bridges-100-free-years-take-a-toll/ (accessed October 6, 2011).

Eckerson Jr., C., and Press, E. *Streetfilms: NYC Bike to Work Day, 2009.* http://www.streetsblog.org/2009/05/15/streetfilms-nyc-bike-to-work-day-2009/ (accessed December 1, 2009).

Eckerson Jr., C. Streetfilms: The Queensboro Bridge Turns 100. http://www.streetsblog.org/2009/06/01/streetfilms-the-queensboro-bridge-turns-100/ (accessed December 1, 2009).

Eckerson Jr., C. Streetfilms: The Sands Street Bike Path, a New Kind of Bridge Approach. https://www.streetsblog.org/2009/09/25/streetfilms-the-sands-street-bike-path-a-new-kind-of-bridge-approach/ (accessed December 1, 2009).

Eckerson Jr., C. Streetfilms: Turning NYC's Oldest Bridge Into Its Newest Bike-Ped Amenity. [High Bridge] http://www.streetsblog.org/2009/11/30/streetfilms-turning-nycs-oldest-bridge-into-its-newest-bike-ped-amenity/ (accessed December 1, 2009).

Extreme Engineering Season 2 - Episode 5: Oakland Bay Bridge. Discovery, DVD, 2006.

Extreme Engineering Season 2 - Episode 6: Cooper River Bridge. Discovery, DVD, 2006.

Maillart's Bridges a.k.a. Maillarts Brücken. 451, DVD, 2008..

Mega Movers - Massive Bridges. A&E Home Video, DVD, 2007.

Modern Marvels: Brooklyn Bridge. A&E Home Video, DVD, 2005.

Modern Marvels: The Golden Gate Bridge. A&E Entertainment, Video, 1994, A & E Home Video, DVD, 2004.

Modern Marvels: George Washington Bridge. A&E Home Video, DVD, 2006.

Modern Marvels: New York Bridges. A&E Home Video, DVD, 2006.

Modern Marvels: The World's Longest Bridge. A&E Home Video, DVD, 2006.

New Brooklyn to New York via Brooklyn Bridge, No. 1and No. 2. Edison Manufacturing Company, silent black and white, 1899.

Nova: Super Bridge. WGBH Boston Video, 1997, DVD, 2007.

The Opening of the Williamsburg Bridge. American Mutoscope & Biograph, silent black and white,1904.

Oregon Covered Bridges. Travelvideostore.com, DVD, 2005.

Panorama of Brooklyn Bridge, River Front, and Tall Buildings from the East River. Edison Manufacturing Company, silent black and white, 1901.

Passengers Descending from the Brooklyn Bridge. Lumière, silent black and white, 1896.

A Remarkable Fire (Brooklyn Bridge). American Mutoscope & Biograph, silent black and white, 1902.

View of Brooklyn Bridge from a Ferryboat. American Mutoscope & Biograph, silent black and white, 1899.

Woolard, William. Wonder of Science: Bridging the Future. DigicomTV, DVD, 2009.



Manhattan Bridge Plaque Detail. (Credit: Peter Basich)

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