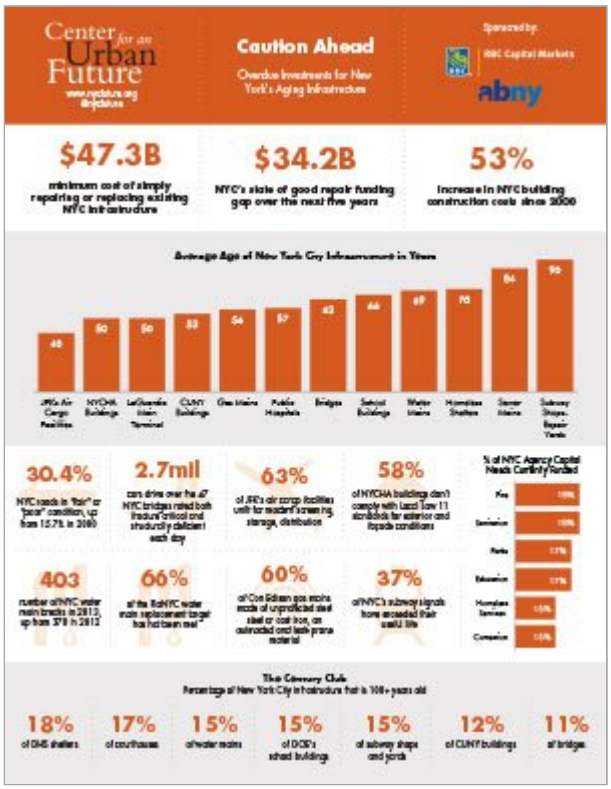
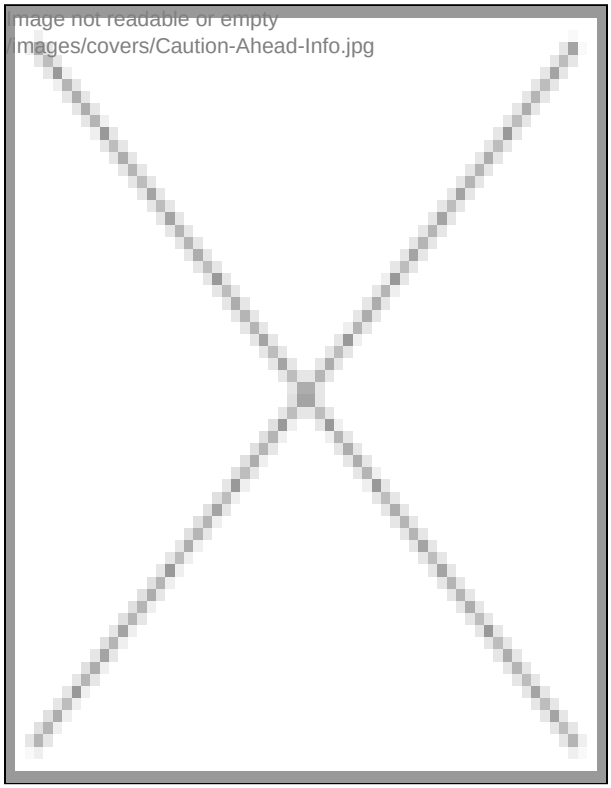



Data - March 2014

# Data from Caution Ahead

Charts and tables from our Caution Ahead report which found that while Superstorm Sandy focused much-needed attention on key pieces of New York City's infrastructure, the city faces a number of other infrastructure vulnerabilities that have little to do with storm-preparedness—from aging water mains and deteriorating roads to crumbling public schools. If left unchecked, they could wreak havoc on the city's economy and quality of life.

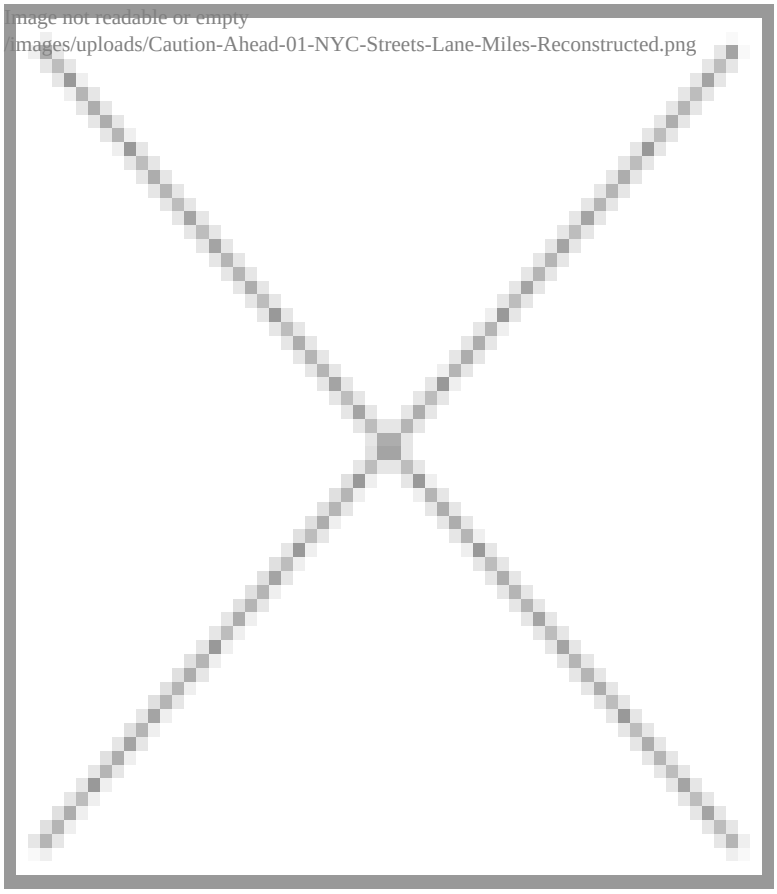


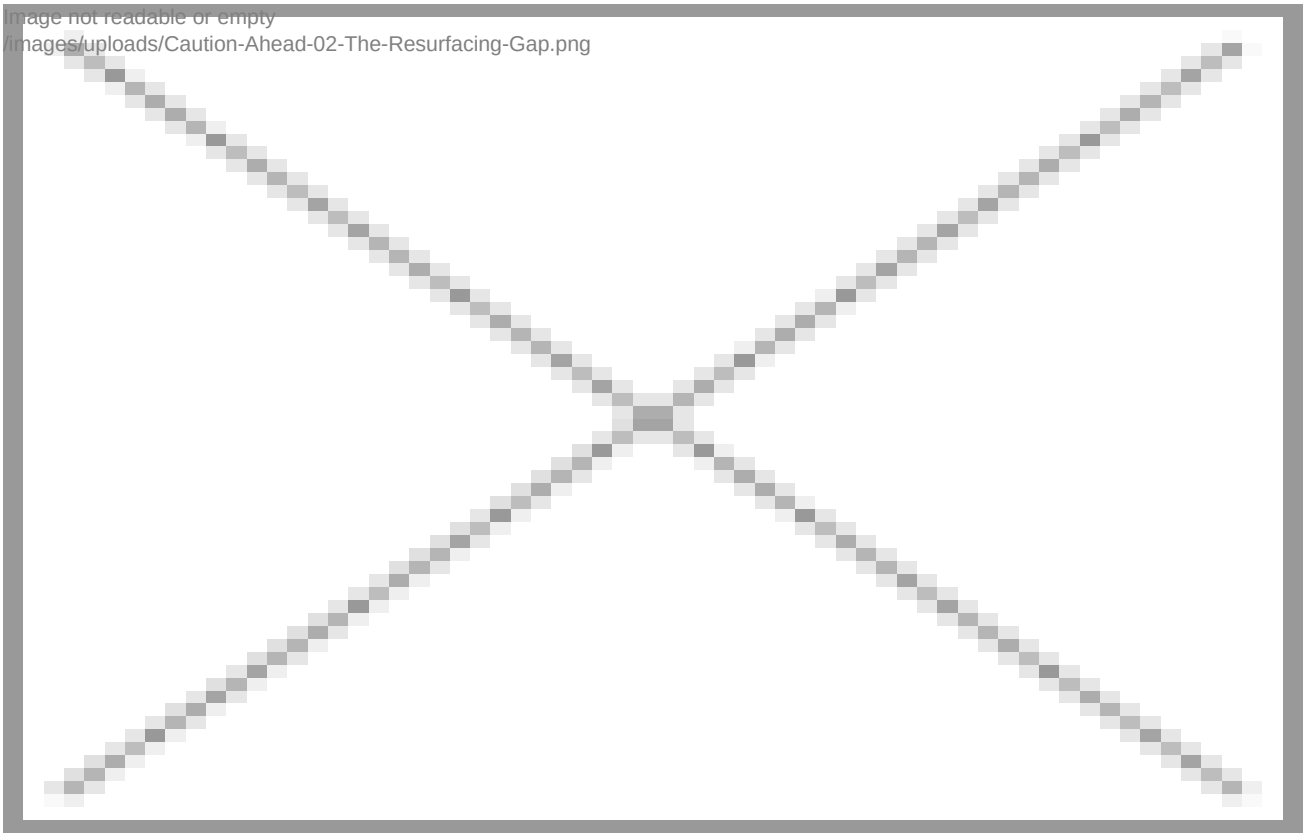
## Road Conditions by Borough

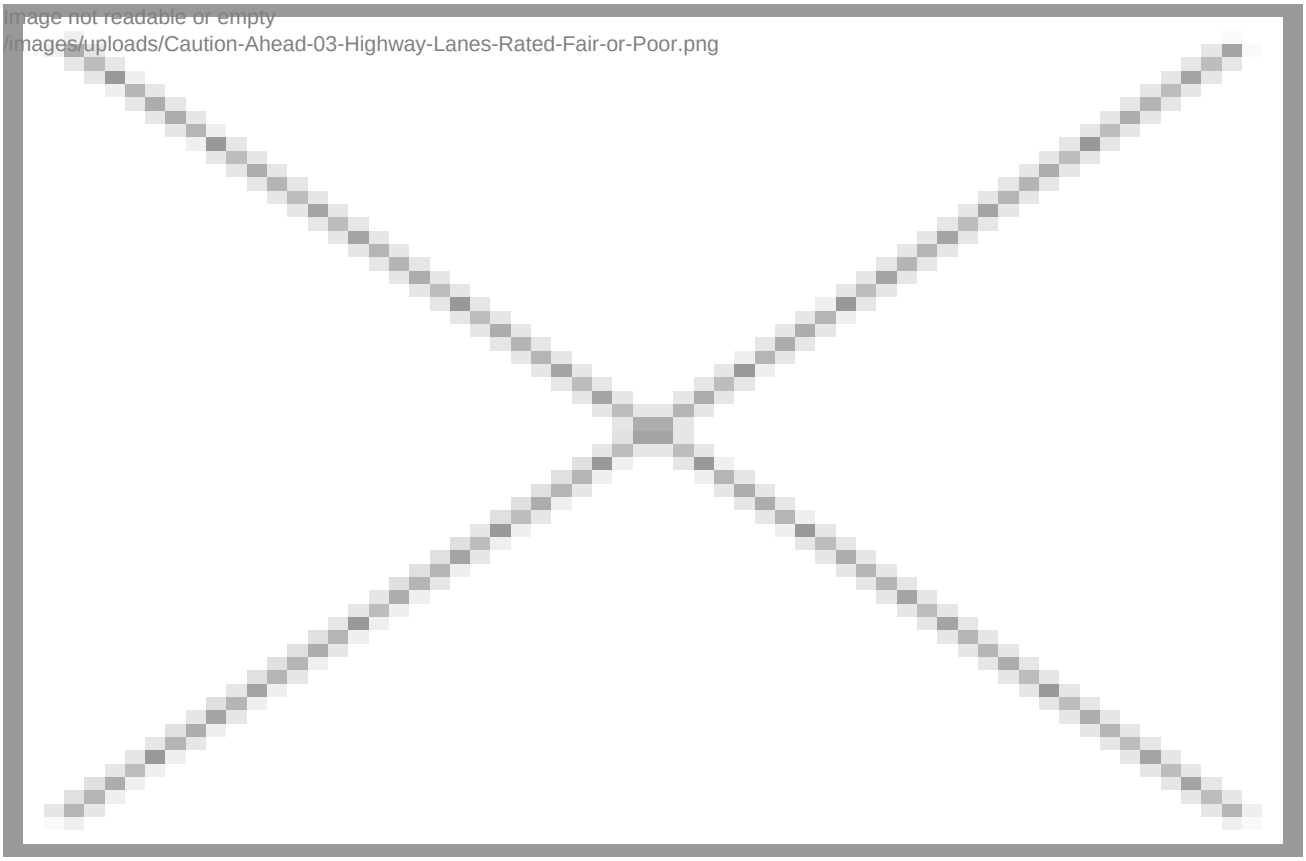
| Borough | % of Street Lanes in "Poor" or "Fair" Condition |
|---|---|
| Manhattan | 42.7% |
| Staten Island | 40.1% |
| Bronx | 34.0% |
| Queens | 29.7% |
| Brooklyn | 27.2% |

## Worst Street Conditions in NYC, By Community Board

| Community Board | % of Street Lanes in "Poor" or "Fair" Condition |
|---|---|
| Manhattan 9 | 65.9% |
| Manhattan 11 | 53.0% |
| Manhattan 1 | 48.8% |
| Manhattan 3 | 46.4% |
| Manhattan 8 | 43.4% |
| Staten Island 2 | 43.4% |
| Brooklyn 13 | 43.2% |
| Bronx 10 | 42.6% |
| Manhattan 6 | 42.0% |
| Queens 2 | 40.7% |


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## NYC Highways With the Lowest Surface Rating

| Route | Borough | Mileage | Surface Rating |
|---|---|---|---|
| Route 25A | Queens | 12.42 | 6.0 |
| Korean War Veterans Parkway | Staten Island | 4.63 | 6.0 |
| Moshulu Parkway | Bronx | 3.11 | 6.0 |
| Pelham Parkway | Bronx | 2.28 | 6.0 |
| Route 24 | Queens | 1.92 | 6.0 |
| Shore Front Parkway | Queens | 1.58 | 6.0 |
| Cross Bay Parkway | Queens | 0.33 | 6.0 |
| Jackie Robinson Parkway | Queens | 4.9 | 5.8 |

| | | | |
|---|---|---|---|
| Route 22 | Bronx | 0.36 | 5.0 |

## New York's "Structural Deficient" Bridges, 2012

| | Average Year Built | Average Condition Rating | # Structurally Deficient | % Structurally Deficient |
|---|---|---|---|---|
| Bronx | 1942 | 4.8 | 52 | 16% |
| Brooklyn | 1947 | 5.1 | 33 | 14% |
| Manhattan | 1942 | 4.7 | 31 | 13% |
| Queens | 1960 | 5.1 | 43 | 9% |
| Staten Island | 1963 | 5.2 | 3 | 2% |
| Total | 1951 | 5.0 | 162 | 11% |

## Bridge Condition, by Owner

| Owner | Average Year Built | # Structurally Deficient | % Structurally Deficient |
|---|---|---|---|
| NYCDOT | 1934 | 85 | 14.2% |
| NYSDOT | 1965 | 64 | 10.5% |
| MTA | 1952 | 11 | 10.1% |
| PA | 1965 | 2 | 1.8% |

## NYC's Most Congested Subway Station Entryways, Riders per Entrance

| Station | Borough | Line | Ridership | Entrances | Riders per Entrance |
|---|---|---|---|---|---|
| Parkchester | Bronx | 6 | 4,687,402 | 1 | 4,687,402 |
| Canarsie-Rockaway Pkwy | Brooklyn | L | 3,920,243 | 1 | 3,920,243 |

| | | | | | |
|---|---|---|---|---|---|
| 8 Av | Brooklyn | N | 3,559,576 | 1 | 3,559,576 |
| 72 St | Manhattan | 1-2-3 | 13,043,031 | 4 | 3,260,758 |
| Newkirk Plaza | Brooklyn | B-Q | 3,021,079 | 1 | 3,021,079 |
| System | | | 1,654,582,265 | 1,861 | 889,082 |

## Age and Condition of JFK Cargo Facilities

| Status | # of Buildings | Average Year Constructed | Square Feet |
|---|---|---|---|
| Total | 33 | 1973 | 6,128,879 |
| Viable | 13 | 1994 | 2,258,433 |
| Nonviable | 20 | 1961 | 3,870,446 |

## Average Age of NYC's Utilities Infrastructure

| | Miles | Age |
|---|---|---|
| Gas Mains | 6,362 | 56 |
| Sewage Mains | 6,437 | 84 |
| Water Mains | 6,785 | 69 |
| Overhead Electric Cable | 18,245 | - |
| Underground Electric Cable | 86,977 | - |
| Steam Pipes | 105 | 60 |

## NYC Electrical System: Service by Overhead Wires vs Underground Cables

| | Overhead Wire | Underground Cable |
|---|---|---|

| | | |
|---|---|---|
| Bronx | 2,679 | 10,901 |
| Brooklyn | 3,552 | 27,317 |
| Manhattan | - | 21,216 |
| Queens | 6,995 | 24,795 |
| Staten Island | 5,019 | 2,748 |
| Total | 18,245 | 86,977 |

## Leaky Pipes: Percent of Water Unaccounted for by Borough, 2011

| | Distribution(Million Gallons per Day) | Consumption (Million Gallons per Day) | % Unaccounted For |
|---|---|---|---|
| Manhattan | 334 | 258 | 23% |
| Bronx | 203 | 138 | 32% |
| Brooklyn | 298 | 205 | 31% |
| Queens | 197 | 171 | 13% |
| Staten Island | 46 | 42 | 9% |
| NYC | 1,078 | 814 | 24% |

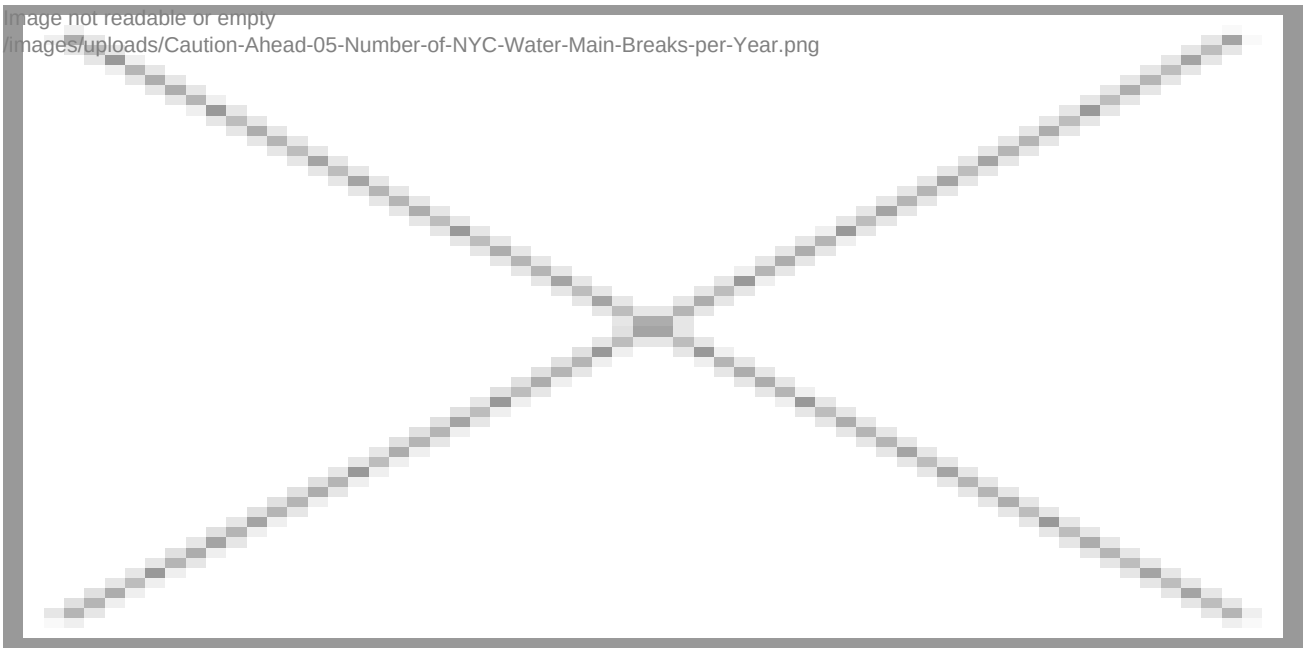
## Location of Active Sewage Overflows into New York Harbor, By Severity (Type 1 = Most Severe)

| Type of Outfall | Staten Island | Brooklyn | Queens | Manhattan | Bronx | Total |
|---|---|---|---|---|---|---|
| Tier 1 | 0 | 3 | 6 | 0 | 4 | 13 |
| Tier 2 | 0 | 6 | 6 | 0 | 3 | 15 |
| Tier 3 | 2 | 7 | 9 | 15 | 10 | 43 |

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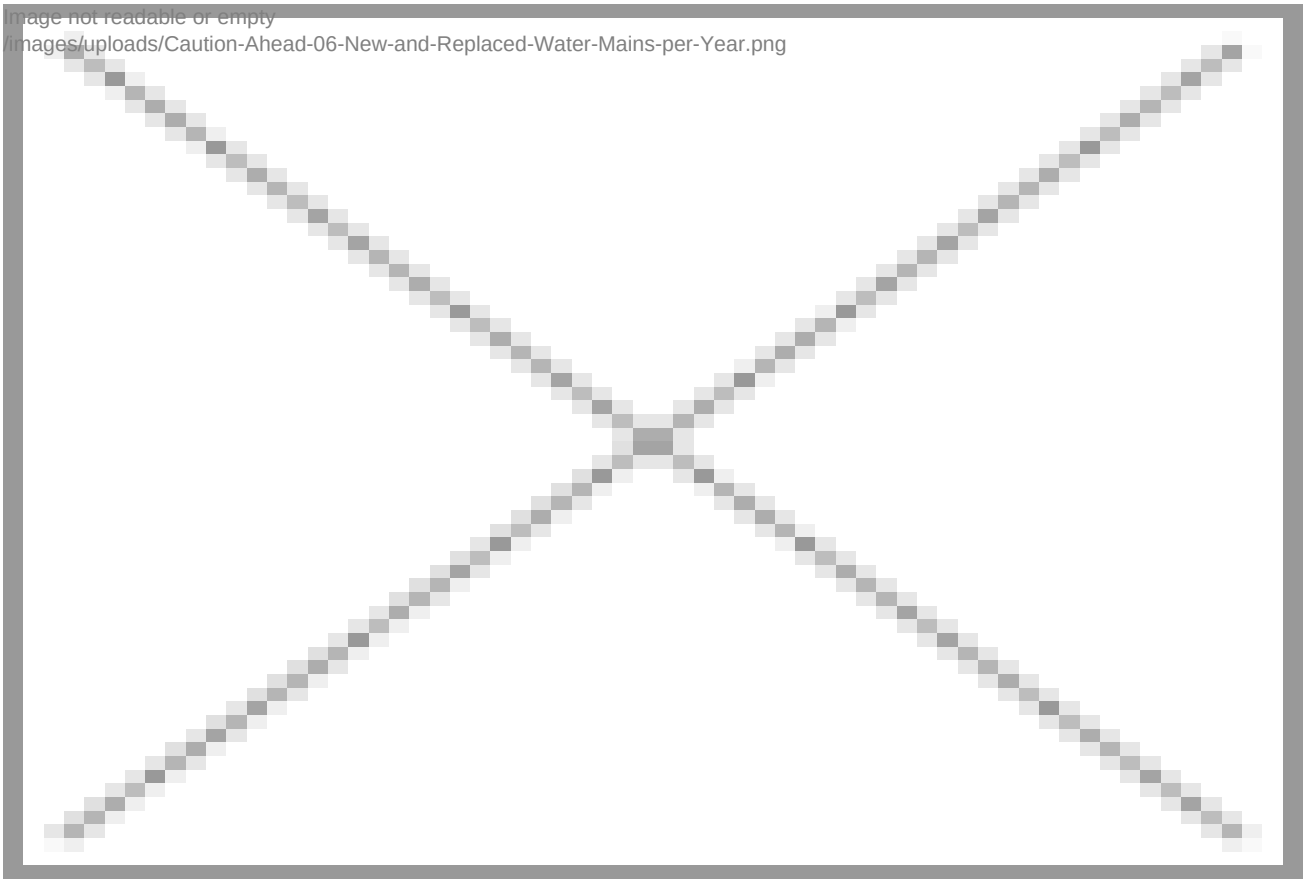
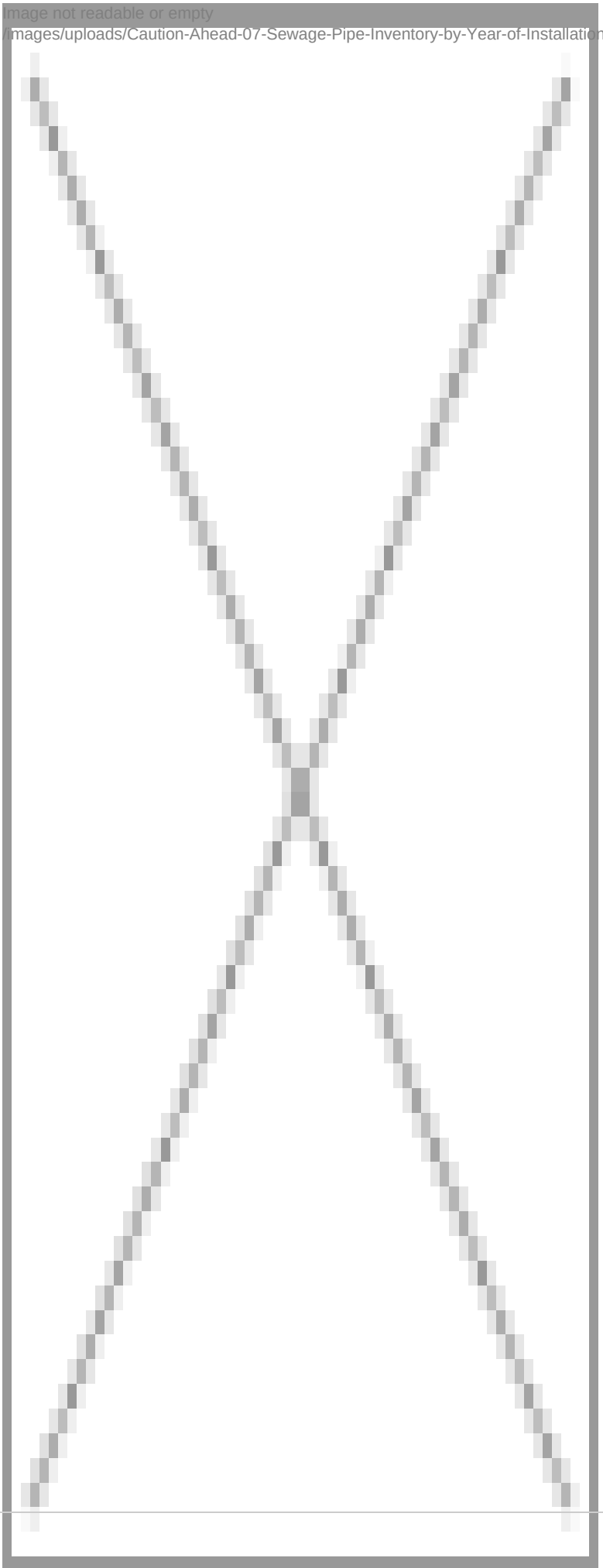

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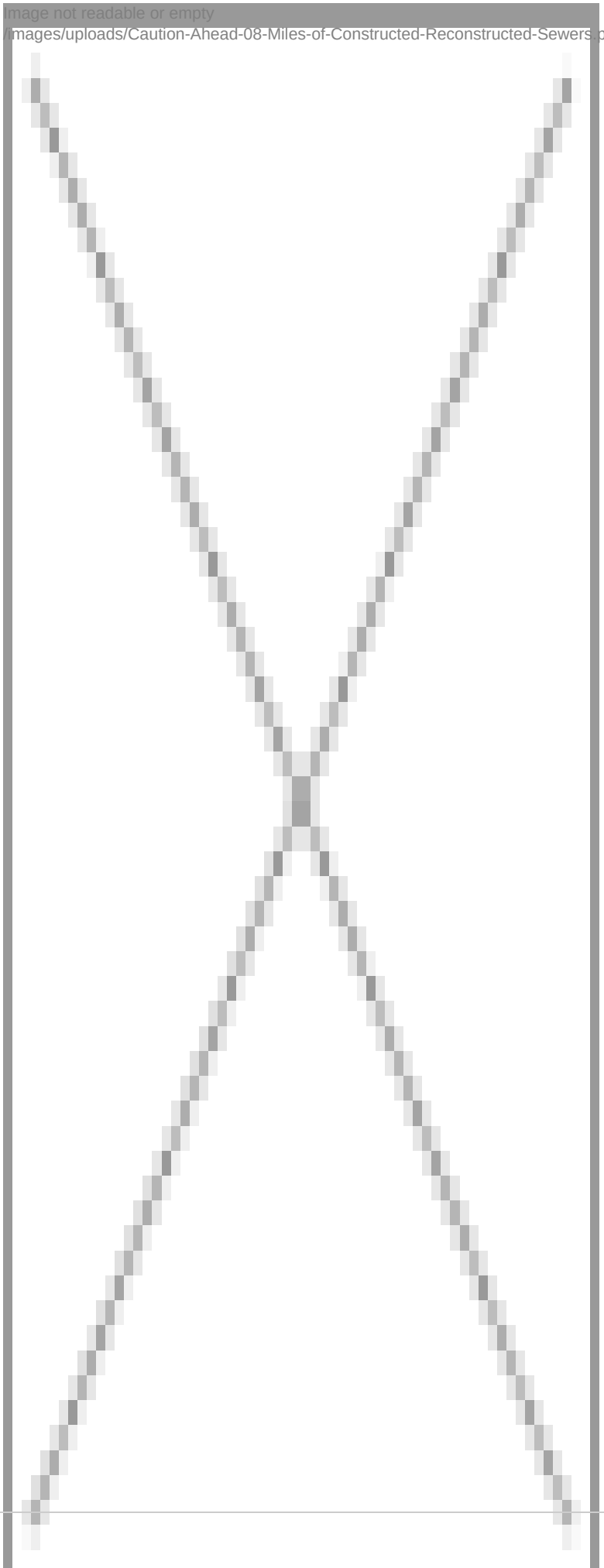
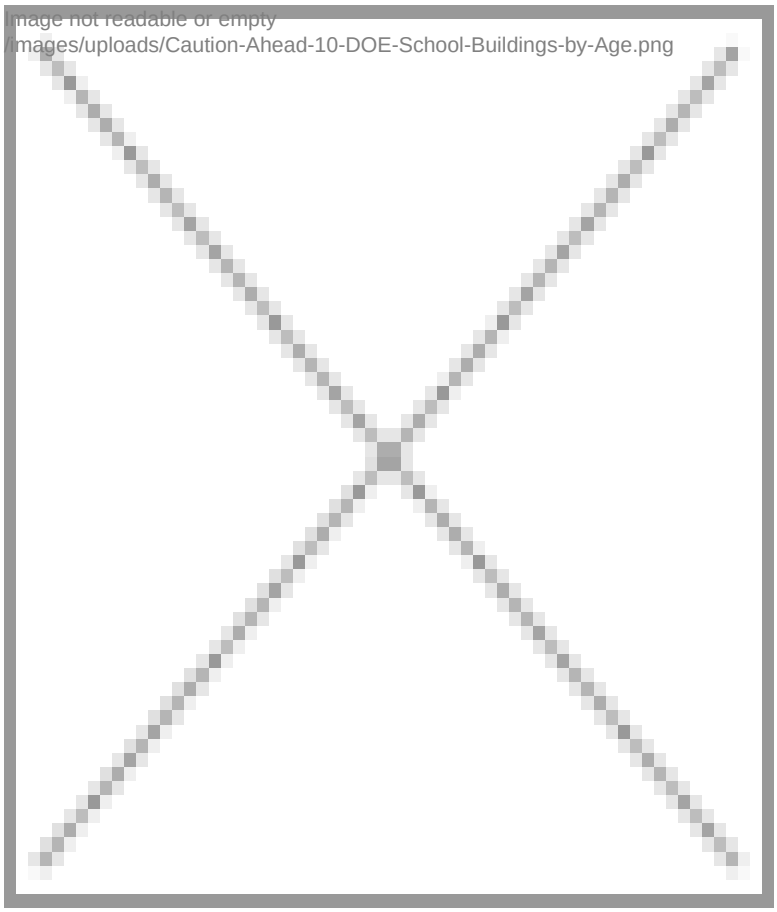

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## Aging Public Buildings and Spaces

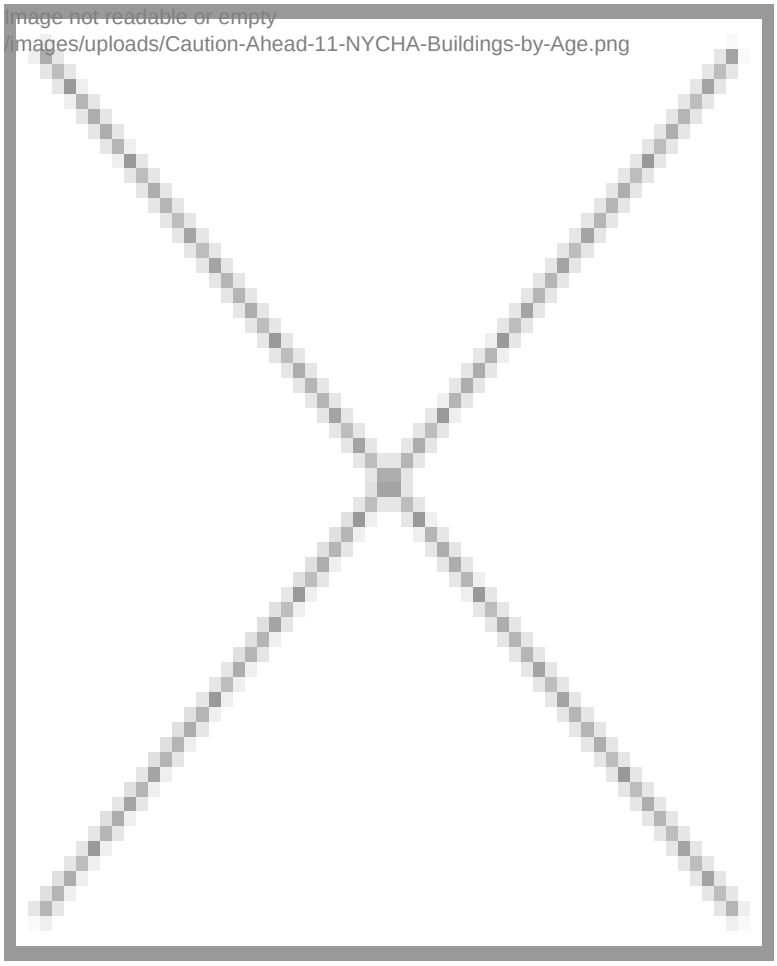
| | Number of Buildings | Average Year Built |
|---|---|---|
| HHC Hospital Buildings | 103 | 1957 |
| CUNY Buildings | 295 | 1961 |
| DOE School Buildings | 1,179 | 1948 |
| NYPD Precinct Houses | 49 | 1952 |
| City-Owned Court Buildings | 23 | 1943 |
| DHS Homeless Shelters | 55 | 1943 |

| | | |
|---|---|---|
| NYCHA Developments | 2,596 | 1963 |




## Repairing Aging Schools: Capital Needs vs Funding Committed, by Borough

| Borough | Average Year Built | Capital Needs FY2014-17 | Dollars Committed | % Committed |
|---|---|---|---|---|
| Bronx | 1953 | $253,638,400 | $39,648,464 | 16% |
| Brooklyn | 1942 | $466,260,300 | $71,403,022 | 15% |
| Manhattan | 1947 | $234,655,800 | $52,106,135 | 22% |
| Queens | 1951 | $258,427,400 | $43,563,789 | 17% |
| Staten Island | 1949 | $75,681,400 | $13,497,652 | 18% |
| Grand Total | 1948 | $1,290,484,600 | $220,219,062 | 17% |




## NYCHA Capital Needs, By System (2011-2016)

| Category | Building System |
|---|---|
| Apartment | $7,589,395,862 |
| Architectural | $6,702,844,647 |
| Electrical | $217,035,495 |
| Mechanical | $1,171,173,158 |
| Building Grounds | $892,498,929 |
| Total | $16,572,948,091 |

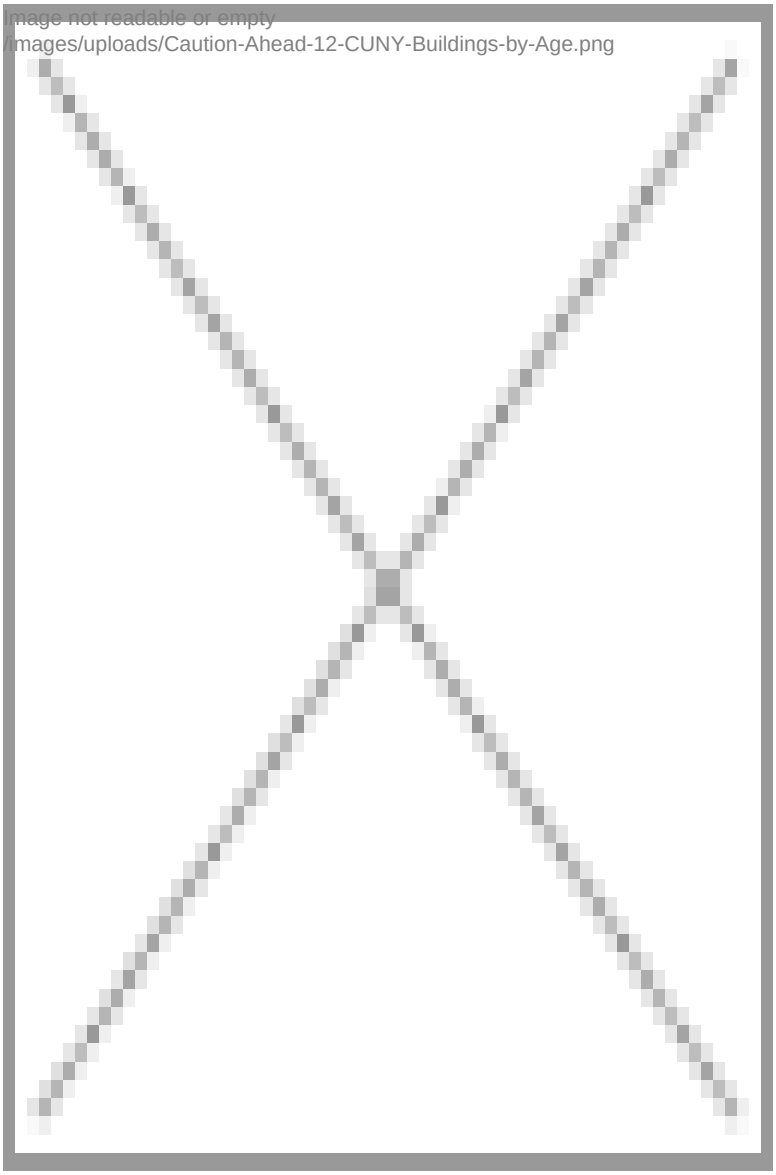
## 10 NYCHA Developments in the Worst Condition

| Development | Borough | Score |
|---|---|---|
| Butler | Bronx | 39 |
| Red Hook I (East) | Brooklyn | 42 |
| Morrisania | Bronx | 44 |
| Lower East Side II | Manhattan | 46 |
| Murphy | Bronx | 46 |
| Albany I & II | Brooklyn | 47 |
| Van Dyke I | Brooklyn | 48 |
| Castle Hill | Bronx | 49 |
| FHA Repossesed Houses V | Queens | 50 |
| Andrew Jackson | Bronx | 51 |

## NYCHA Developments with Greatest Façade Needs (2011-2016)

| Development | Borough | Capital Needs |
|---|---|---|
| Pomonok | Queens | $124,375,134 |
| Ravenswood | Queens | $108,482,664 |
| Breukelen | Brooklyn | $96,795,137 |
| Williamsburg | Brooklyn | $93,880,399 |
| Queensbridge South | Queens | $89,341,132 |
| Marcy | Brooklyn | $88,494,261 |
| Edenwald | Bronx | $80,770,819 |
| Queensbridge North | Queens | $73,497,817 |
| Castle Hill | Bronx | $72,118,946 |
| Sotomayor | Bronx | $70,885,992 |

| | | |
|---|---|---|
| Patterson | Bronx | $70,002,441 |




## CUNY Deferred Capital Maintenance by Institution (millions of dollars)

| Institutions | 2007 Backlog | 2012 Backlog | Difference |
|---|---|---|---|
| Baruch College | 58.0 | 36.0 | (22.0) |
| Brooklyn College | 136.1 | 245.9 | 109.8 |
| City College of New York | 337.5 | 438.4 | 100.9 |

| | | | |
|---|---|---|---|
| CUNY School of Law | 11.1 | 9.1 | (2.0) |
| The Graduate Center | 0.0 | 0.0 | 0.0 |
| Hunter College | 220.8 | 271.7 | 50.9 |
| John Jay College of Criminal Justice | 51.0 | 85.2 | 34.2 |
| Lehman College | 34.8 | 31.7 | (3.1) |
| William E. Macaulay Honors College | 2.1 | 4.0 | 1.9 |
| Medgar Evers College | 50.2 | 78.9 | 28.7 |
| NYC College of Technology | 134.5 | 105.9 | (28.6) |
| Queens College | 147.1 | 243.3 | 96.2 |
| College of Staten Island | 49.5 | 61.9 | 12.4 |
| York College | 38.5 | 135.0 | 96.5 |
| Senior College Subtotal | 1271.2 | 1747.0 | 475.8 |
| Borough of Manhattan Community College | 65.2 | 85.2 | 20.0 |
| Bronx Community College | 100.6 | 175.4 | 74.8 |
| Hostos Community College | 29.4 | 23.9 | (5.5) |
| Kingsborough Community College | 29.6 | 43.6 | 14.0 |
| LaGuardia Community College | 154.8 | 233.5 | 78.7 |
| Queensborough Community College | 85.9 | 169.2 | 83.3 |
| Community College Subtotal | 465.5 | 730.8 | 265.3 |
| Grand Total | 1736.7 | 2477.8 | 741.1 |

## Parks Department Seawalls

| Borough | Capital Needs FY2014-17 | Total Committed | % Committed |
|---|---|---|---|
| Bronx | $7,341,900 | $1,908,181 | 26% |
| Brooklyn | $6,753,000 | $0 | 0% |

| | | | |
|---|---|---|---|
| Manhattan | $15,893,700 | $6,409,931 | 40% |
| Queens | $7,432,100 | $272,852 | 4% |
| Staten Island | $6,295,700 | $134,964 | 2% |
| NYC | $43,716,400 | $8,725,928 | 20% |

## City Shelters in Need of Repair

| | Buildings | Average Year Built | Capital Needs FY2014-17 | External Architecture | Sum of Dollars Committed | Percent Funded |
|---|---|---|---|---|---|---|
| Bronx | 12 | 1957 | $5,889,000 | $2,319,600 | $3,486,593 | 59% |
| Brooklyn | 21 | 1937 | $12,738,300 | $4,440,900 | $326,491 | 3% |
| Manhattan | 16 | 1933 | $30,650,300 | $16,223,000 | $3,714,429 | 12% |
| Queens | 5 | 1962 | $953,800 | $449,900 | $210,967 | 22% |
| Staten Island | 1 | 1937 | $48,700 | $0 | $0 | 0% |
| NYC | 55 | 1943 | $50,280,100 | $23,433,400 | $7,738,480 | 15% |

## City Courthouses with the Largest Funding Gaps

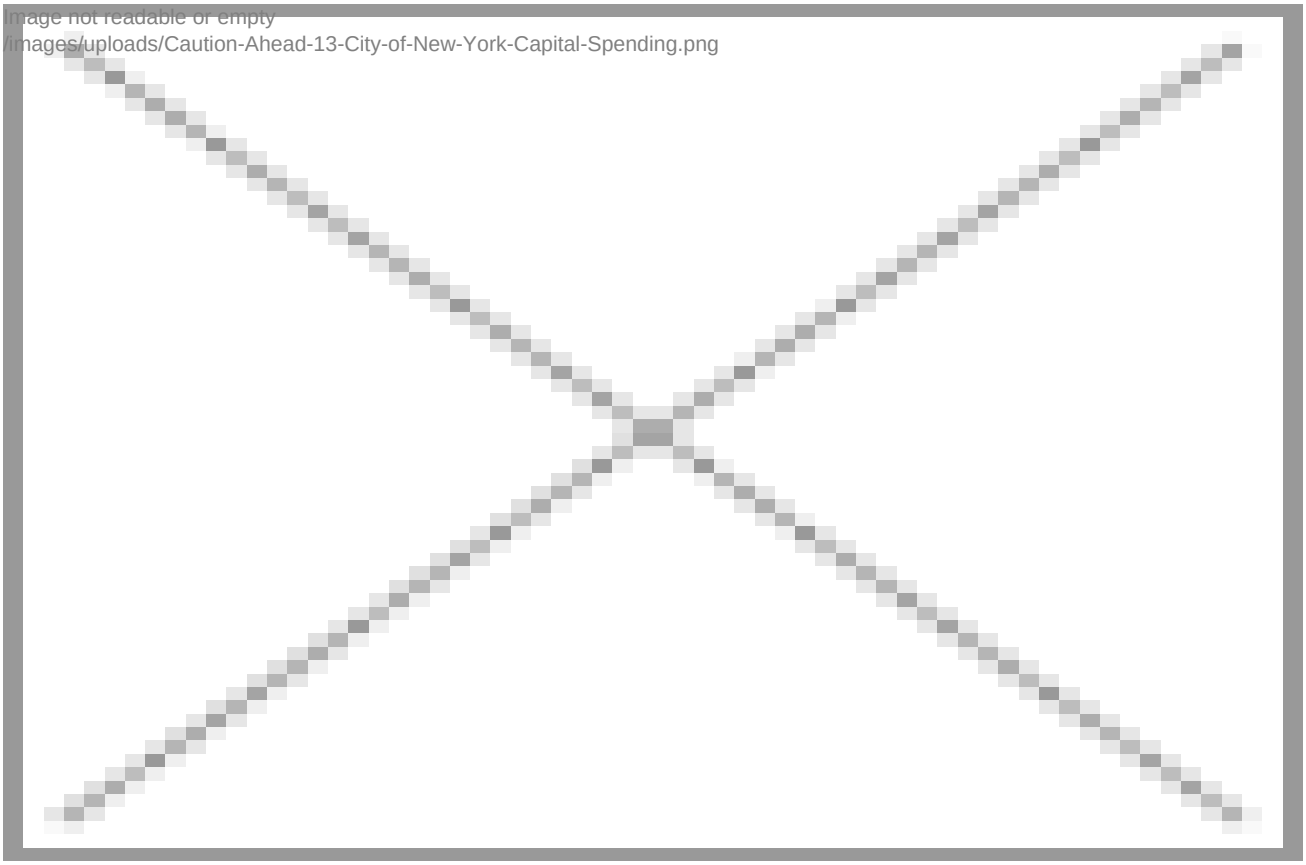
| Court | Built | Capital Needs FY2014-17 | Dollars Committed | Funding Gap |
|---|---|---|---|---|
| Manhattan Criminal Courts Building | 1938 | $10,043,900 | $477,908 | $9,565,992 |
| Bronx County Courthouse | 1933 | $5,541,000 | $1,148,788 | $4,392,212 |
| Bronx Hall of Justice | 2003 | $3,173,800 | $0 | $3,173,800 |
| Manhattan Supreme Court | 1925 | $3,234,500 | $573,424 | $2,661,076 |
| Queens Criminal Courts | 1961 | $3,074,200 | $866,501 | $2,207,699 |
| Queens Civil/Housing Court | 1997 | $2,097,100 | $0 | $2,097,100 |

## City Courthouses in Need of Repair

| Borough | Average Year Built | Courts Surveyed | Capital Needs FY2014-17 | Dollars Committed | Funding Gap |
|---|---|---|---|---|---|
| Bronx | 1978 | 4 | $19,757,400 | $11,714,108 | $8,043,292 |
| Brooklyn | 1941 | 3 | $7,647,800 | $5,142,016 | $2,505,784 |
| Manhattan | 1926 | 7 | $20,886,700 | $5,217,697 | $15,669,003 |
| Queens | 1955 | 5 | $8,178,600 | $2,429,025 | $5,749,575 |
| Staten Island | 1927 | 4 | $1,186,900 | $112,733 | $1,074,167 |
| Grand Total | 1943 | 23 | $57,657,400 | $24,615,579 | $33,041,821 |

## Rikers Island Jails with over $10 million in Repair Needs

| Rikers Facility | State of Good Repair Needs | Dollars Committed 2014-2018 | Percent Funded |
|---|---|---|---|
| Anna M. Kross Center | $22,951,400 | $216,891 | 1% |
| Eric M. Taylor Center | $57,495,300 | $3,589,889 | 6% |
| George Motchan Detention Center | $10,708,000 | $376,556 | 4% |
| James A. Thomas Center | $34,544,000 | $0 | 0% |
| Otis Bantum Correction Center | $14,188,900 | $11,087,382 | 78% |
| Robert N. Davoren Center | $60,292,100 | $9,832,843 | 16% |
| Rose M. Singer Center | $12,312,300 | $5,201,548 | 42% |
| West Facility | $12,600,700 | $3,504,700 | 28% |




## Estimated Capital Needs and Funding Gap at 18 City Agencies

| Agency | Capital Needs FY2014-17 | Dollars Committed | Funding Gap |
|---|---|---|---|
| Department of Education | $1,316,169,000 | $224,484,914 | $1,091,684,086 |
| Department of Transportation | $3,192,417,000 | $2,402,590,000 | $789,827,000 |
| Dept. of Parks and Recreation | $471,151,000 | $81,225,000 | $389,926,000 |
| Department of Correction | $292,502,000 | $45,151,000 | $247,351,000 |
| Dept. of Small Business Services | $229,592,000 | $13,623,000 | $215,969,000 |
| Health and Hospitals Corporation | $282,014,000 | $97,329,000 | $184,685,000 |
| Department of Sanitation | $109,867,000 | $20,296,000 | $89,571,000 |
| Dept. of Citywide Admin. Services | $129,929,000 | $40,550,000 | $89,379,000 |
| Department of Cultural Affairs | $85,267,000 | $25,212,000 | $60,055,000 |
| Department of Homeless Services | $50,280,000 | $7,738,000 | $42,542,000 |

| | | | |
|---|---|---|---|
| Police Department | $59,708,000 | $24,500,000 | $35,208,000 |
| Fire Department | $18,585,000 | $3,337,000 | $15,248,000 |
| Dept. of Health & Mental Hygiene | $17,138,000 | $2,771,000 | $14,367,000 |
| Human Resources Administration | $9,145,000 | $1,436,000 | $7,709,000 |
| Department for the Aging | $1,528,000 | $292,000 | $1,236,000 |
| Division of Youth & Family Justice | $1,117,000 | - | $1,117,000 |
| Admin. for Children's Services | $1,053,000 | - | $1,053,000 |
| Taxi & Limousine Commission | $1,289,000 | $1,289,000 | - |
| Total | $6,268,751,000 | $2,991,823,914 | $3,276,927,086 |

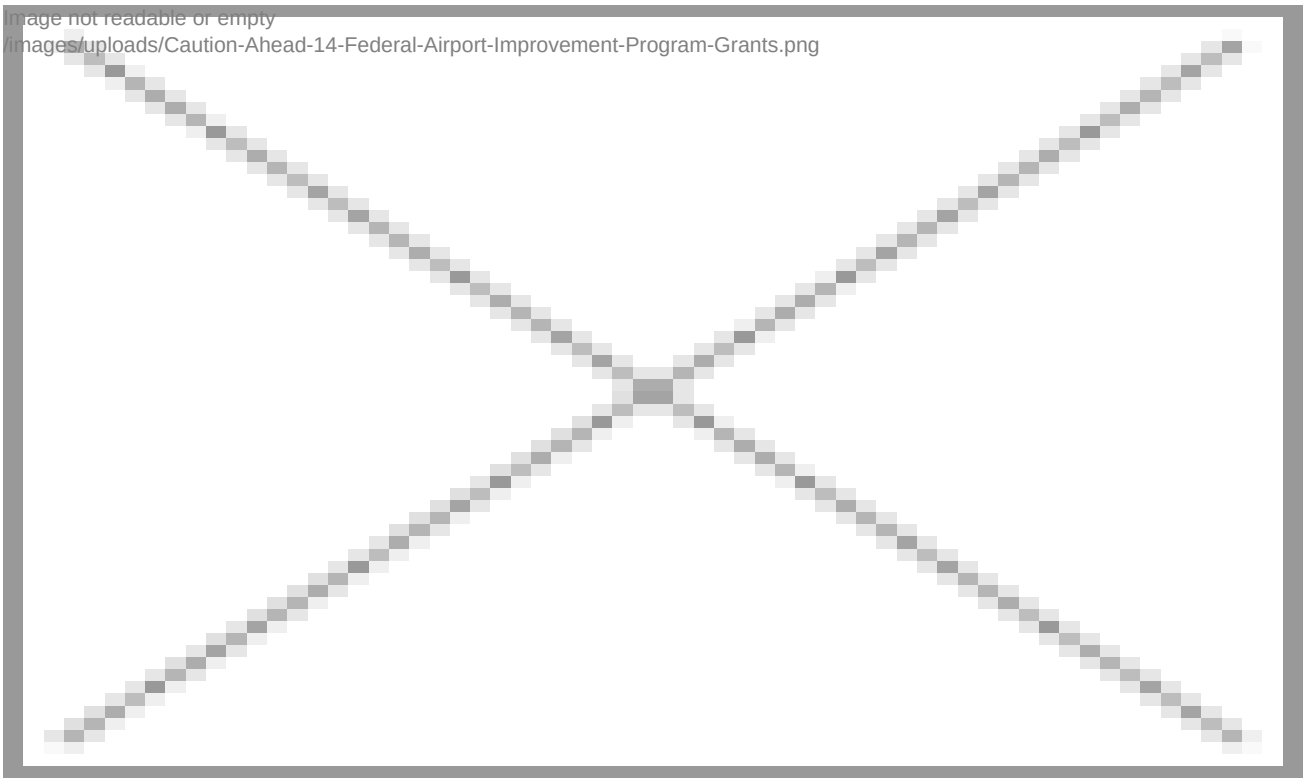
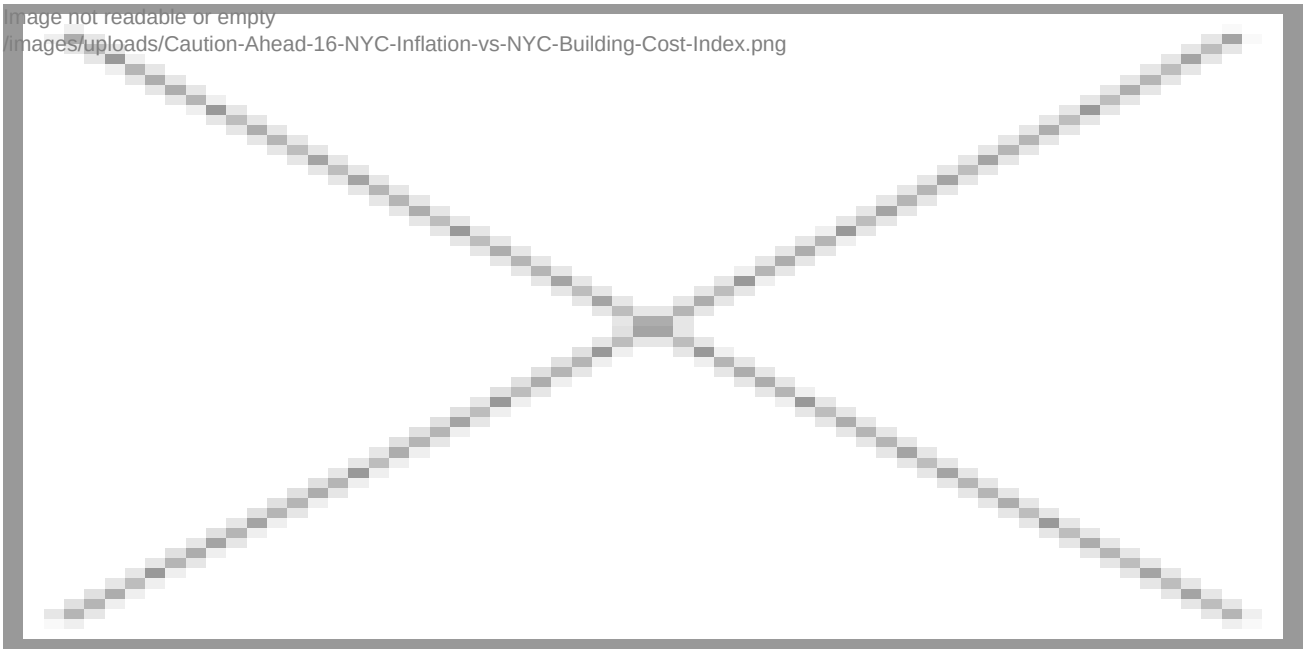



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/images/uploads/Caution-Ahead-16-NYC-Inflation-vs-NYC-Building-Cost-Index.png

| | Original Project | | Current Projection | |
|---|---|---|---|---|
| Project | Estimated Cost (in millions) | Completion Schedule | Estimated Cost (in millions) | Completion Schedule |
| South Ferry Terminal | $420 | April 2009 | $541 | February 2011 |
| Fulton Street Transit Center | $750 | July 2009 | $1,400 | June 2014 |
| Flushing Line Extension | $1,900 | June 2013 | $2,153 | June 2014 |
| Second Avenue Subway | $3,800 | June 2014 | $4,500 | December 2016 |
| East Side Access | $6,300 | August 2014 | $10,000 | 2021 |

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*Gotham Gazette*, by Peter Peyser, April 28, 2015

Report: $47B to Fix N.Y. City Infrastructure

*Bond Buyer*, by Paul Burton, March 11, 2014

Gone to potholes: Morningside Heights and West Harlem worst nabes in the city for poor road conditions

*New York Daily News*, by Michael J. Feeney and Beth Stebner, March 11, 2014

Derrumbe de dos edificios en el barrio latino de Harlem tras una explosión

*El Pais*, by Sandro Pozzi, March 12, 2014

Explosion in Harlem: how does a gas leak turn a building into rubble?

*The Verge*, by Arielle Duhaime-Ross, March 12, 2014

Op-ed: New York City Is Crumbling

*TIME*, by Adam Forman, March 13, 2014

New York building collapse death toll rises as search for victims continues

*The Guardian*, by Amanda Holpuch, March 13, 2014

8th Body Found in Rubble From East Harlem Explosion

*New York Magazine*, by Brendan O'Connor, March 14, 2014

New revenue streams needed to fix city's infrastructure, experts say

*amNewYork*, by Dan Rivoli, April 23, 2014

Why infrastructure matters: Rotten roads, bum economy

*Washington Examiner*, by Robert Puentes, January 19, 2015

Turf Wars Hinder Transit and Transport in New York

*The Bond Buyer*, by Paul Burton, May 19, 2015

City's infrastructure repair pegged at $47B

*Crain's New York Business*, by Thornton McEnery, March 11, 2014

Report: New York City's infrastructure needs $47 billion in repairs

*amNewYork*, by Dan Rivoli, March 12, 2014

Usa: esplosione a Manhattan, crollano due edifici: due morti e 24 feriti

*la Repubblica*, March 12, 2014

Blast levels two New York buildings; at least two dead

*The Globe and Mail*, by Joanna Slater, March 12, 2014

Revelan imágenes de cámara de seguridad sobre explosión en NY

*Univision*, March 15, 2014

Tragedy Exposes N.Y. City Infrastructure Woes

*Bond Buyer*, by Paul Burton, March 21, 2014

Panel: NYC Electeds Need to Get Serious About Funding Infrastructure

*Streetsblog*, by Stephen Miller, April 23, 2014

Massive Blizzard Exposes How Decrepit New York City's Infrastructure Is

*ThinkProgress*, by Alan Pyke, January 26, 2015

Can Wall Street-Friendly, Overly-Cautious Chuck Schumer Lead the Senate?

*New York Observer*, by Ross Barkan, May 26, 2015

NYC facing $47-billion repair bill

*Real Estate Weekly*, by Konrad Putzier, March 11, 2014

City needs $50B for infrastructure: study

*New York Post*, by Rebecca Harshbarger, March 12, 2014

Experts Discuss Report About City's Crumbling Infrastructure

*NY1's Inside City Hall*, March 11, 2014

Natural gas infrastructure a concern in Utah too

*Standard-Examiner*, by Andreas Rivera, March 12, 2014

Our Aging and Dangerous Urban Infrastructure

*Huffington Post*, by Steven Cohen, March 17, 2014

Blast exposes need to fix aging infrastructure

*Crain's New York Business*, by Thornton McEnery and Emily Laermer, March 16, 2014

Without Action From Cuomo, Subways Doomed to Endless State of Disrepair

*Streetsblog*, by John Petro, March 14, 2014

Congestion pricing plan gains actual momentum

*Capital New York*, by Dana Rubinstein, March 20, 2014

Obama's Infrastructure Plan Could Boost Aging NYC

*WFUV*, by Jeff Coltin, February 02, 2015

New York's Public School Students Sweat Out the End of the Semester

*New York Times*, by Noah Remnick, June 23, 2015

Report: Staten Island roads in grim shape as city needs $47 billion infrastructure boost

*Staten Island Advance*, by Jillian Jorgensen, March 11, 2014

NYC necesita $47,000 millones para arreglar infraestructura

*El Diario*, by Joaquín Botero, March 12, 2014

Report: NYC Infrastructure Is Crumbling

*Gothamist*, by Rebecca Fishbein, March 12, 2014

America's Gas Infrastructure Is Getting Dangerously Old

*TIME*, by Katy Steinmetz, March 12, 2014

East Harlem Explosion Sheds Light on City's Aging Infrastructure

*NY1*, by Bobby Cuza, March 13, 2014

The Leakiest Gas Pipes In The Nation

*WNYC*, by Robert Lewis, March 20, 2014

Op-ed: Our old infrastructure imperils housing push

*Crain's New York Business*, by Denise Richardson, June 01, 2014

Opinion: A Fast-Track Plan to Upgrade New York's Crumbling Infrastructure

*The Observer*, by Ted Randall, February 18, 2015

NY ignores infrastructure at its peril

*amNY*, by Liza Featherstone, August 20, 2015

Report: Our Infrastructure is Really Not Great

*WNYC's The Brian Lehrer Show*, March 11, 2014

City needs almost $50B in infrastructure repairs: report

*The Real Deal*, March 11, 2014

Harlem Tops List of Neighborhoods With Streets in Bad Shape

*DNAinfo*, by Jeff Mays, March 12, 2014

Explosion prompts a call for infrastructure spending

*Capital New York*, by Dana Rubinstein, March 12, 2014

Aging Park Avenue Gas Pipe Eyed as Possible Cause of Explosion

*Wall Street Journal*, by Andrew Tangel, March 12, 2014

Op-ed: The city, crumbling beneath our feet

*New York Daily News*, by Errol Louis, March 13, 2014

Explosion a Reminder of NYC's Aging Infrastructure

*Associated Press*, by David Crary, March 13, 2014

Video: Aging NYC: Uncovering the hidden dangers below, above and around us

*PIX11*, by Narmeen Choudhury, May 09, 2014

New Protocol Will Put FDNY on All Gas Leak Calls

*NY1*, by Josh Robin, June 18, 2014

Injuries as buildings collapse after blast at New York's East Village

*CNN*, by Ray Sanchez, March 27, 2015

#AskVinSI: How does the city plan its road paving schedule?

*Staten Island Advance*, by Vincent Barone, September 02, 2015

Report: Cuomo and de Blasio need to focus more on city infrastructure

*Capital New York*, by Dana Rubinstein, March 11, 2014

NYC Infrastructure Repairs Could Cost $47B Over 5 Years

*Law360*, by Linda Chiem, March 11, 2014

Councilman Says Explosion Exposes 'Dire Need' for Infrastructure Improvements

*New York Observer*, by Colin Campbell, March 12, 2014

More Details on East Harlem's Tragic Building Collapse

*Curbed*, by Zoe Rosenberg, March 12, 2014

Up Close: NYC Infrastructure

*ABC*, by Diana Williams, March 17, 2014

Dear America, Please Fix Your Crappy Infrastructure

*Fast Company*, by Shaunacy Ferro, March 14, 2014

Rescue workers reach basement of NYC blast site

*Al Jazeera America*, March 15, 2014

Op-ed: Rep. Charles Rangel: For Too Long, Congress Has Ignored Infrastructure

*TIME*, by Rep. Charles Rangel, March 14, 2014

Analyzing New York's Aging Infrastructure

*Metrofocus | THIRTEEN*, by Marisa Wong, April 30, 2014

Aspirin for NYC's growing pains

*New York Daily News*, by Josh Robin, August 11, 2014

Six scary facts about New York City's ancient gas lines

*Fusion*, by Rob Wile, March 26, 2015

Early dismissal for some schools Wednesday due to excessive heat

*ABC New York*, by A.J. Ross, September 09, 2015

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