Transportation in the Age of Climate Change
resilient [ri-zil-yuhnt] adj.

1. Able to bounce back after change or adversity
2. Capable of preparing for, responding to, and recovering from difficult conditions

Even as the people of the city focused on recovery and the destruction it had wrought across five boroughs, it became clear that relief and disaster response to this disaster. It was critical for the city to turn simultaneously to the future and prepare—not just for “the next Sandy,” and just for hurricanes and storm surge. It was essential to redouble the broader preparations for climate change begun with PlaNYC.

December 2012, Mayor Bloomberg delivered a speech announcing a major new effort to build the city for the future. A Stronger, More Resilient New York is the response to the city’s call to action. The nearly $20 billion contained in this report (towards which the federal government has committed $10 billion) will contribute up to $1 billion in new buildings in which New Yorkers live and work, and infrastructurally support the entire city, including our energy grid, transportation systems, parks, telecommunications networks, healthcare system, and water and food supplies. Meanwhile, for the areas of New York that Sandy hit especially hard, this plan proposes local rebuilding initiatives that will help these communities emerge safer, stronger, and better than ever.

We must come together again with an even stronger commitment to slow the progress of climate change while simultaneously preparing for the changes already evident around us and those yet to come.

If we embrace this plan today, we will be positioned to meet the challenges that climate change may bring tomorrow, and all the years ahead. If we take action now, we will make New York City stronger, safer, and more resilient—not only for our own benefit, but for the benefit of future generations of New Yorkers.

The time has come to make our city even tougher.
Hurricane Sandy’s Impact

Flooding damaged traffic signals at 700 intersections
60 Lane miles of roadways were severely damaged

500 Lane miles of roadways sustaining minor damage
Critical Transportation Networks

8.6 million daily public transit riders

4.2 million drivers

and 1 million airport passengers
Proactive Planning
COORDINATION and TALENT
Future 100-Yr Flood Zones for New York City

using high-estimate 90th percentile projections of sea-level rise

- 2020s 100-Year Flood Zone (11" Sea Level Rise)
- 2050s 100-Year Flood Zone (31" Sea Level Rise)
- FEMA 100-Year Flood Zone (June 2013)
- Major Roads and Highways

USE DATA and RESEARCH to inform design
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