145th Street in Harlem has the potential to serve as a model corridor for adaptations to climate change. The corridor has many cultural resources and outdoor recreational areas to encourage healthy and sustainable community life. Soft sites on this corridor make it a target for development.

The Mayor's office has an objective of building 165,000 units of affordable housing units within the five boroughs. With the additional projected increase in population, the supporting infrastructure comes into question. Can the existing systems support the influx of new inhabitants living in these areas?

The affordable housing expansion provides a sufficient number of units to meet population increase. In the 145th street corridor, there is an opportunity to incorporate meetings with local community and planning groups. This research initiative will focus on the 145th street in the community of Harlem. The intent is to visualize the community's concern with the projected growth plan envisioned for this mixed use corridor. Issues regarding zoning, uses, services, housing and transportation will be researched. Understanding the bridges and gaps between private and governmental agencies and how they relate to the community at large can be synthesized. How can these questions require further research into the capital improvement plans the city and other agencies propose. We have collected documentation to incorporate meetings with local community and planning groups.

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Future development along the 145th Street corridor should promote walkability and appropriate density. Eliminating vacant storefronts and providing appropriate lighting will increase safety. Streetscaping will improve urban form and will better air quality. Green roofs and porous pavements will also help with air quality as well as preventing sewer overflows.

The Hamilton Coop
The Langston
The Laramie
Riverside Park
Sugar Hill Historic District
The Hamilton Ballroom
Bunny Theater
145th Street Corridor: a model for adaptation to global warming

Carbon emissions from transportation and residential energy usage are degrading air quality across the nation as well as contributing to global warming. NYC's density and transit system helps keep the city's per capita emission rate lower than many other American cities. Future development should build upon this model to encourage transit usage and walkability in NYC.

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