

## ENVIRONMENTAL IMPACT STATEMENT – ANALYSIS TOPICS

### *Two Bridges Large Scale Residential Development*

The Environmental Impact Statement (“EIS”) will describe the three new projects that are proposed for the Two Bridges Large Scale Residential Development. Following guidance in the *City Environmental Quality Review Technical Manual*, the EIS will consider the environmental effects of the projects during construction and upon their expected occupancy in 2021. If these effects are anticipated to result in significant adverse environmental impacts, as defined under the *Manual*, measures to mitigate the impacts will be identified.

It is anticipated that the EIS will include studies of the following environmental topics:

#### **Community Facilities and Services**

- Considers how the projects may affect public schools, publicly-funded childcare centers and libraries.
- *Public Schools*: Identifies schools serving the project area and discusses the current enrollment levels. Considers whether additional students from the new buildings may cause overcrowding.
- *Publicly-Funded Child Care*: Identifies publicly-funded child care and Head Start facilities within approximately 1.5 miles of the project area and describes each facility. Considers whether additional children from the new buildings and eligible for publicly-funded child care may cause overcrowding.
- *Libraries*: Identifies libraries in the area and determines whether the libraries have sufficient resources to serve additional residents of the new buildings.

#### **Open Space**

- Studies the parks and other public open spaces within a half-mile of the project area.
- Considers whether the projects will renovate or eliminate any portion of open spaces in the area, and whether residents of the new buildings may cause overcrowding at existing open spaces.

#### **Shadows**

- Studies shadows from the projects during representative days, including days when the longest shadows will be cast and during the peak of growing season.
- Examines how shadows from the projects may affect the use of parks and other public open spaces, trees and vegetation, and sunlight-sensitive features of historic buildings (e.g., stained glass windows).

#### **Historic and Cultural Resources**

- Identifies historic buildings and structures in the area.
- Considers whether any historic buildings or structures will be directly affected by the projects and how their surroundings may change.
- Determines whether the project sites are likely to contain archaeological resources. If so, an archaeological study and a plan for monitoring or testing would be prepared.

### **Urban Design and Visual Resources**

- Describes how the projects would change the built environment.
- Illustrates how pedestrian views would be affected in the area as well as from the Brooklyn waterfront.

### **Socioeconomic Conditions**

- Considers whether the projects could cause increases in rent levels in nearby buildings that are not subject to rent regulation, and therefore, could affect area residents.
- Although the projects will not directly displace businesses and will not include a significant amount of commercial development, considers whether the projects would have significant negative effects on area businesses.

### **Hazardous Materials**

- Studies the types and levels of contamination in the soil and groundwater at the sites, as well as any hazardous materials within the buildings that would be renovated.
- Considers how contamination could be affected during construction.
- Outlines any measures that would be necessary to protect area residents and workers.

### **Water and Sewer Infrastructure**

- Studies how sewage and stormwater would be managed in the project area.
- Considers whether additional sewage and stormwater from the projects may significantly affect sewer systems in the area.

### **Transportation**

- Considers how the projects may affect traffic, parking, pedestrians and public transportation (i.e., buses and subways) during the busiest times of day.
- Provides detailed estimates of the number of pedestrians and vehicles that would travel to and from the project sites.
- *Traffic:* Studies intersections in the area to consider how the projects may affect traffic.
- *Public Transportation:* Considers how additional transit trips caused by new residents may affect the East Broadway subway station, the F subway line and nearby bus routes (i.e., M22 and M15).
- *Pedestrians:* Considers how the projects may affect pedestrian movements at nearby intersections.
- *Parking:* Studies whether the projects may result in a shortage of parking spaces in parking garages and lots in the area.

### **Air Quality**

- Considers how additional vehicles traveling to and from the projects sites may affect air quality, and whether certain pollutant levels may significantly increase at nearby intersections.
- Studies how exhaust from the buildings' mechanical systems may affect air quality.

- Considers how pollution from vehicles may affect residents of the new buildings living within 200 feet of the FDR Drive.
- Predicts pollutant levels from the proposed parking garage.

### **Greenhouse Gas Emissions and Climate Change**

- Estimates greenhouse gas emissions from the projects.
- Considers whether the projects would be consistent with the City's greenhouse gas reduction goals.
- Assesses potential effects of climate change on the proposed projects, focusing on potential flooding in the project area.

### **Noise**

- Identifies measures necessary to ensure that noise levels within the new buildings are acceptable.
- If the projects would have the potential to substantially increase traffic, assesses how the increase in traffic would affect noise levels in the area.

### **Public Health**

- In case the EIS finds that the projects would result in a significant adverse impact on air quality, water quality, hazardous materials or noise, which cannot be mitigated, studies the potential effects on public health.

### **Neighborhood Character**

- Neighborhood character is defined by the various elements that give a neighborhood its distinct "personality."
- Considers how the combined effects of the projects on traffic, noise, urban design, etc., may affect neighborhood character.

### **Construction Impacts**

- Describes how construction activities may affect area transportation systems, air quality and noise.

### **Land Use, Zoning, and Public Policy**

- Assesses the proposed projects' consistency with land use, zoning, and public policies, including the City's Waterfront Revitalization Program.

*Note: Based on the guidelines in the City Environmental Quality Review Technical Manual, it is not expected that the projects would have the potential to affect natural resources, solid waste and sanitation services, specific industries or energy systems, and it is not anticipated that these topics will be studied in the EIS.*