



World Trade Center Transportation Hub Permanent World Trade Center PATH Terminal and Pedestrian Connections

ENVIRONMENTAL REVIEW PROCESS

Scoping Meeting

October 8, 2003 and October 9, 2003

 United States Department of Transportation
Federal Transit Administration




THE PORT AUTHORITY OF NY & NJ

Introduction

Lower Manhattan Recovery Projects

- Route 9A Project
- Fulton Street Transit Center
- South Ferry Terminal
- Permanent WTC PATH Terminal

- WTC Memorial and Site Development

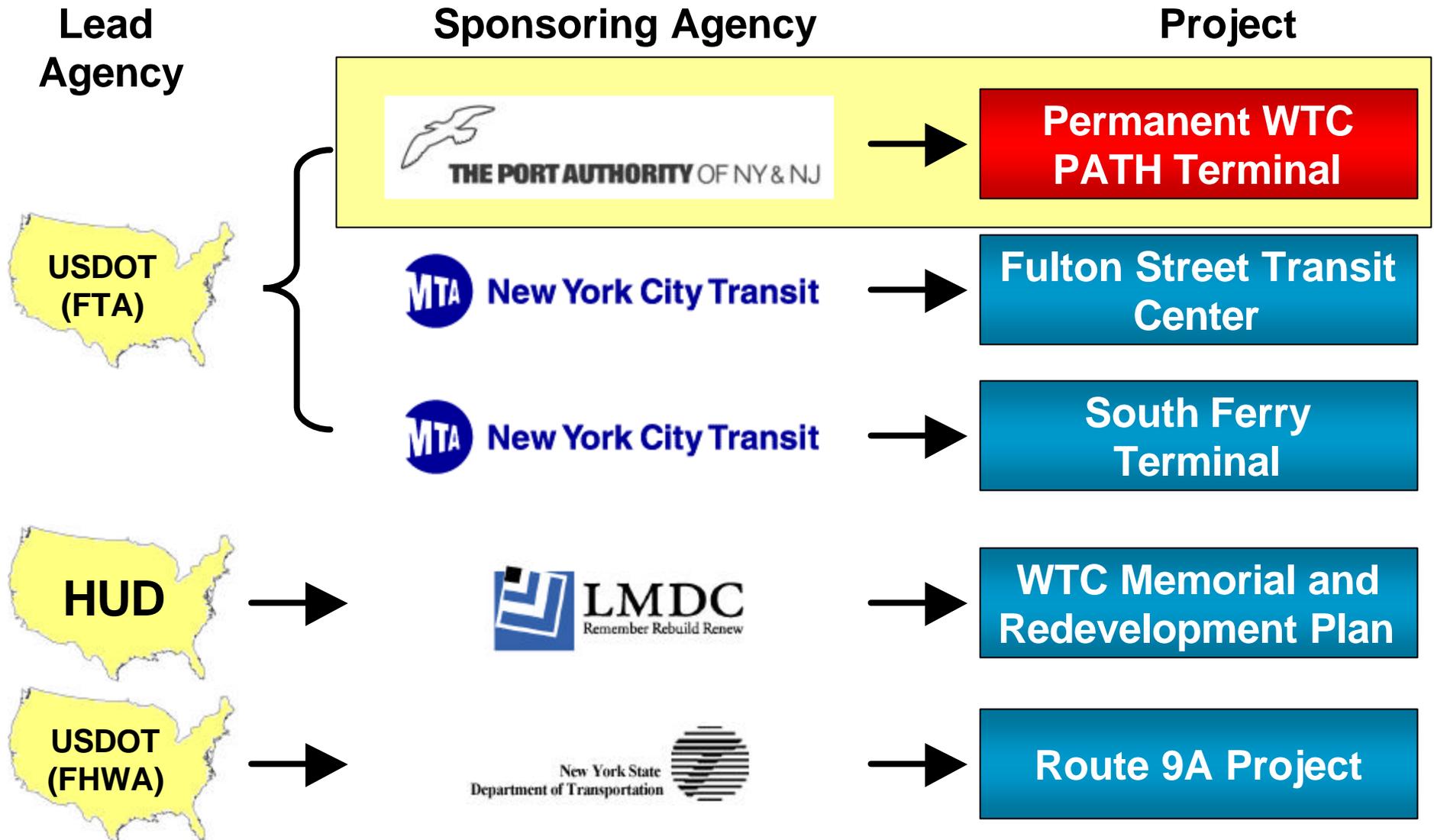




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Introduction

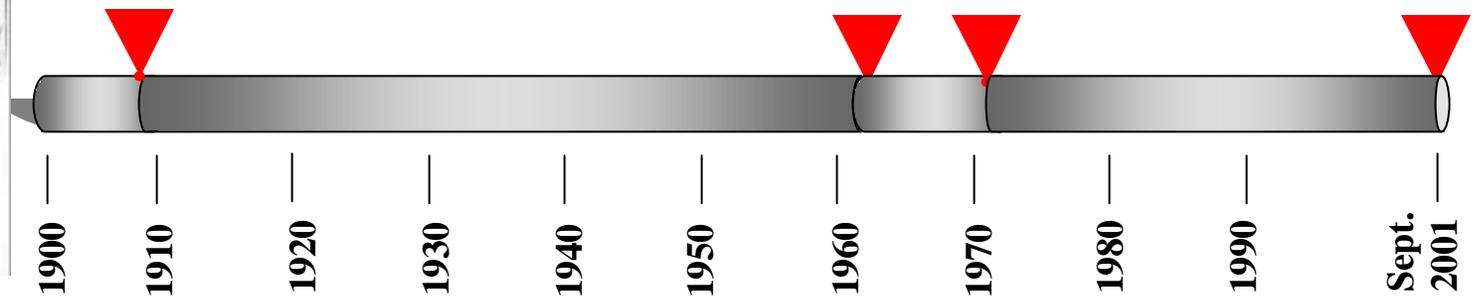
Lower Manhattan Recovery Projects



PATH System Overview

History of WTC PATH Terminal

- 1908 Hudson & Manhattan (H&M) Railroad Service to Lower Manhattan Opens
- 1962 PANYNJ acquires H&M Railroad and renews system (PATH)
- 1971 WTC PATH Terminal Opens
- September 11, 2001 WTC PATH Terminal Destroyed and Exchange Place Station taken out of service



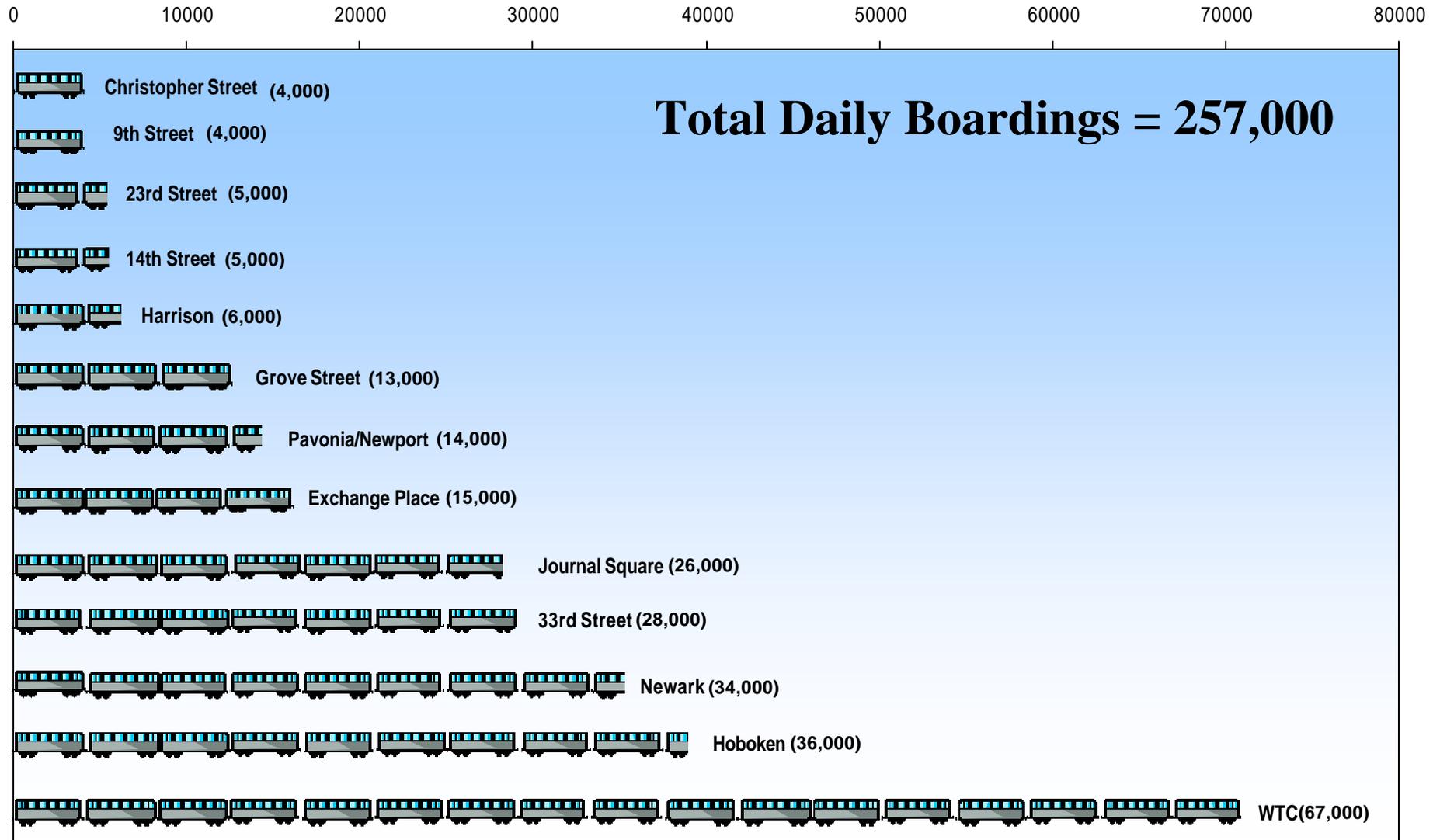
PATH System Overview

Pre-September 11, 2001 PATH System



PATH System Overview

Pre-September 11, 2001 Daily Boardings by Station



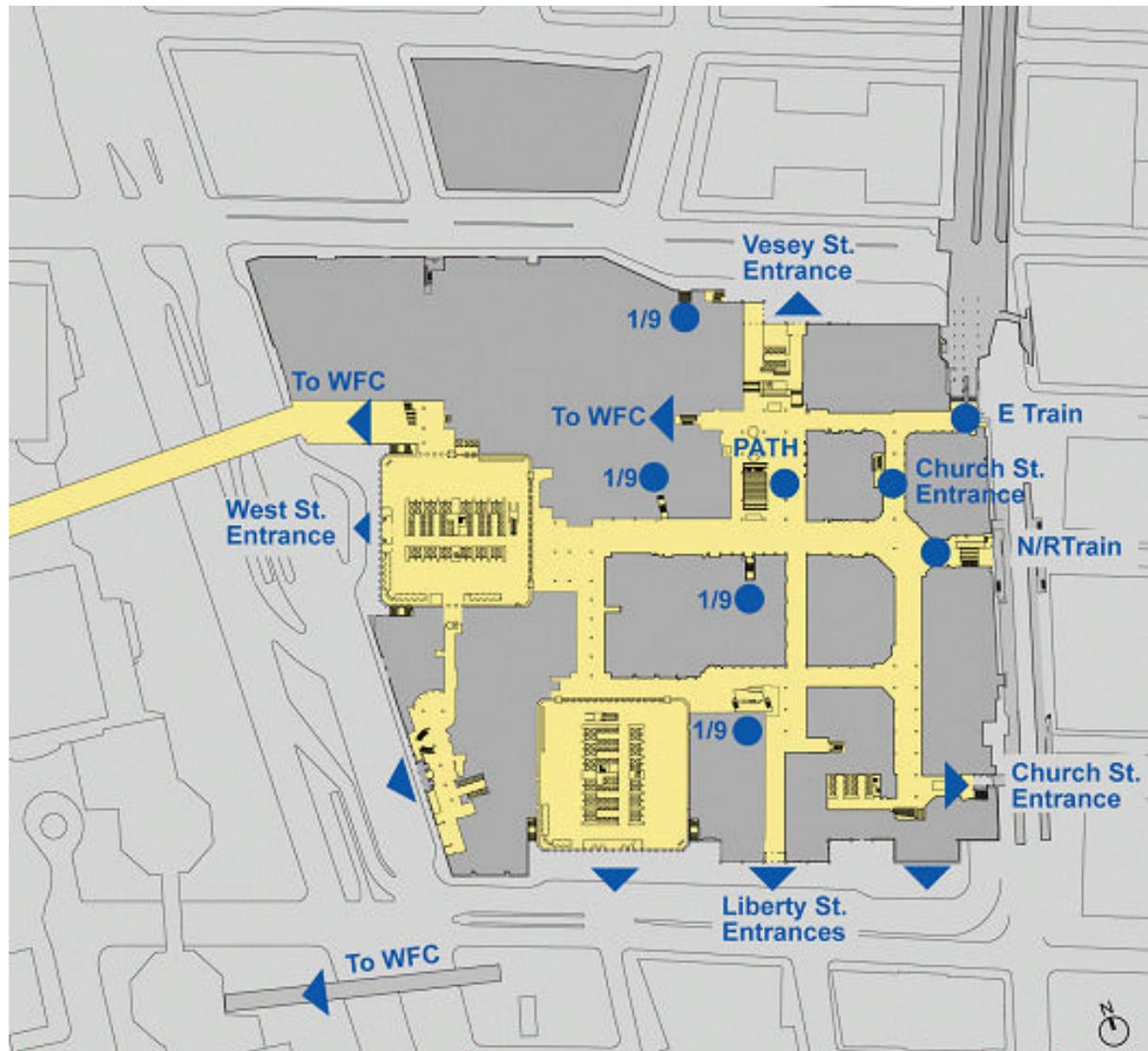
PATH System Overview

Impacts of Disrupted Manhattan PATH Service

- Increased crowding on New Jersey Transit, Ferry, and uptown PATH services
- Increased commute time
- More transfers
- Increased commute cost



Pre-September 11, 2001 WTC PATH Terminal (Concourse Level)

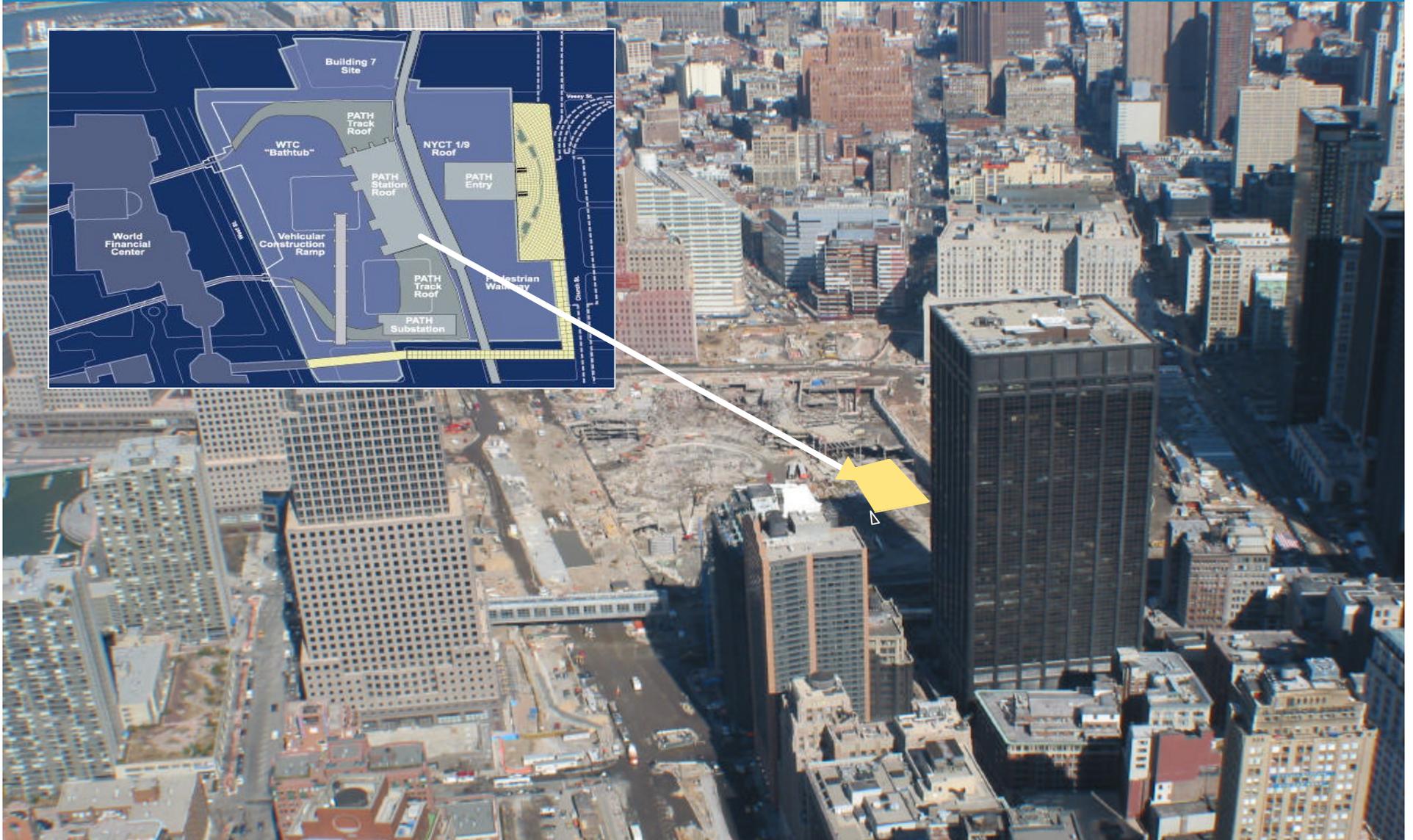


Pre-September 11, 2001 WTC PATH Terminal



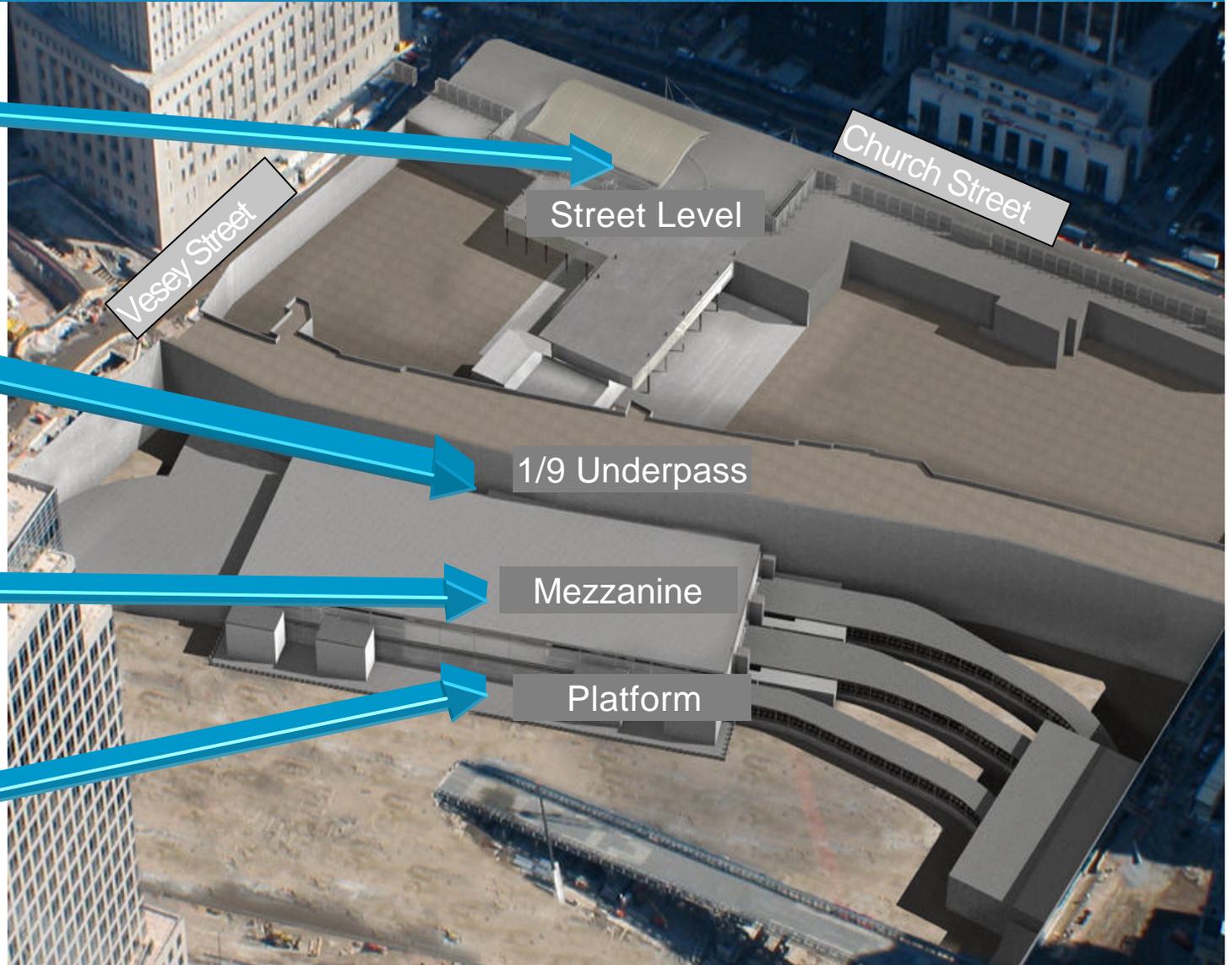
Temporary WTC PATH Station

Site Overview



Temporary WTC PATH Station

Station Elements



Vesey Street

Church Street

Street Level

1/9 Underpass

Mezzanine

Platform

Permanent WTC PATH Terminal

Project Goals and Objectives

- Effectively Restore Long-Term PATH Service Between New Jersey and Lower Manhattan
- Establish an Intermodal Transportation Facility in Lower Manhattan
- Plan and Construct a Terminal that would Support the Future WTC Site Development.
- Minimize Adverse Impacts to the Environment

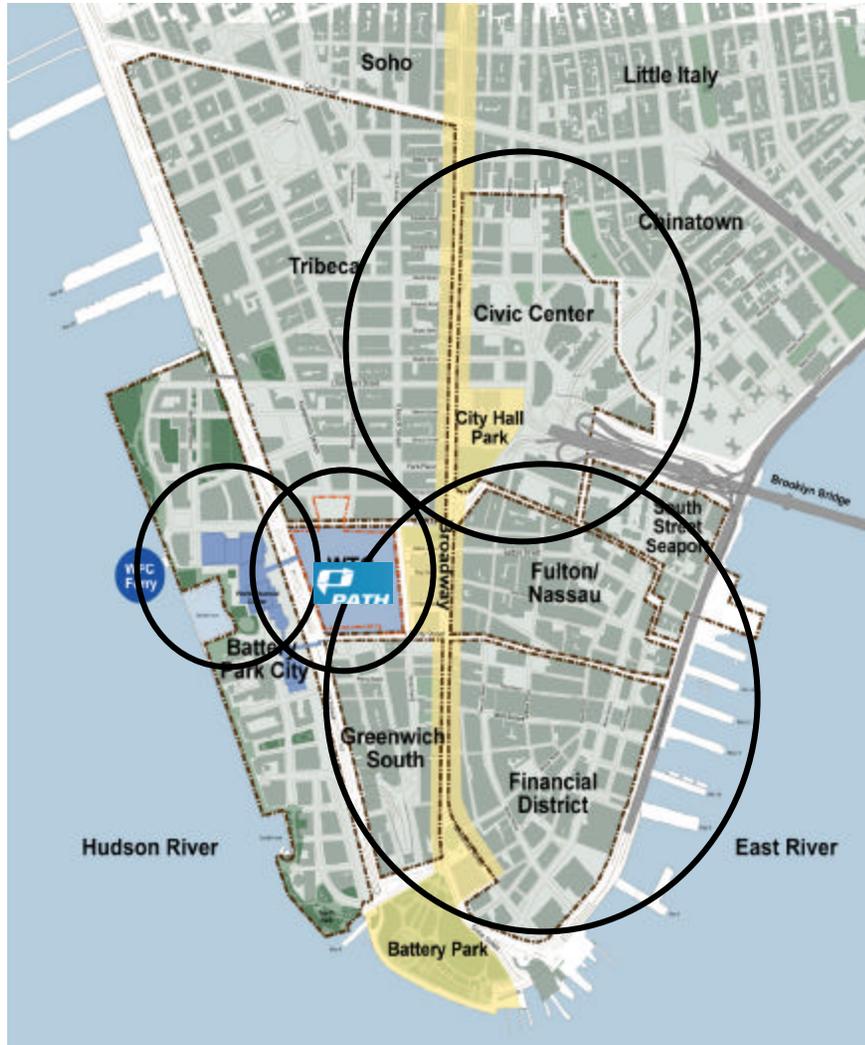




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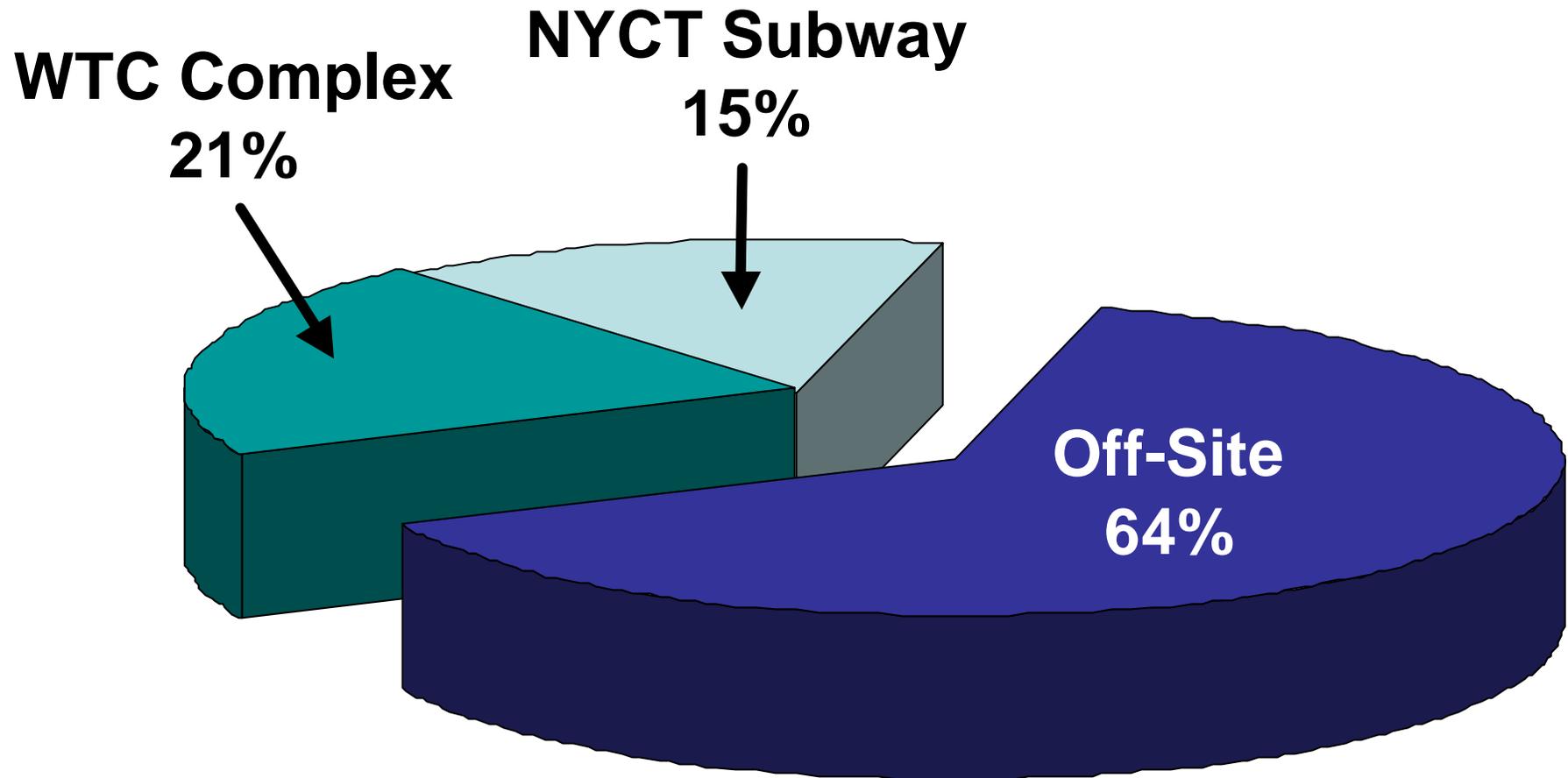
Permanent WTC PATH Terminal

Location and Transit Connections



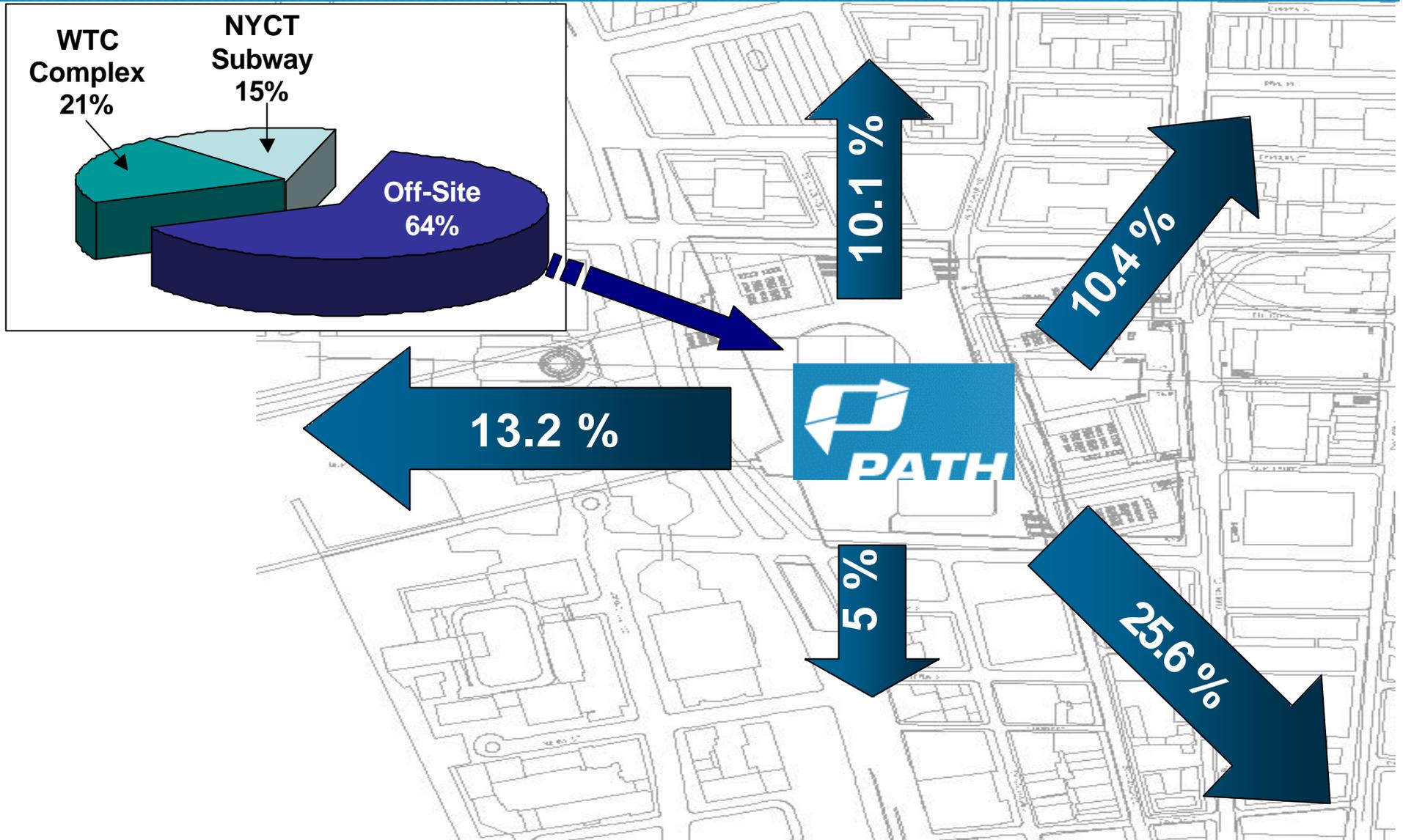
Permanent WTC PATH Terminal

Characteristics of NJ PATH Commuters (Pre – 9/11)



Permanent WTC PATH Terminal

Characteristics of NJ PATH Commuters (Pre – 9/11)



Permanent WTC PATH Terminal

Key Comparisons

	Pre – 9/11	Temporary	Permanent
Pedestrian Usage	<ul style="list-style-type: none"> - 150,000 total pedestrians - 67,000 PATH passengers per day (over 140,000 daily trips) 	<ul style="list-style-type: none"> - 50,000 total pedestrians - 50,000 PATH passengers per day (over 112,000 daily trips) 	<ul style="list-style-type: none"> - 250,000 total pedestrians - 81,000 PATH passengers per day (over 175,000 daily trips by 2020)
Operations	Three 10-car platforms, five tracks	Three 8-car platforms, five tracks	Four 10-car platforms, five tracks
Pedestrian Connections	<p>Subways (1/9, N/R, A/C/E, 2/3)</p> <p>WTC Complex, WFC Complex, all streets</p>	<p>Subways (N/R, A/C/E, 2/3)</p> <p>Church Street only</p>	<p>Subways (1/9, N/R, A/C/E, 4/5, J/M/Z, 2/3)</p> <p>WTC Complex, WFC Complex, all existing and new streets</p>
Interior Environments	Heated, Air-conditioned	Weather protection only	Heated, Air-conditioned, easier navigation

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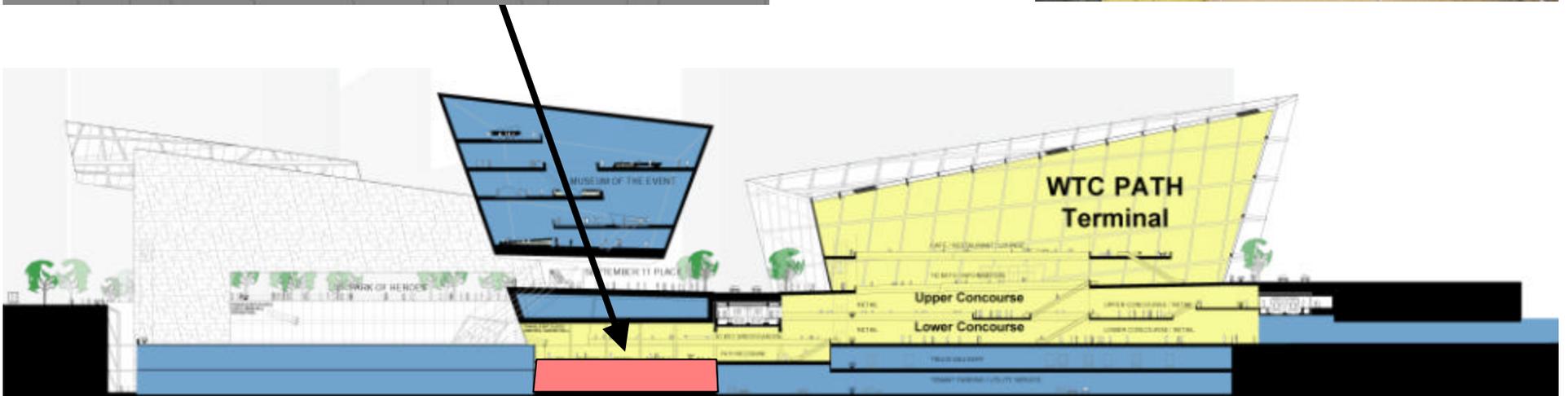
Permanent WTC PATH Terminal

Preliminary Terminal Plans

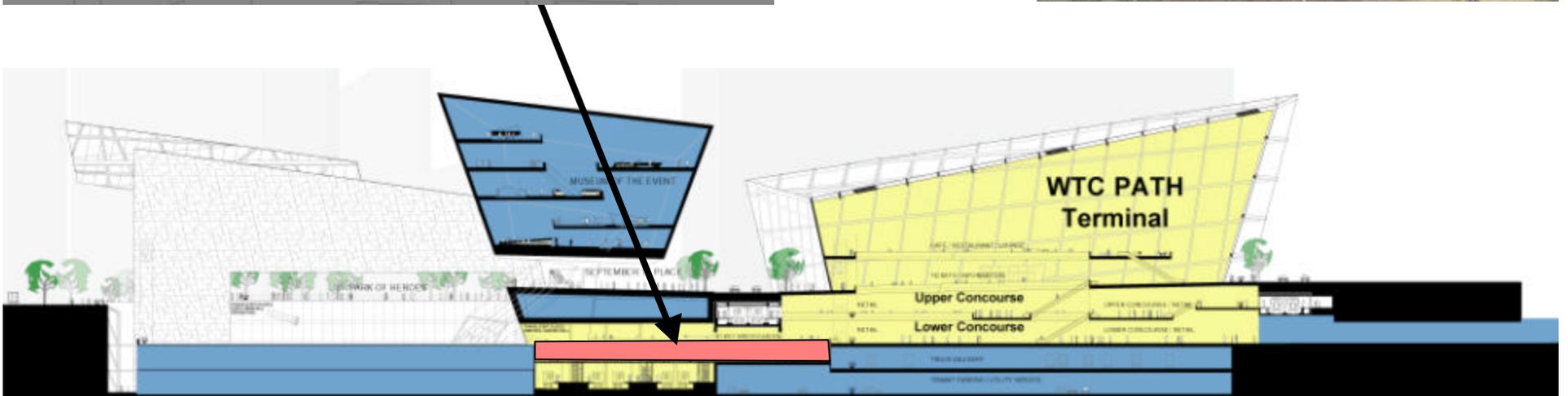
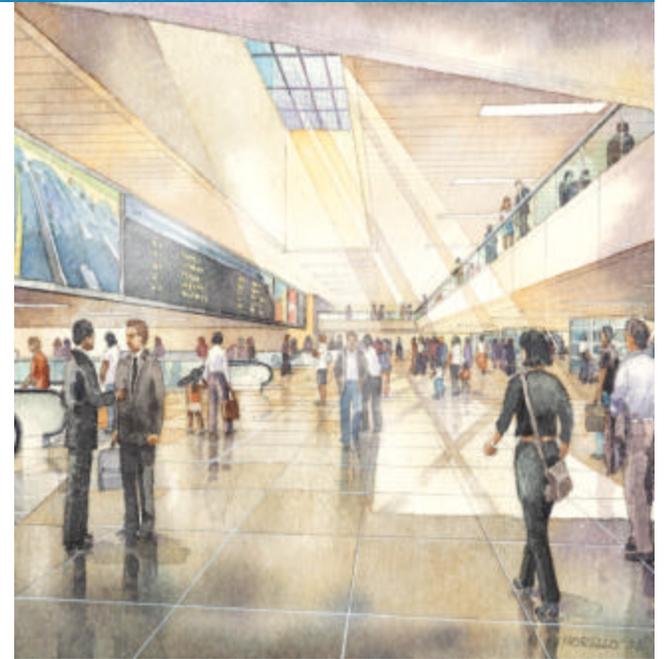
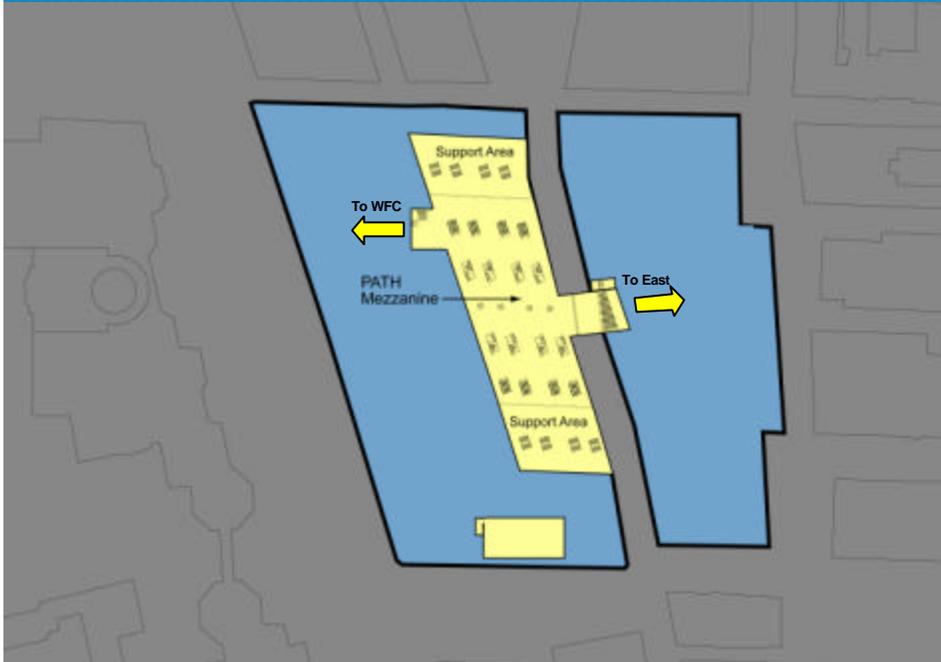


Permanent WTC PATH Terminal

Platform Level

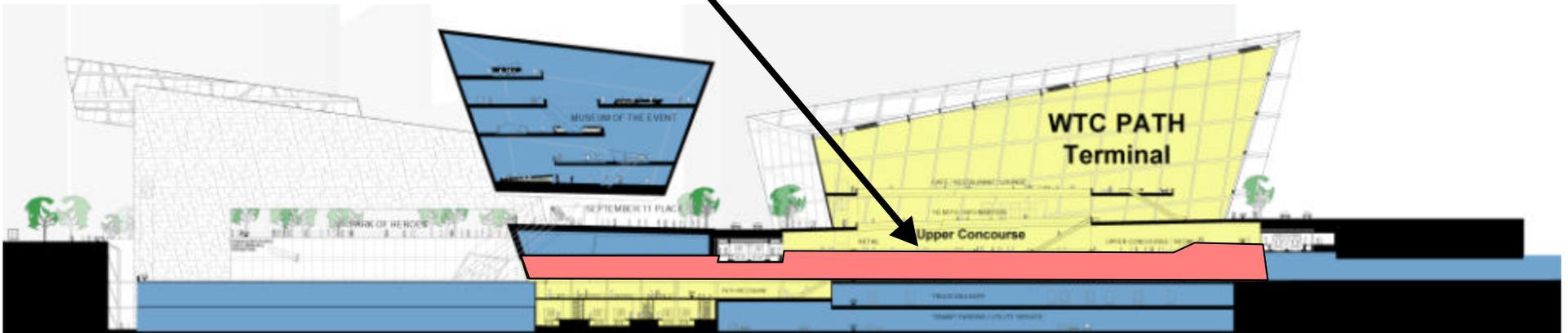


Permanent WTC PATH Terminal Mezzanine Level



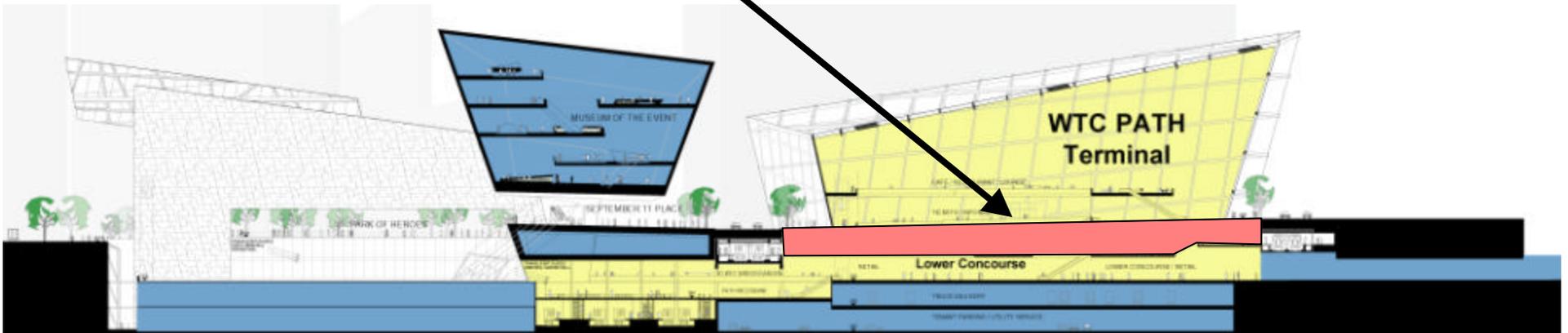
Permanent WTC PATH Terminal

Lower Concourse Level



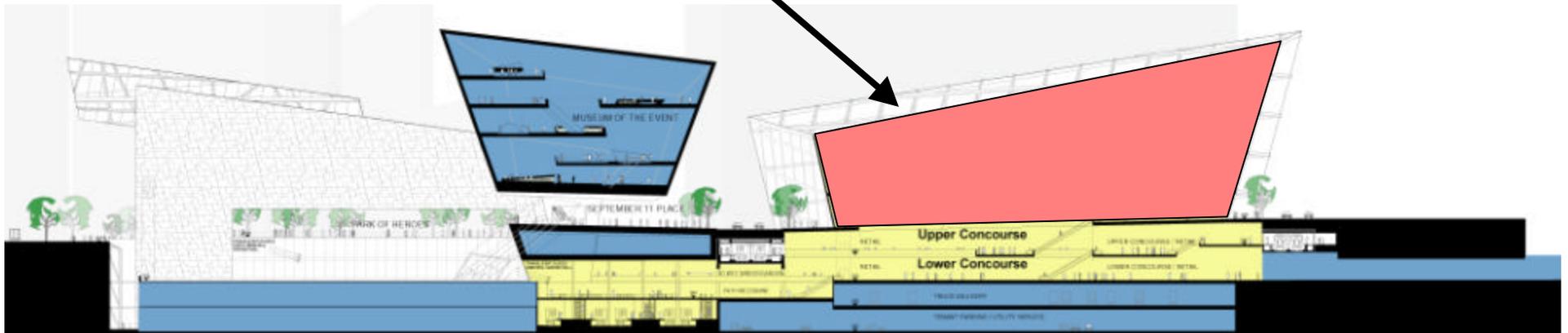
Permanent WTC PATH Terminal

Upper Concourse Level



Permanent WTC PATH Terminal

Street Level



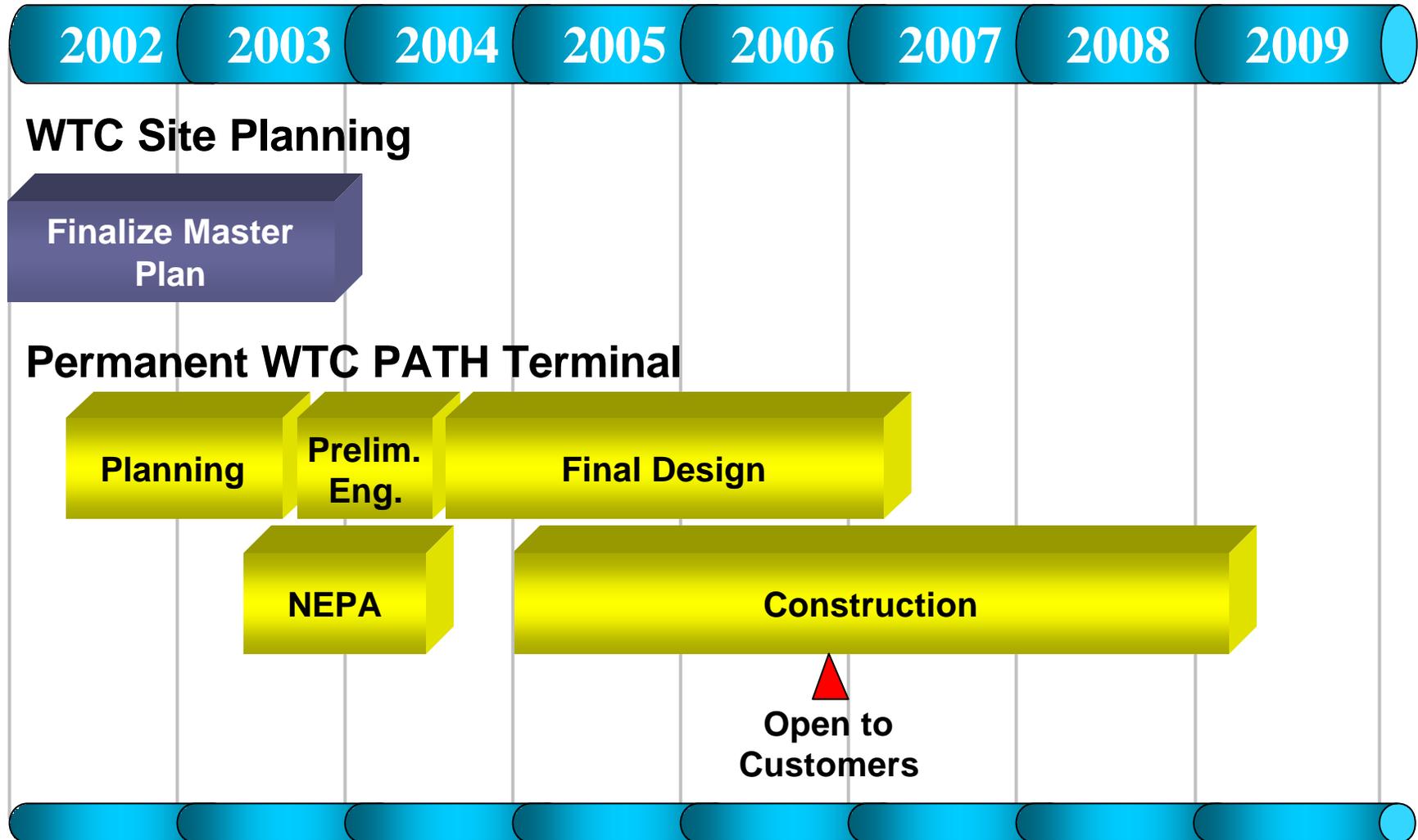
Permanent WTC PATH Terminal

Other Design Criteria

- Security
- Sustainable / “Green” Design
- Architectural Design Guidelines



Permanent WTC PATH Terminal Project Schedule



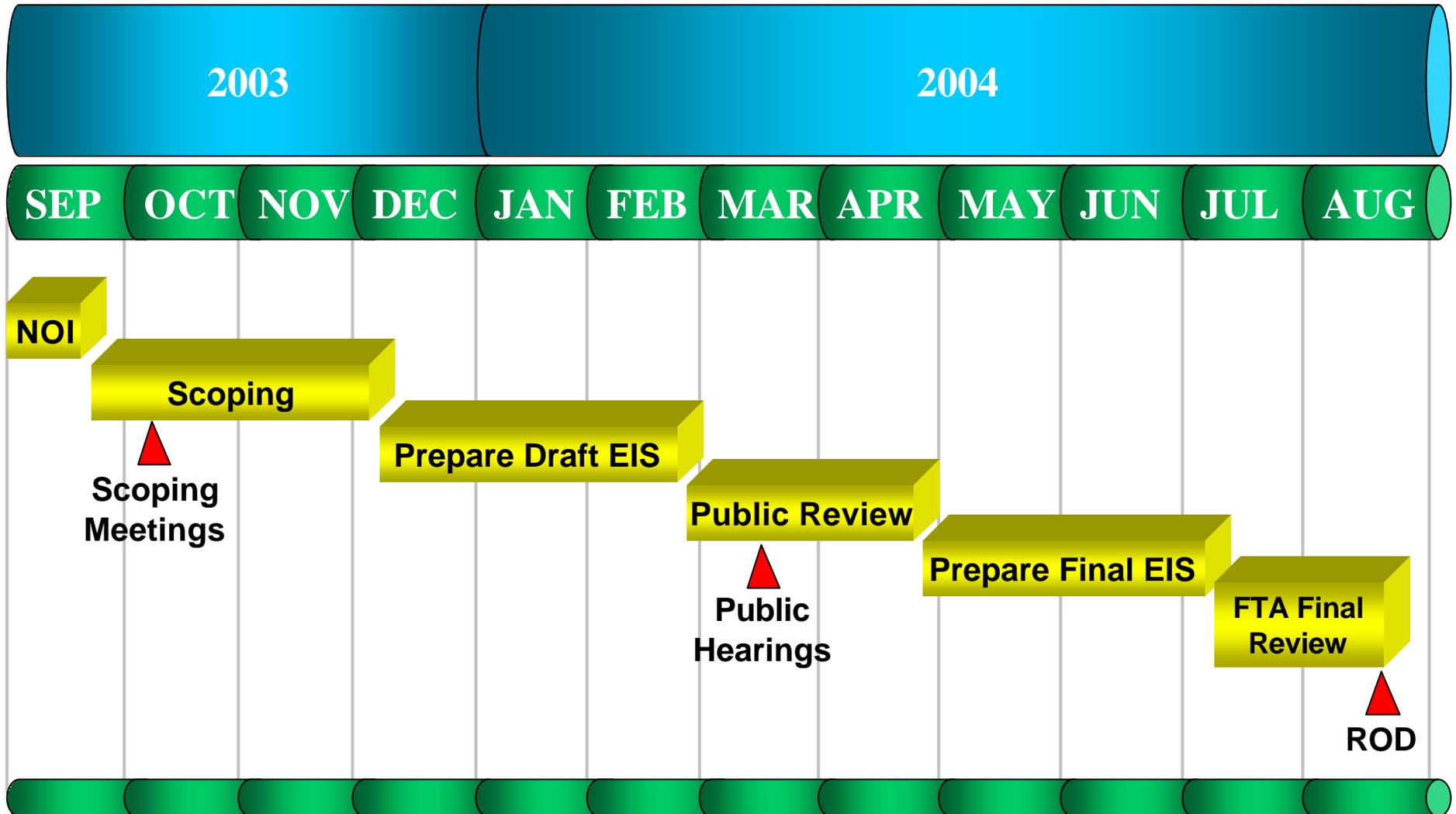
Permanent WTC PATH Terminal

Coordination with Adjacent Projects

- Dey Street connection to Fulton Street Transit Center
- West Street Pedestrian Underpass
- Other WTC Site Redevelopment



Permanent WTC PATH Terminal Environmental Process Schedule



Permanent WTC PATH Terminal

Environmental Analysis Framework

- Coordination of Environmental Analysis among PA, MTA, NYSDOT, LMDC, and NYC
- Agreement on Environmental Performance Commitments (EPCs) to Mitigate Potential Construction Impacts
- Cumulative Analysis of Potential Impacts
 - Short-Term Construction Impacts
 - Short-Term Operational Impacts (Full-build project)
 - Long-Term Operational Impacts



(Used for talking points for
prior slide only)

Permanent WTC PATH Terminal

Benefits of Permanent Terminal

- Provides World Class Transportation Facility
- Restores and Enhances Trans-Hudson Service with Capacity for Growth
- Catalyst for the revitalization of Lower Manhattan and the redevelopment of the WTC Site
- Seamlessly coordinated with existing and proposed transportation infrastructure and future WTC site uses and the surrounding neighborhoods



Permanent WTC PATH Terminal

Contact Information

MAIL: WTC PATH Terminal
Port Authority of New York and New Jersey
115 Broadway, 5th Floor
New York, NY 10006

CALL: 212-435-5599

EMAIL: Go to www.panynj.gov/pathrestoration
Go to “Contact Us” and put “Environmental”
in the subject line



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Please submit all written comments by
October 29, 2003 at 5:00 PM

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