

# Learning from LA & NY – Transportation and Communities

FR117

Friday, June 22, 2018, 7:00 AM – 8:00 AM

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## Course / Learning Objectives

- Upon completion, participants will be able to see how the investment in transportation is transforming Manhattan's Far West Side into a viable, dense, transit-oriented development. Attendees will see how transit investments can transform communities. They will be inspired to tour the streets of Hudson Yards and see the new station.
- Upon completion, participants will be able to understand the amount of transportation projects completed under Measure R and proposed under Measure M in Los Angeles. In addition, participants will be able to see the types of TOD projects contemplated in Los Angeles, the planning effort, and coordination effort required.
- Upon completion, participants will be able to understand what a transit-oriented-development is and what are some guiding principles for these communities. They will see examples of these communities and see the value of urban planning.
- Upon completion, participants will be able to understand how transportation expansion projects are the center of transit-oriented communities in New York, Los Angeles, and Toronto.

# Learning from LA & NY – Transportation & Communities



## Acknowledgements / Credits

**MTA Capital Construction**

**Hudson Yards Development Corporation**

**Related Companies**

**Dattner Architects** – 7 Line Extension

**Thomas Heatherwick** – the “Vessel”

**Grimshaw/Arup** – Fulton Transit Center

**WSP/STV/PTC** – East Side Access

**di Domenico + Partners** – PSA Site planning

**Stantec** – LIRR 3<sup>rd</sup> Track Expansion

**AECOM** – SAS Phase 1

**WSP** – Penn Station Access Planning

## Acknowledgements / Credits

### **LA Metro**

**Gensler** – North Hollywood Joint Development

**Y&M Architects** – Mariachi Plaza Joint Development

**Arquitectonica Los Angeles** – Wilshire/Vermont Joint Development

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**Toronto Transit Commission**

**York Region Transit**

**Claude Cormier + Associés Inc.**, Montreal – Vaughan Metropolitan Centre

**Will Alsop Architecture/TSGA/IBI** – Finch West and Pioneer Village Stations

**Foster & Partners/Arup/Adamson Associates Architects** – York University Station

**Aedas/AECOM** – Downsview Park and Highway 407 Stations

**Grimshaw/Arup/Adamson Associates Architects** – VMC Station

## Panel Overview

- Introduction of Speakers
- New York Transportation Overview
- Transforming Transit Oriented Developments (TODs) towards Transit Oriented Communities (TOCs)
- Los Angeles Transportation Overview
- Toronto Transit Oriented Communities
- LA Metro's New Systemwide Design
- Discussion

## Speakers List

### **Shirley Moy, AIA**

Program Manager, Penn Station Access, MTA Capital Construction

### **Eve Michel, AIA**

Senior Vice President & Chief Architect, MTA Capital Construction

### **Robert Paley**

Director of TOD, MTA

### **Adam Light, AICP-CUD**

Senior Director, Systemwide Design, LA Metro Countywide Planning & Development

# New York – MTA's Mega Projects



East Side Access



Fulton Center



LIRR Third Track Expansion

# MTACC Mega Projects

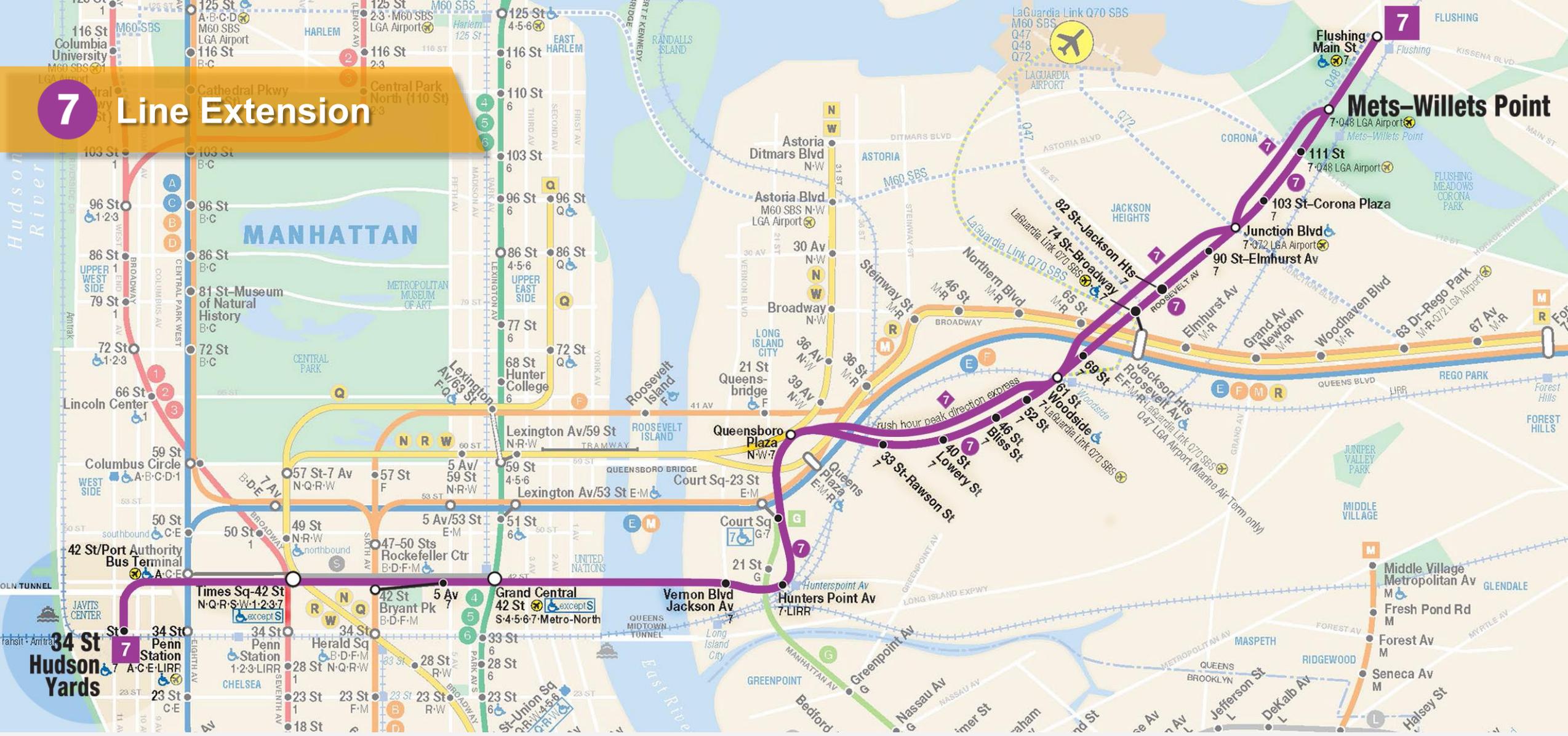


**Penn Station Access**



**Second Avenue Subway**

# 7 Line Extension



## 7 Line Extension

No. 7 Line Extension Site



## MTA Established Basis for West Side Yard Development

### MTA Beyer Blinder Belle 1989 Master Plan elements:

- Urban model based on Battery Park City
- High density, mixed use - 10 FAR base
- Commercial core 10<sup>th</sup> to 11<sup>th</sup> Avenues,
- Retail 10<sup>th</sup> Avenue, waterfront residential
- Central public open space on both superblocks
- Proposed shuttle to Penn Station as transit investment to serve the site
- 2,900 parking spaces

### Related 2007 Response to MTA/NYC RFP Based On Design Guidelines:

- High density, mixed use - 10 FAR base
- Commercial core 10<sup>th</sup> to 11<sup>th</sup> Avenues, retail 10<sup>th</sup> Avenue, residential on waterfront
- Central public open space on both superblocks
- New transit investment required to serve the site is the extension of the 7 line subway



# Hudson Yards Construction

Subway Main Entrance

Subway Ventilation Buildings

Subway Secondary Entrance

33rd St

34th St

11th AVE

35th St

36th St

# 34 St-Hudson Yards Station



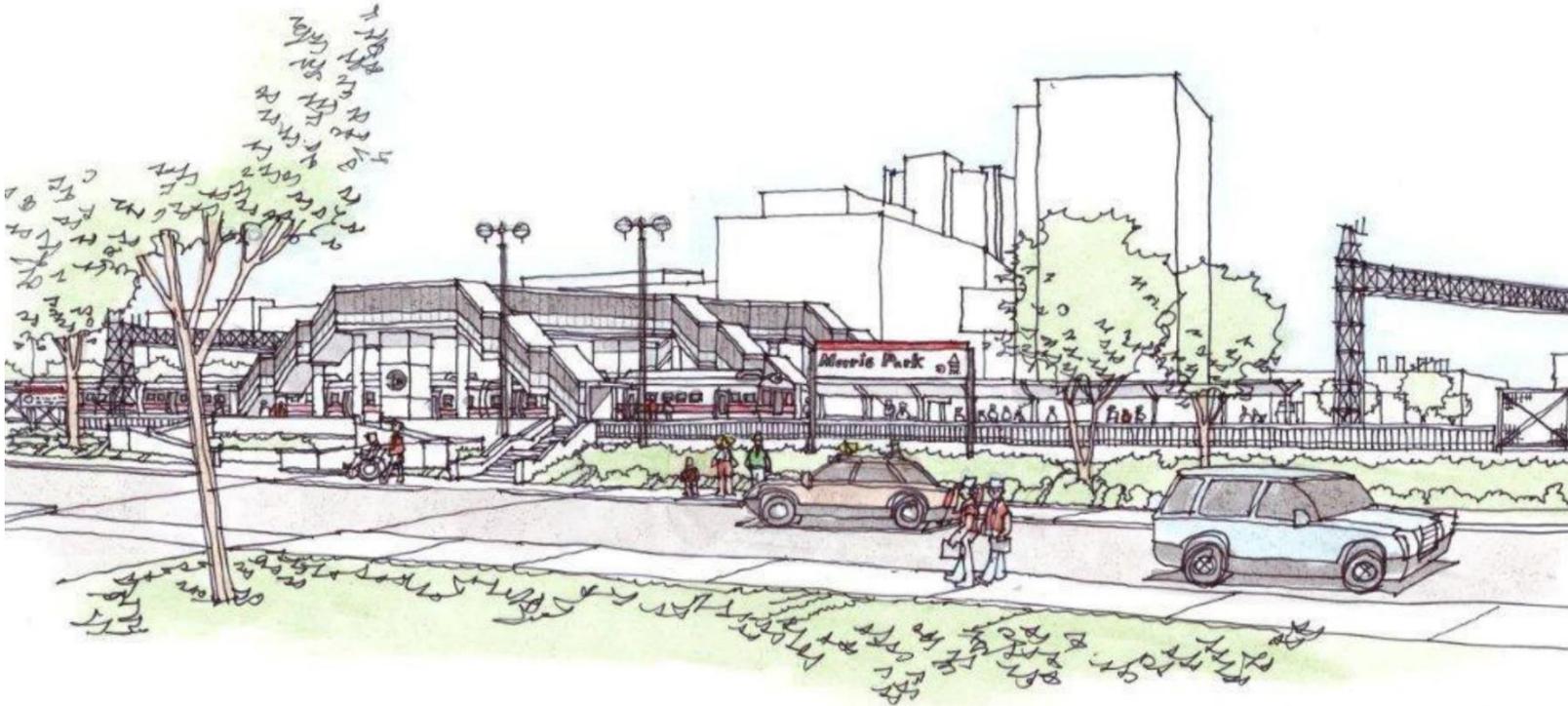


Rendering courtesy of Related Companies

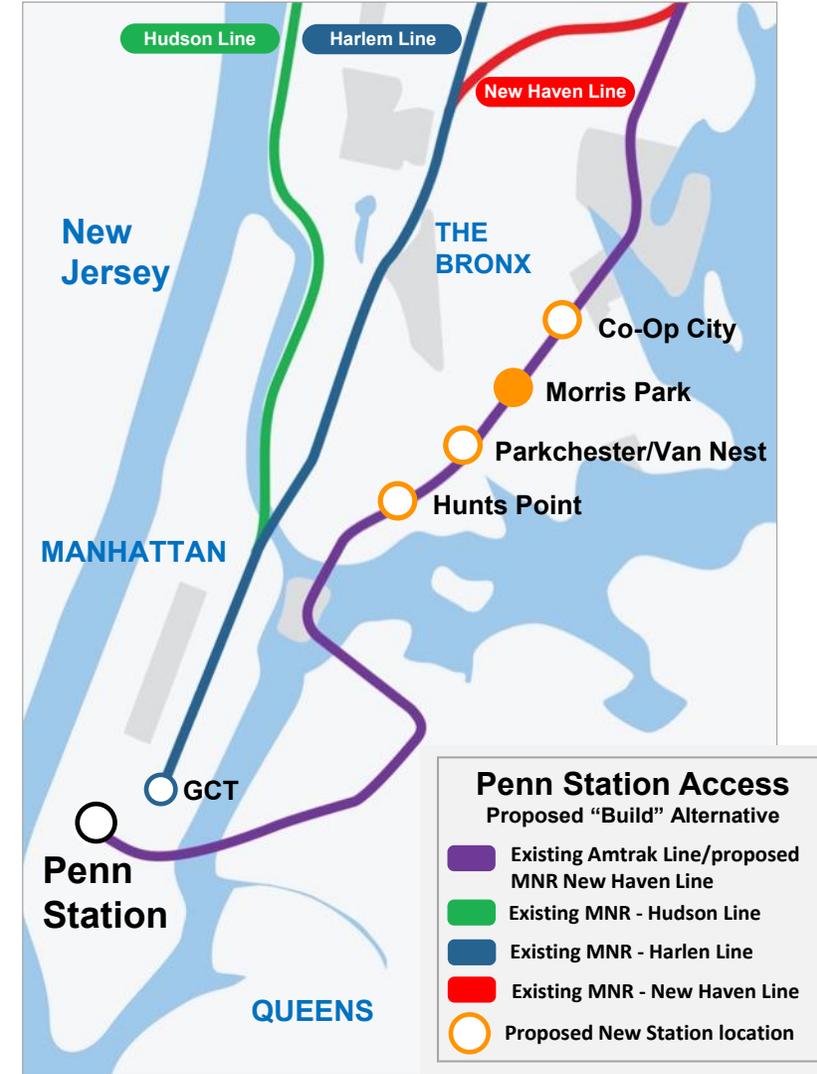
## Exploration of TOD Concepts Towards Place Making & Creating Communities

- Network Connectivity
- Site Layout, Integrating Ancillary Buildings, Kiss and Ride, Parking, Building Design, Station Access
- Accessibility, and Area Design
- Parking Management
- Pedestrian and Bicycle Circulation

# Morris Park Station



Conceptual Station Design



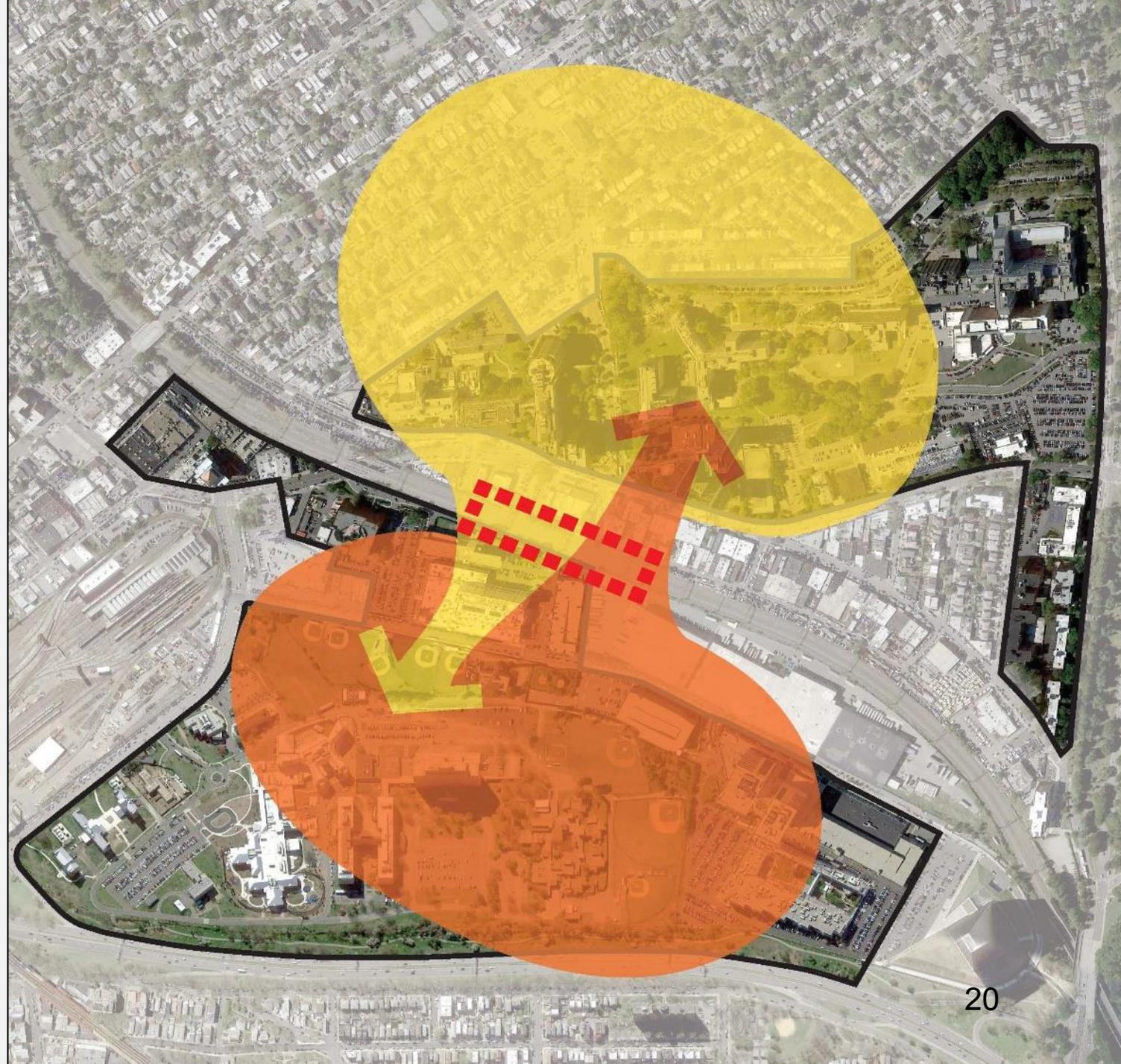
## Morris Park Station Area

### Morris Park Station Planning Issues: Bronx Psychiatric Center and Future Development

Enhance pedestrian and multimodal access between Bronx Psychiatric site and Morris Park Station Area

#### Priorities include:

- Pedestrianize street network for the redeveloped Bronx Psychiatric site
- Pedestrianize Metro Center Atrium, the commercial complex linking the station to the Bronx Psychiatric site
- Identify pedestrian plaza location



# Morris Park Station Area

Morris Park Station - Site Recommendations & Guidelines:

Rezoning to facilitate medical/wellness district



Parking to be mixed use with street retail



Continuous street with opportunities for gardens and café space



Support multi-modal movement with dedicated bike lane, bike sharing, and tree lined street scape



Surface parking to be permeable pavement with rain gardens



Provide for sidewalk amenities such as cafes, seating, and bike storage



*“Transit Stations as the  
Centerpiece of Community”*

- Robert Paley

# Video

<https://www.youtube.com/watch?v=JCg3cJutk80>

# LA Metro System



**Existing Lines:  
113 Stations  
131.7 miles**

**Existing + Measures R+M  
Total: 181-191 Stations  
218+ miles**



## Complete Communities: Metro's Move from TOD to TOCs

- Reduced auto use/Increased transit use
- Density, but consistent with surrounding neighborhood
- Mix of uses linked to transit
- High quality design
- Upgrades to/Completion of Metro facilities
- Strong neighborhood and inter-modal link
- Pedestrian orientation
- Enhanced transit patron experience
- Long-term ground lease (typically)
- Fair market return
- Sustainable development



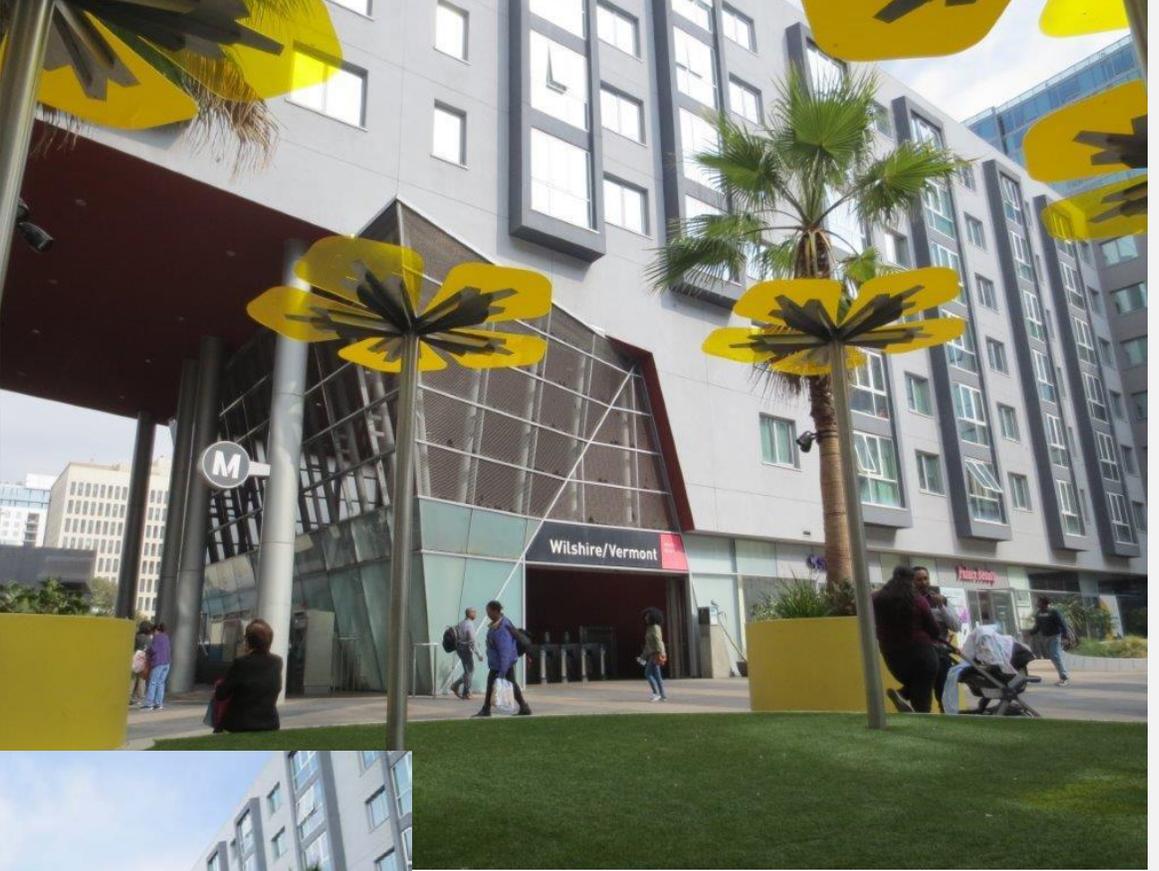
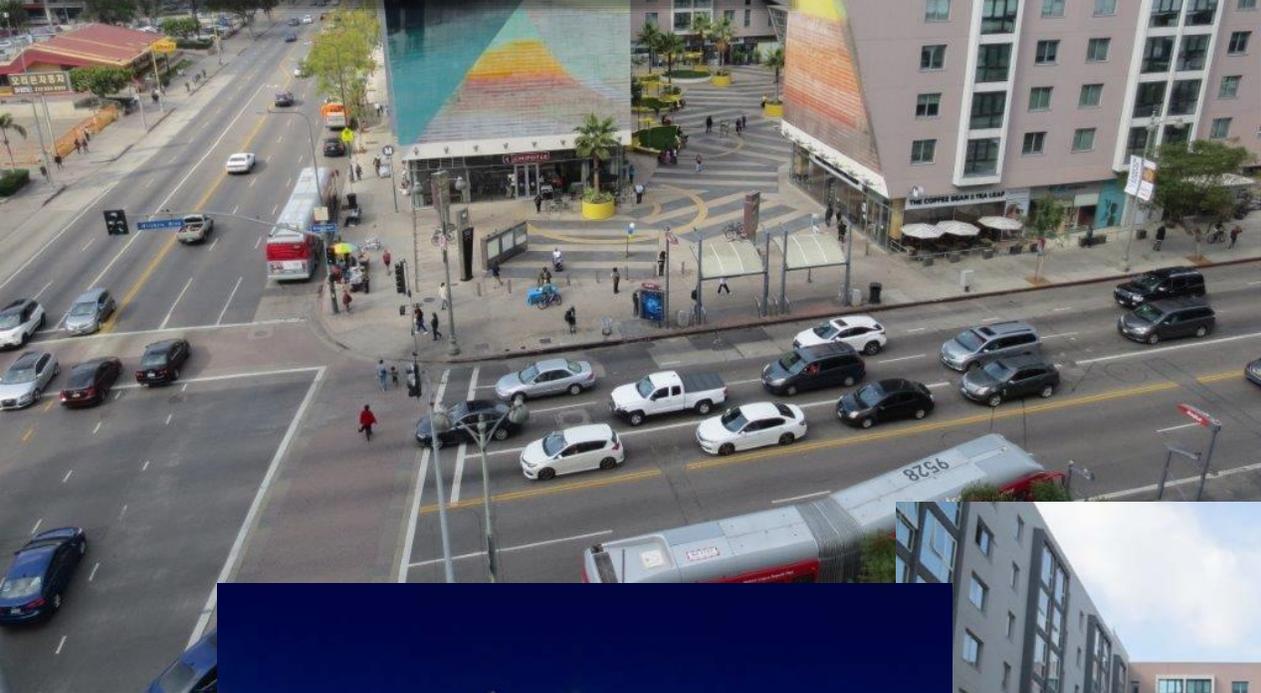
## Small scale Community



## Mariachi Plaza Subway Station Future Joint Development

- 60 residential units for families and transitional youth
- 100% affordable
- Ground floor locally-serving retail
- Community cultural center
- 6,000 sq. ft. community open space (part of transit plaza)

# Medium scale Community



## Wilshire/Vermont Station Joint Development – Aug 2007

- 449-unit residential units
- 20% affordable units
- Ground floor retail
- 2 integrated station entrances

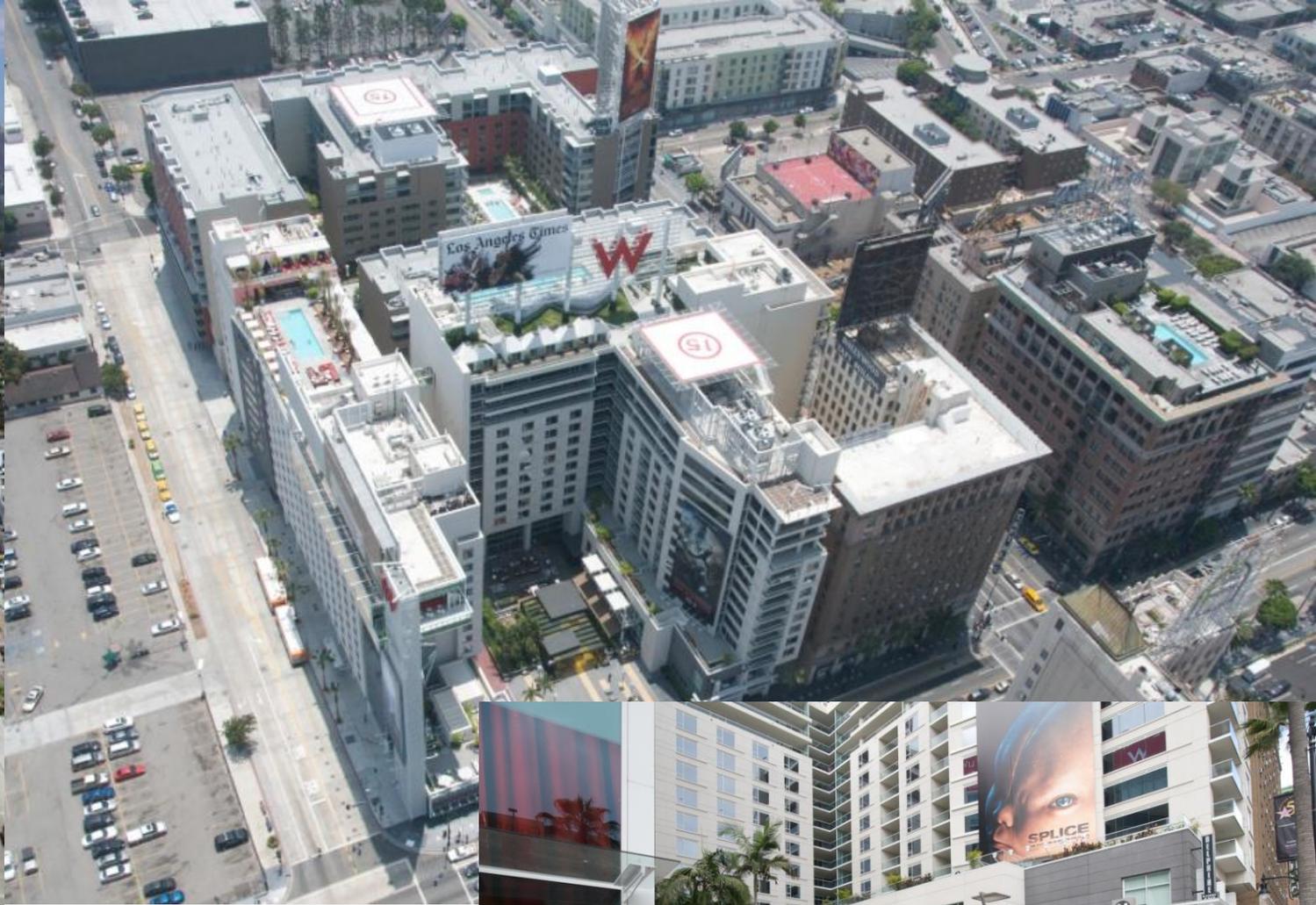
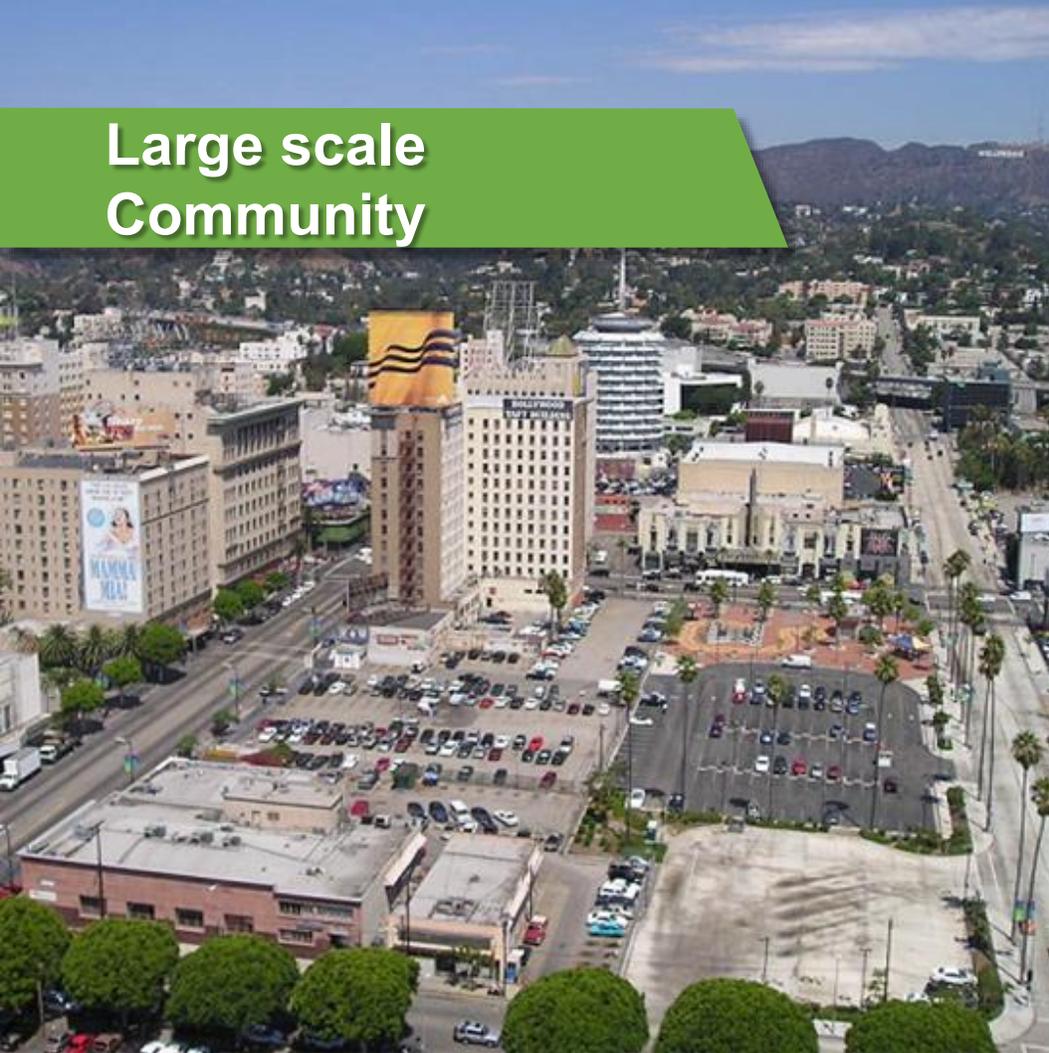
# Large scale Community

## North Hollywood Subway and BRT Terminus Station Future Joint Development

- Up to 1,625 dwelling units – market and affordable
- Up to 150,000 sf of retail
- Up to 400,000 sf office
- Up to 1,000 transit parking spaces



# Large scale Community



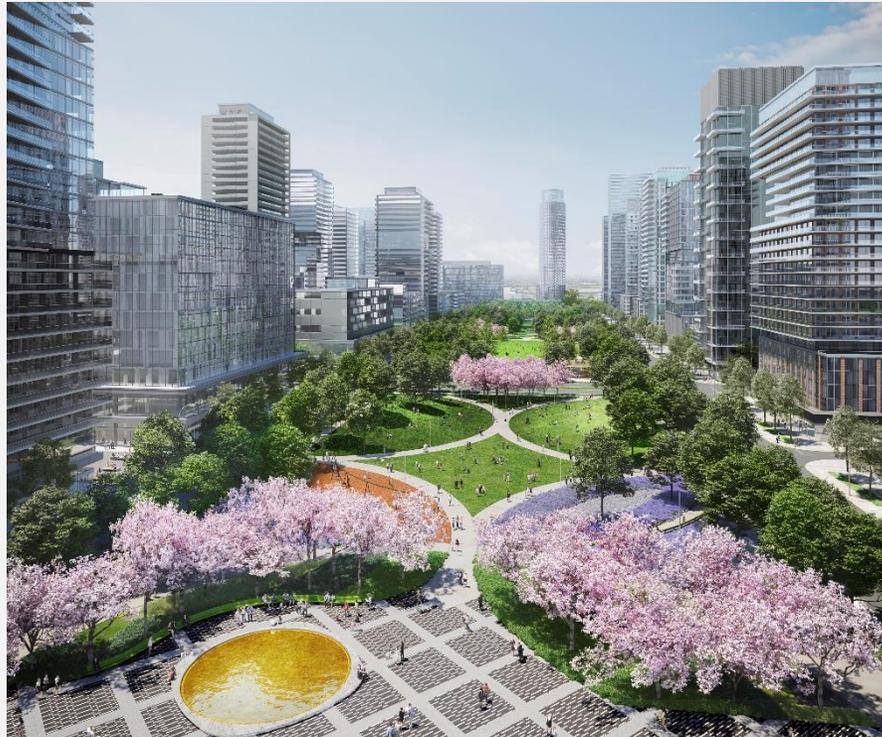
## Hollywood/Vine Station Joint Development – Dec 2009

- 375 Residential Units
- 20% Affordable
- 305-Room W Hotel

**A'18** AIA Conference on Architecture 2018  
June 21-23, New York City



# Greater Toronto Transit Oriented Communities



Aerial Rendering Looking West –  
SmartCentres, SmartUrban, Claude Cormier + Associés  
and Diamond Schmitt Architects

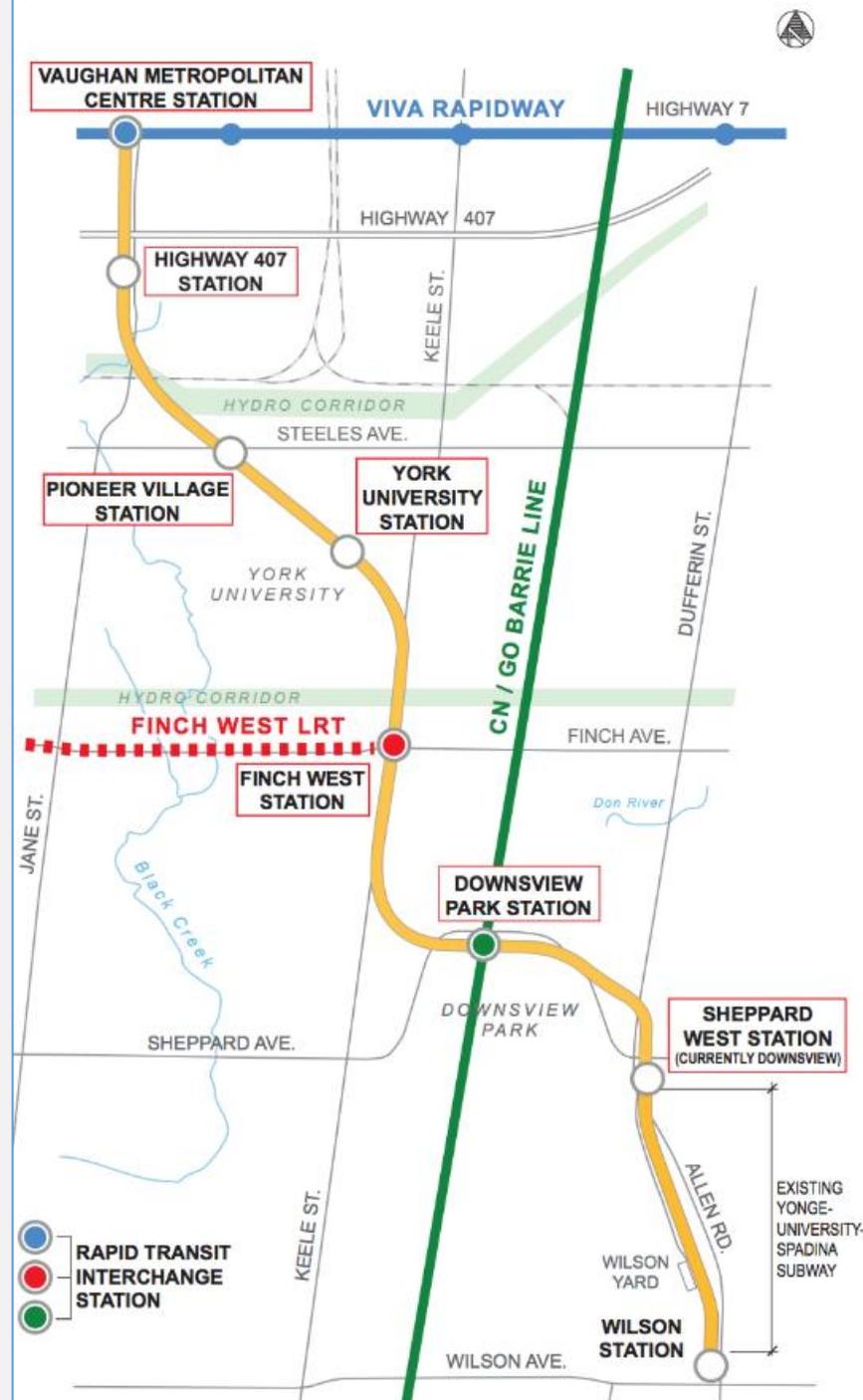
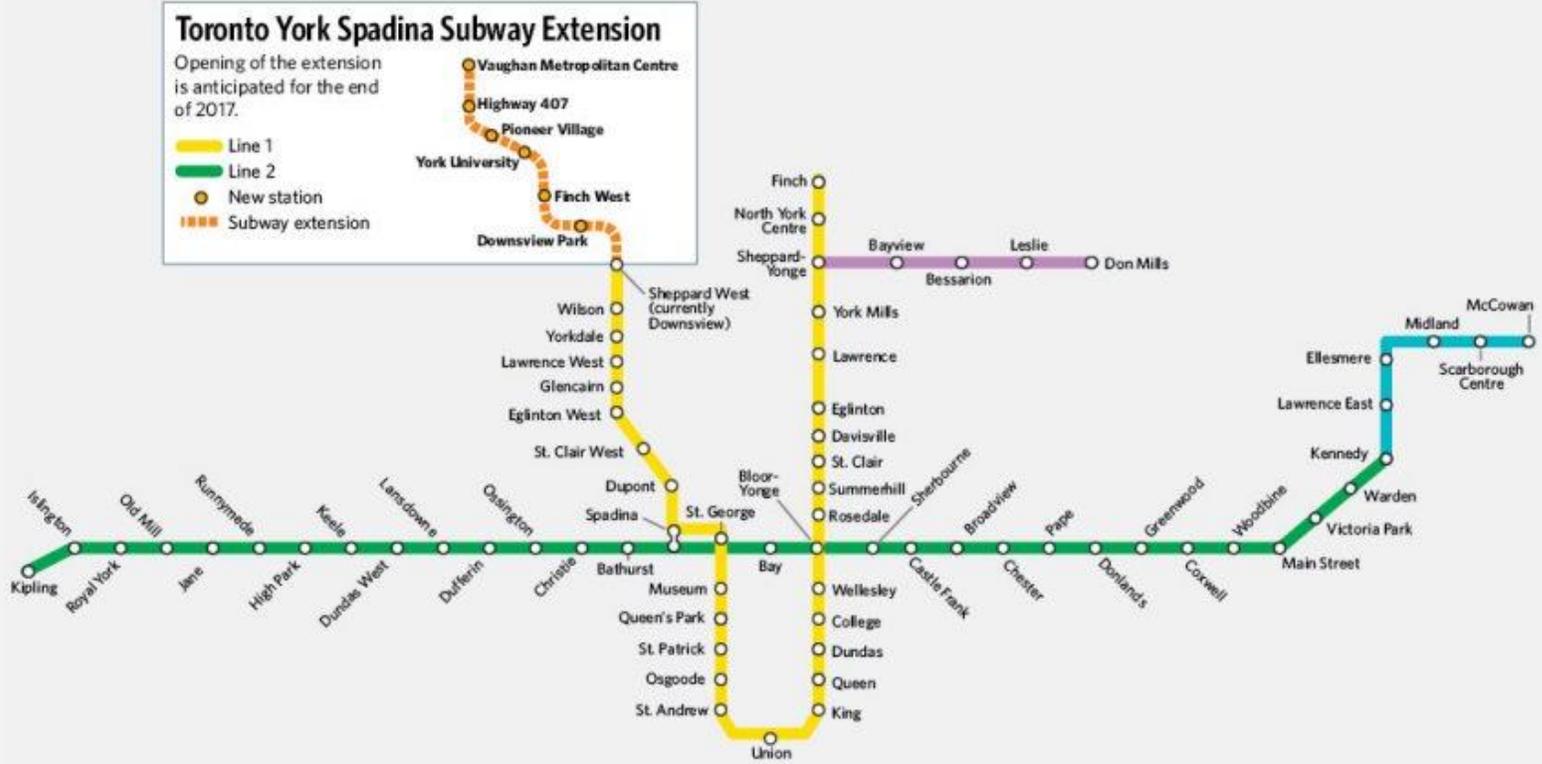


Photo courtesy of Toronto Transit Commission

# Toronto's "Line 1" Subway Extension

**Toronto York Spadina Subway Extension**  
 Opening of the extension is anticipated for the end of 2017.

- Line 1
- Line 2
- New station
- Subway extension



# Transit Oriented Communities in suburban Areas



Downsview Park Station – Aedas, Bryan Shaw, and AECOM



VMC Station – Grimshaw, Adamson Architects, and Arup



Pioneer Village Station – Will Alsop, IBI, and TSGA



York U. Station – Foster & Partners, Adamson Architects, and Arup

# Downsview Park Master Plan

- Adaptive Re-use of former Military Base
- National Urban Park
- Bombardier Factory and Airport
- Department of Defense Hqtrs.
- Mixed-Use Urban Development
  - Employment
  - Housing
  - Retail



# York University Master Plan



# Vaughan Metropolitan Centre



# Vaughan Metropolitan Centre



Aerial Rendering Looking West –  
SmartCentres, SmartUrban, Claude Cormier + Associés and Diamond Schmitt Architects



Aerial Rendering Looking West –  
SmartCentres, SmartUrban, Claude Cormier + Associés and Diamond Schmitt Architects

# Vaughan Metropolitan Centre Station



# Vaughan Metropolitan Centre Station



# LA Metro's New Systemwide Design



# LA Metro's New Systemwide Design Principles

## Safe

Open lines of sight for passengers and customers

## Smart

Contemporary design that is easy to identify, access and navigate

## Clean

High Performance Materials

Spacious plazas and platforms with integrated signage, art and equipment

## Green

Access to light

Sustainable building materials and landscaping

## LA Metro's New Systemwide Design Goals

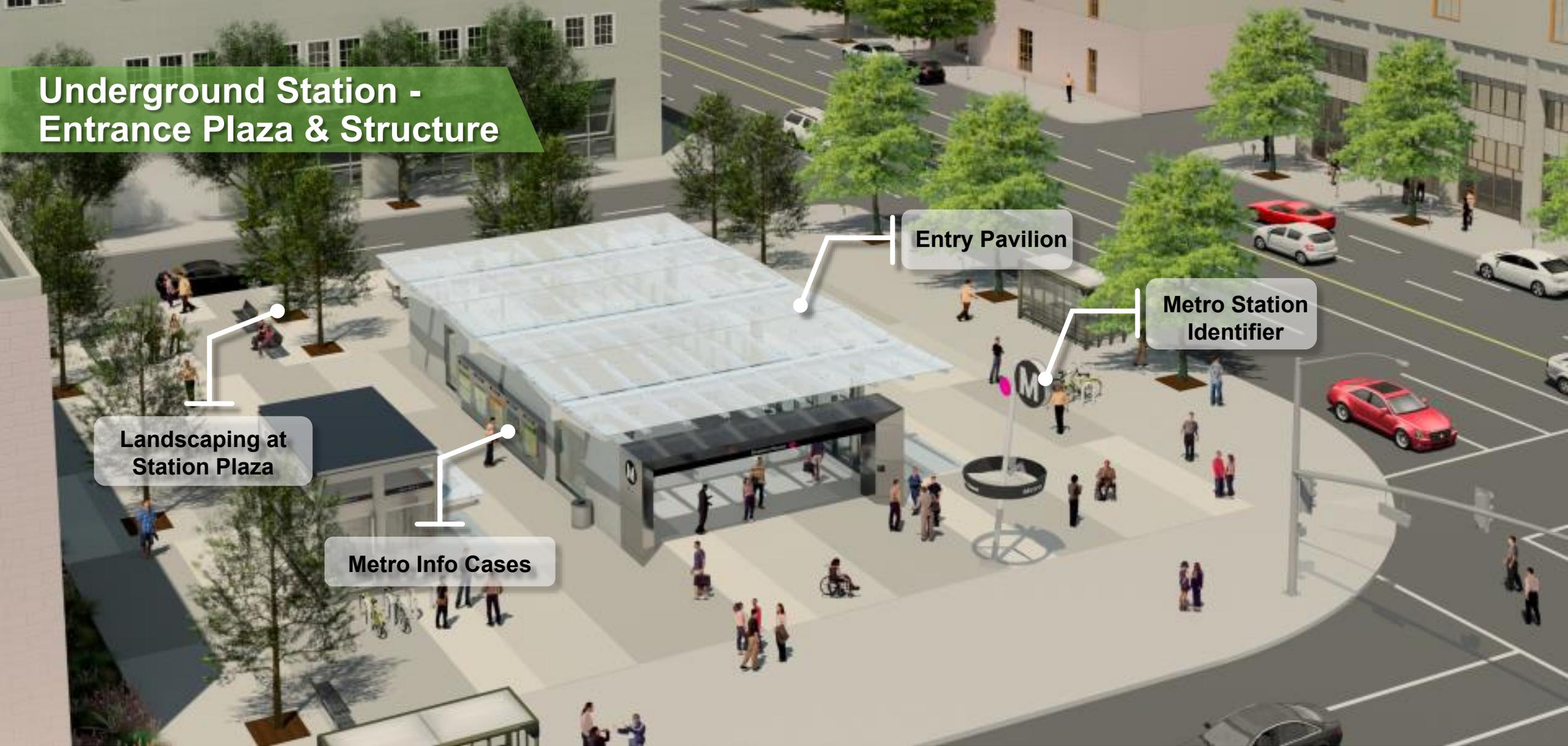
- A consistent architectural language for all future stations
- Flexibility to respond to the urban context of each station site
- Accommodate First/Last Mile connections
- Plazas provide opportunities for connections to adjacent development (existing, planned, future JD opportunities)
- Variability through art and landscaping to visually connect to surrounding community

## Designs that Reflect Los Angeles

- Light, air, openness
- Exposure to warm, sunny climate
- Focus on health, well-being and optimism



# Underground Station - Entrance Plaza & Structure



Entry Pavilion

Metro Station Identifier

Landscaping at Station Plaza

Metro Info Cases

# Underground Station Entrance Structure



Glass Canopy

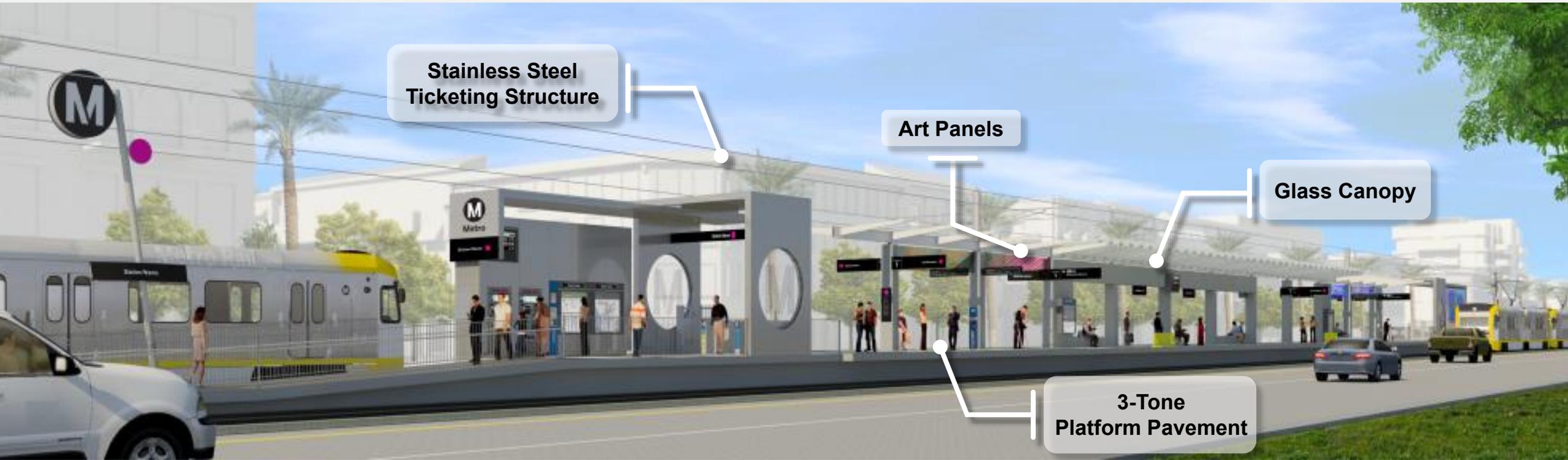
Stainless Steel Entry Pavilion

Glass Art Walls

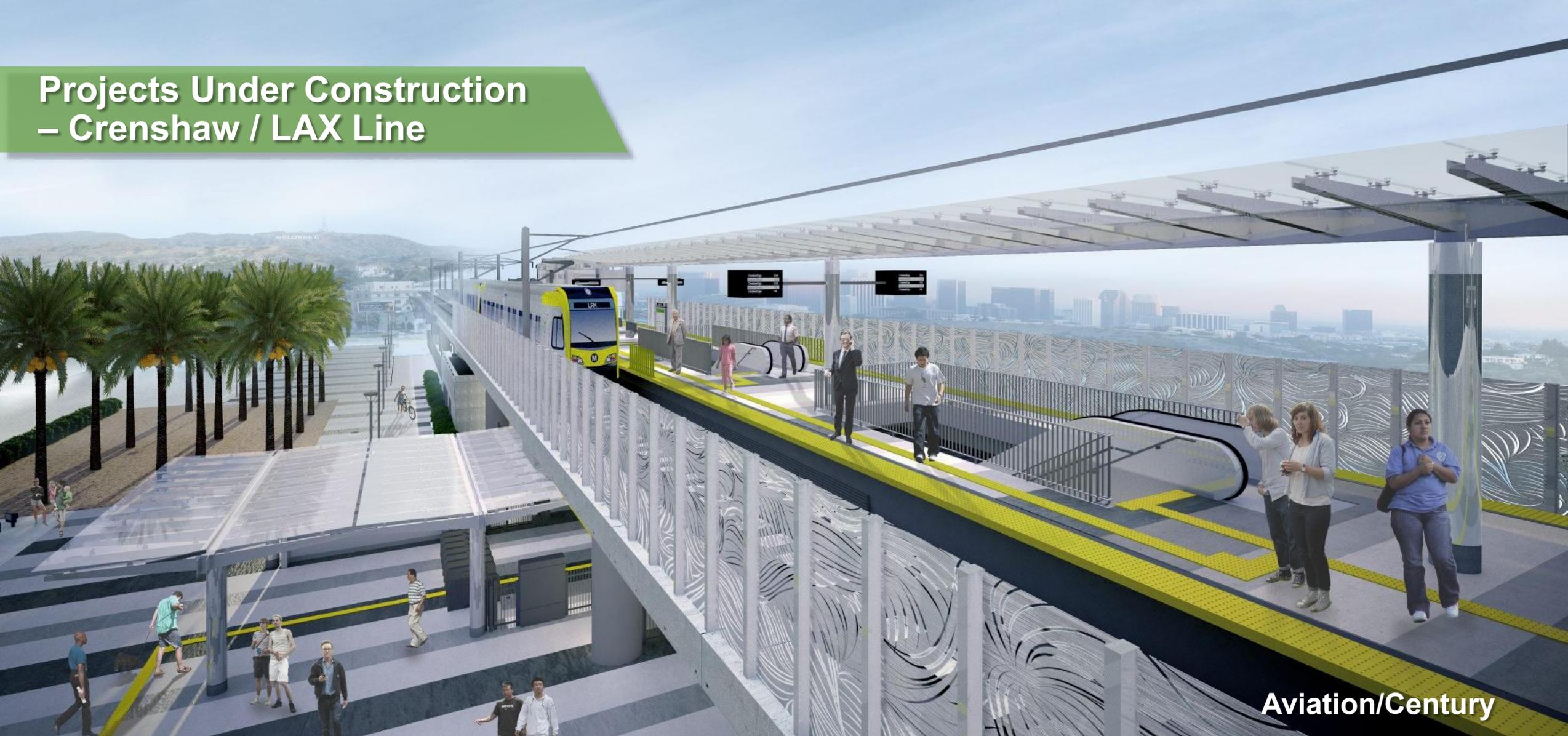
3-Tone Plaza Pavement

Landscaping at Station Plaza

# At-Grade Rail Station



# Projects Under Construction – Crenshaw / LAX Line



Aviation/Century

# Projects Under Construction – Crenshaw / LAX Line



Leimert Park

# Transportation Oriented Communities

# Discussion



Los Angeles



New York



Toronto