

# **Attachment 1**

# Purple Line Extension

Beverly Hills Chamber of Commerce – July 18, 2013



# Agenda

- Project Overview & Schedule
- Construction Relations
- La Cienega Station Construction Overview
- Questions & Answers



# Meet the Team

- **Jim Cohen**  
Deputy Executive Officer, Project Management
- **Jody Litvak**  
Director, Community Relations
- **Dennis Mori**  
Executive Officer, Project Management
- **Yvette Rapose**  
Director, Construction Relations



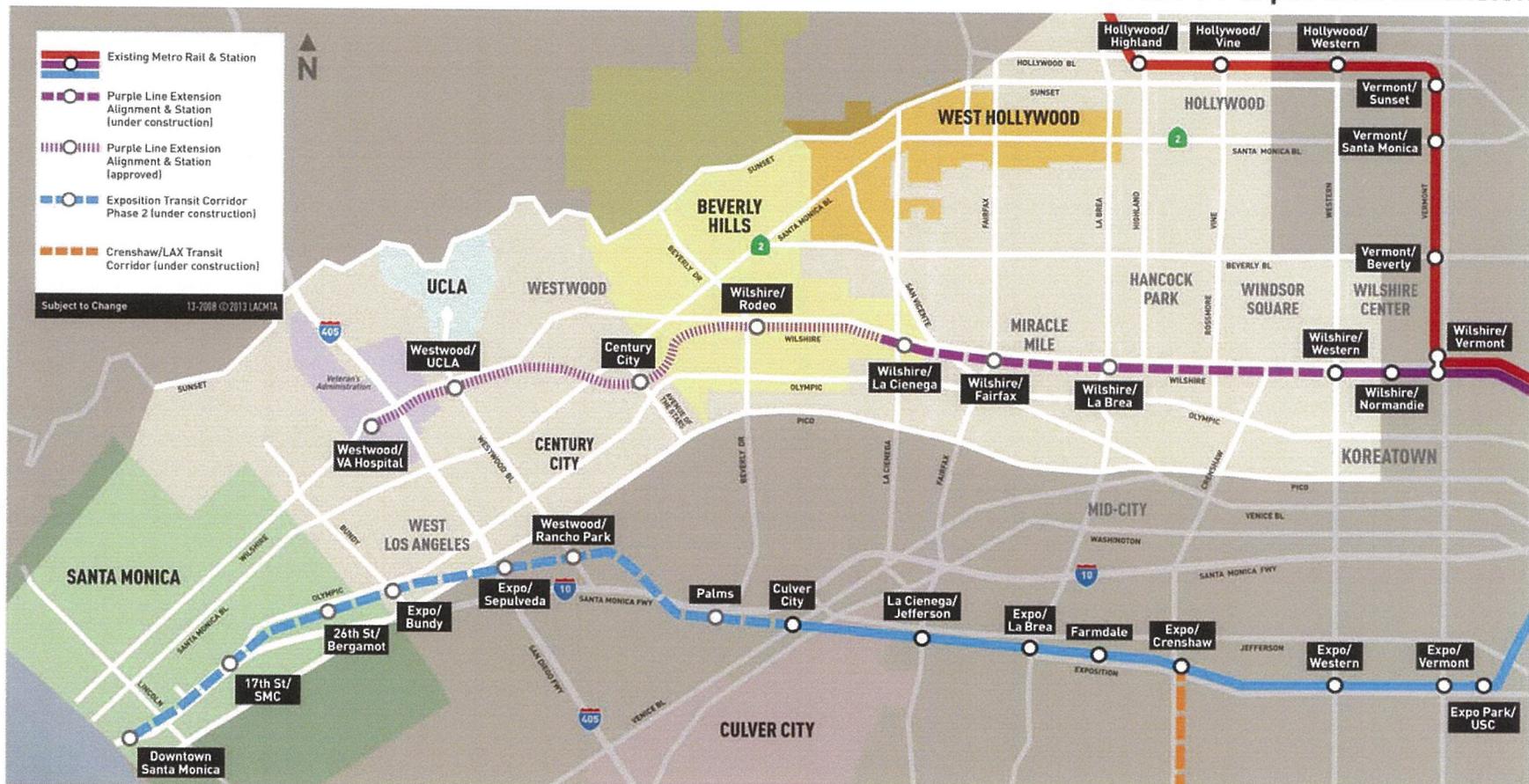
# Project Overview & Schedule

## Jody Litvak



# Approved Project

## Metro Purple Line Extension



# Approved Project - Schedule

	Planned Schedule	Forecasted Schedule	
	<i>Section 1</i>	<i>Section 2</i>	<i>Section 3</i>
<b>Length</b>	3.9 Miles	2.6 Miles	2.9 Miles
<b>New Stations</b>	Wilshire/La Brea Wilshire/Fairfax Wilshire/La Cienega	Wilshire/Rodeo Century City	Westwood/UCLA Westwood/VA Hospital
<b>Pre-Construction Activities</b>	Current - 2014	2017 - 2018	2025 - 2027
<b>Construction</b>	2014 - 2023	2019 - 2026	2027 - 2035
<b>Operations</b>	2023	2026	2035

# Section 1 – Next Steps

- Now and ongoing: Pre-construction (selecting Design-Build contractor, utility relocations, exploratory shaft, real estate acquisitions, discussions with cities, etc.)
- Early 2014: Full-Funding Grant Agreement (FFGA) anticipated
- 2014: Construction begins



# Construction Relations

## Yvette Rapose



# Construction Relations - Role

## Specialized Unit Matrixed to Construction

- Public Outreach, Stakeholder Communication & Direct Construction Impact Mitigation
- Project Management Plan
- Mitigation Measures Reporting Plan



# Construction Relations - Support

## Direct Project & Contractor Support:

- Interdepartmental Management Coordination
- Pre-Construction Coordination
- Business Preparation & Coordination
- Resident Preparation & Coordination



# Construction Relations – Tactics & Outreach

## Construction Notices, Fact Sheets & Educational Videos

### Did You Know?

#### *Public Outreach Tactics:*

- Door-to-Door Distribution
- E-blasts
- Project Website
- Project Hotline
- 3rd Party Websites/Blogs/Other Media

#### *Social Media Outreach:*

- Facebook
- Twitter
- YouTube



# Construction Relations - Community

Construction Safety Awareness Training, Local Construction Activities, Schedule Stakeholder Communications:

- Station Advisory Group (SAG)
- Elected Officials Staff
- Neighborhood Councils, HOAs & Residents
- Chambers of Commerce/BIDs/Business Associations
- Business Owners
- Educational & Cultural Institutions
- Faith-Based Organizations





# Pre-Construction Business Support - Project Area Discount Program

The *Project Area Discount* program is an opportunity for businesses directly along the alignment, and within a ½ mile radius, to advertise—without cost—on the Purple Line Extension project page and the Metro website in exchange for providing customers an added value incentive

- Free to businesses
- Metro.net enjoys 1.5 million viewers monthly
- Full marketing program

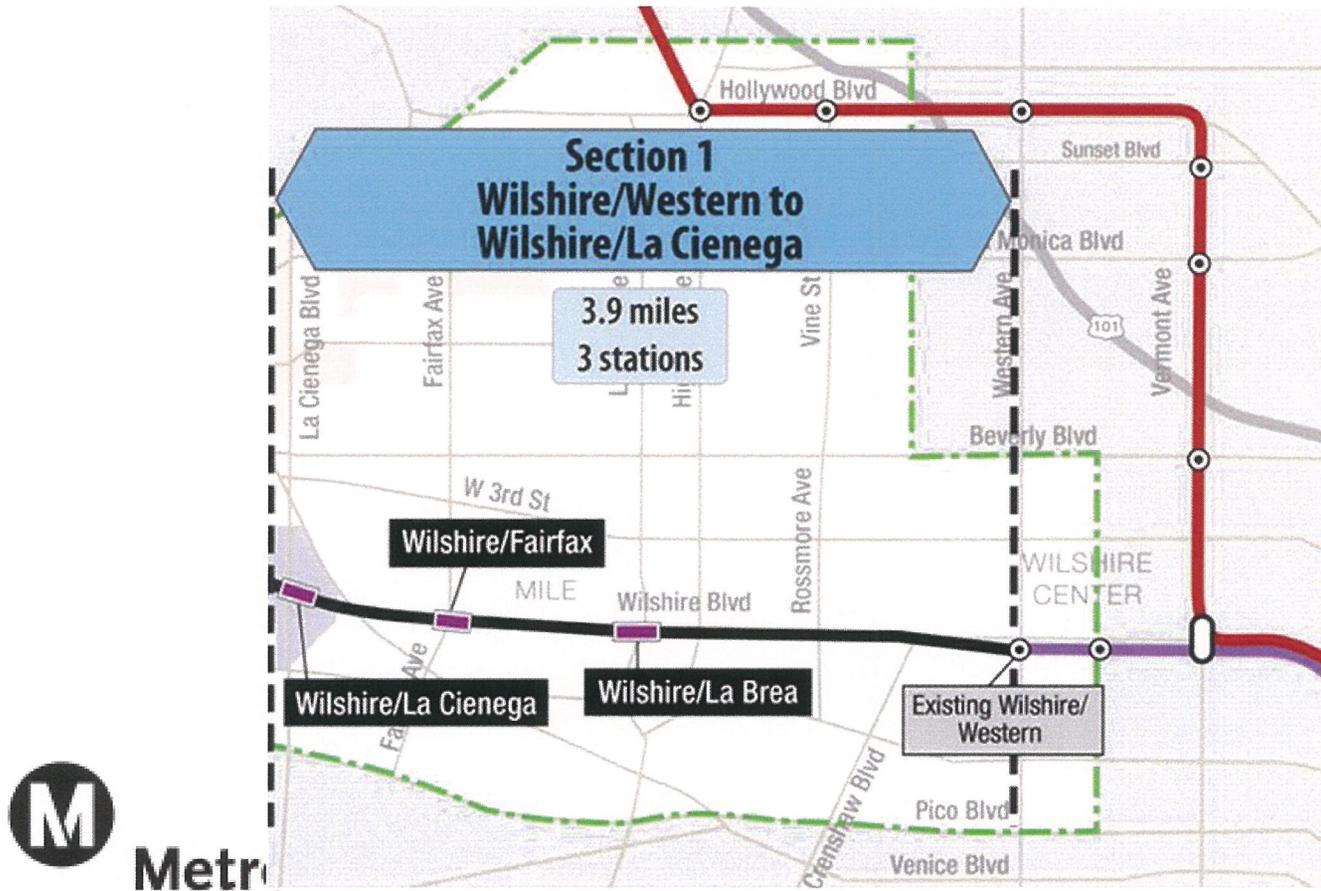


# Construction Overview

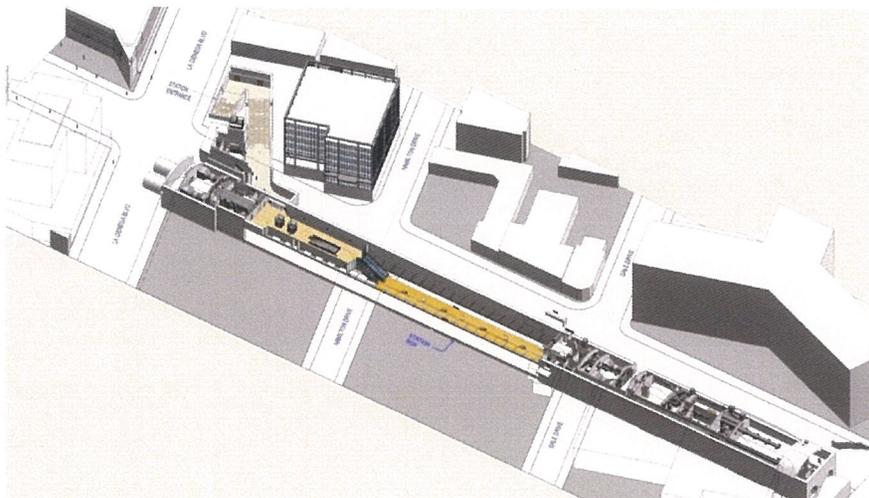
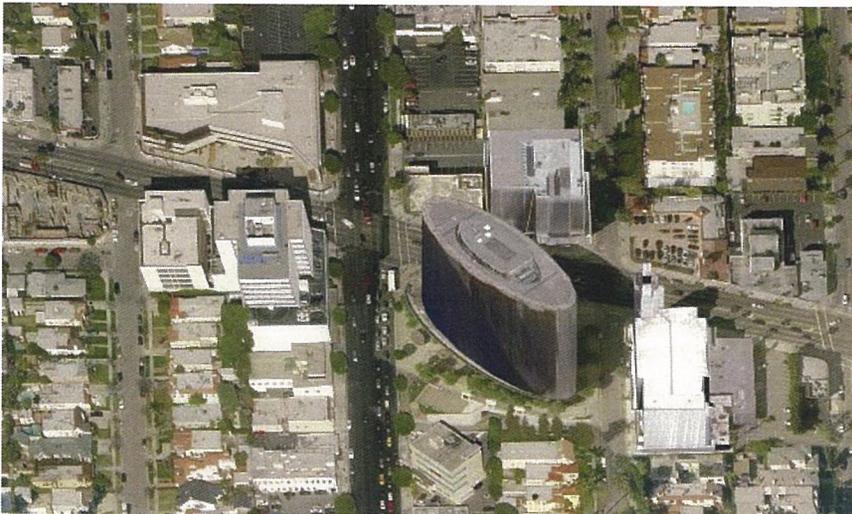
## Jim Cohen



# Section I – Wilshire/Western to Wilshire/La Cienega

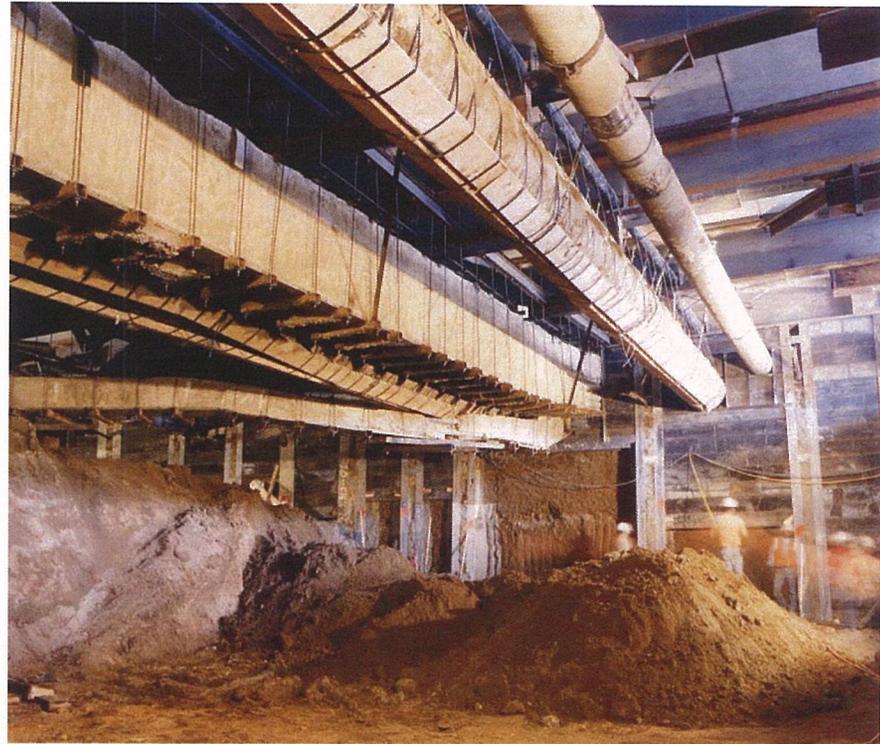
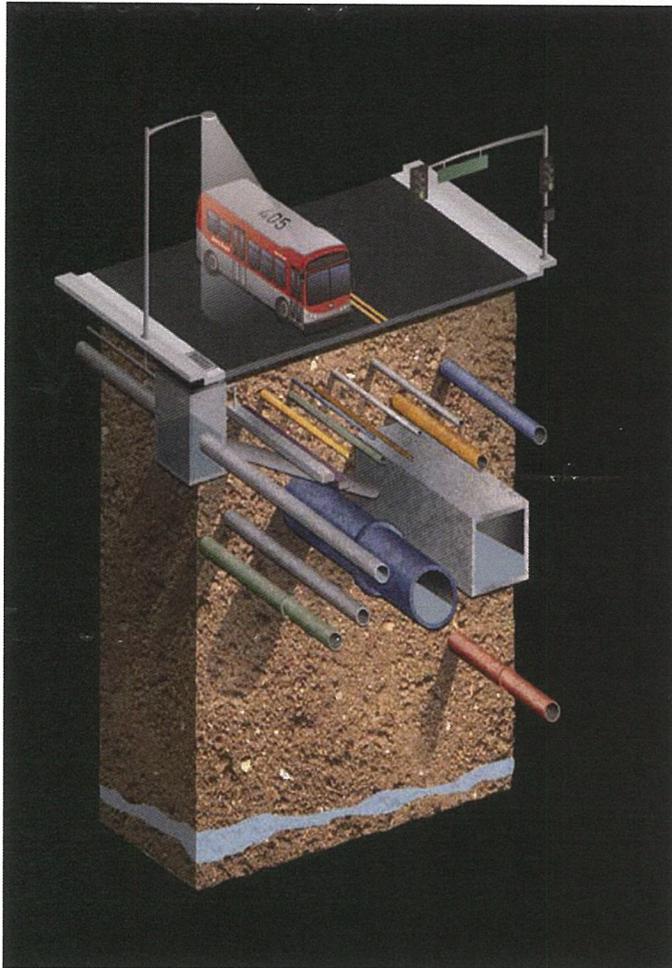


# Section I - Wilshire/La Cienega Station



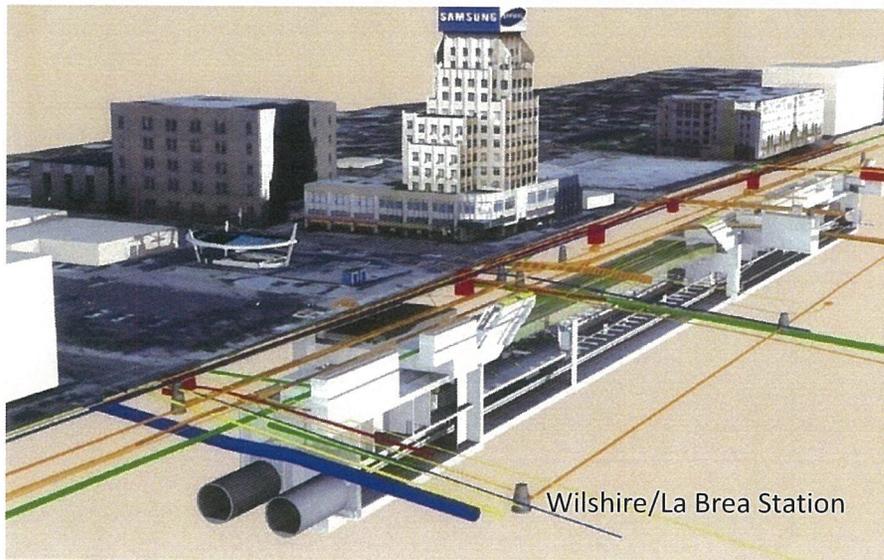
- Entrance at NE Corner
- 2 construction staging sites:
  - NE corner Wilshire/La Cienega
  - NW corner Wilshire/Gale
- Crossover tracks extend box to the east
- Tunnel Boring Machine (TBM) removal site at conclusion of tunneling

# Utility Design/Station Construction Third Party Coordination

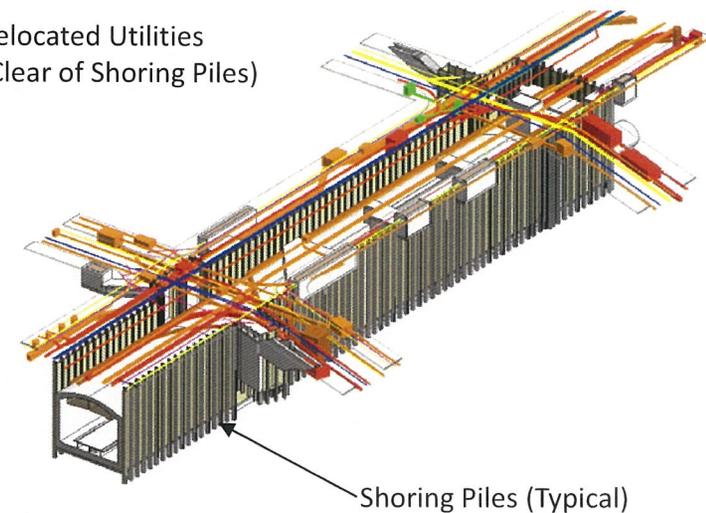


Relocation and final design of utilities require close third party coordination between Metro, the utility companies, the City of Los Angeles, City of Beverly Hills and the contractors.

# Advanced Utility Relocation



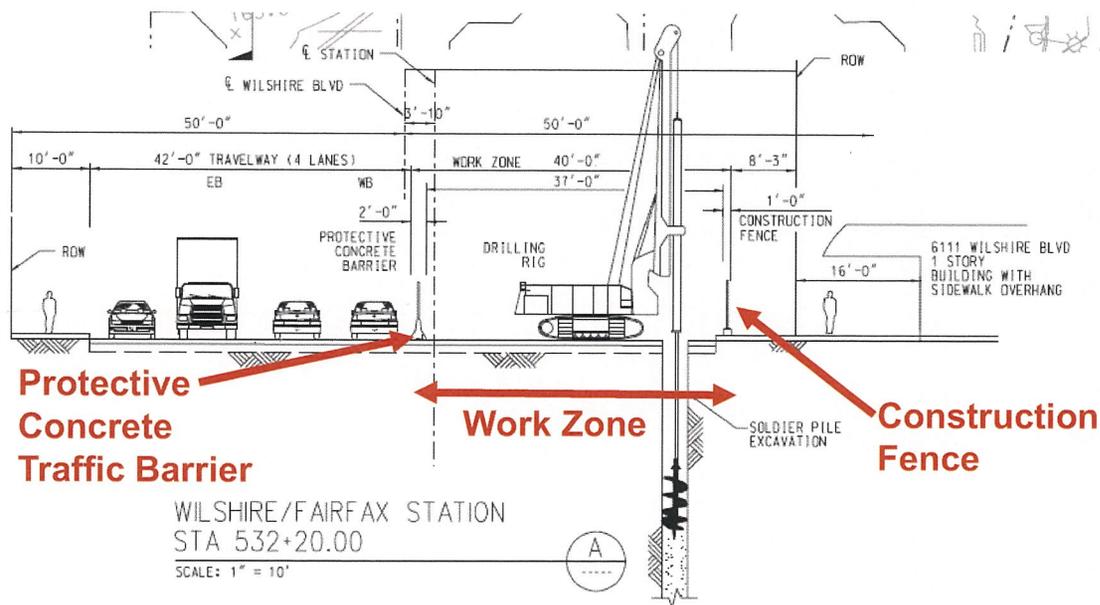
Relocated Utilities  
(Clear of Shoring Piles)



To facilitate the construction of major critical path construction activities, three contracts are being initiated to relocate water, power and sewer lines in advance of awarding the Design/Build tunnels and stations contract.

The contract for the Wilshire/La Brea advanced utility relocation work was awarded and will begin construction in July 2013. Invitation For Bids (IFB) for the remaining two Advance Utility Relocations Contracts for Wilshire/Fairfax and Wilshire/La Cienega are being solicited in June and July 2013.

# Station Box Construction: Begins with Soldier Pile Installation

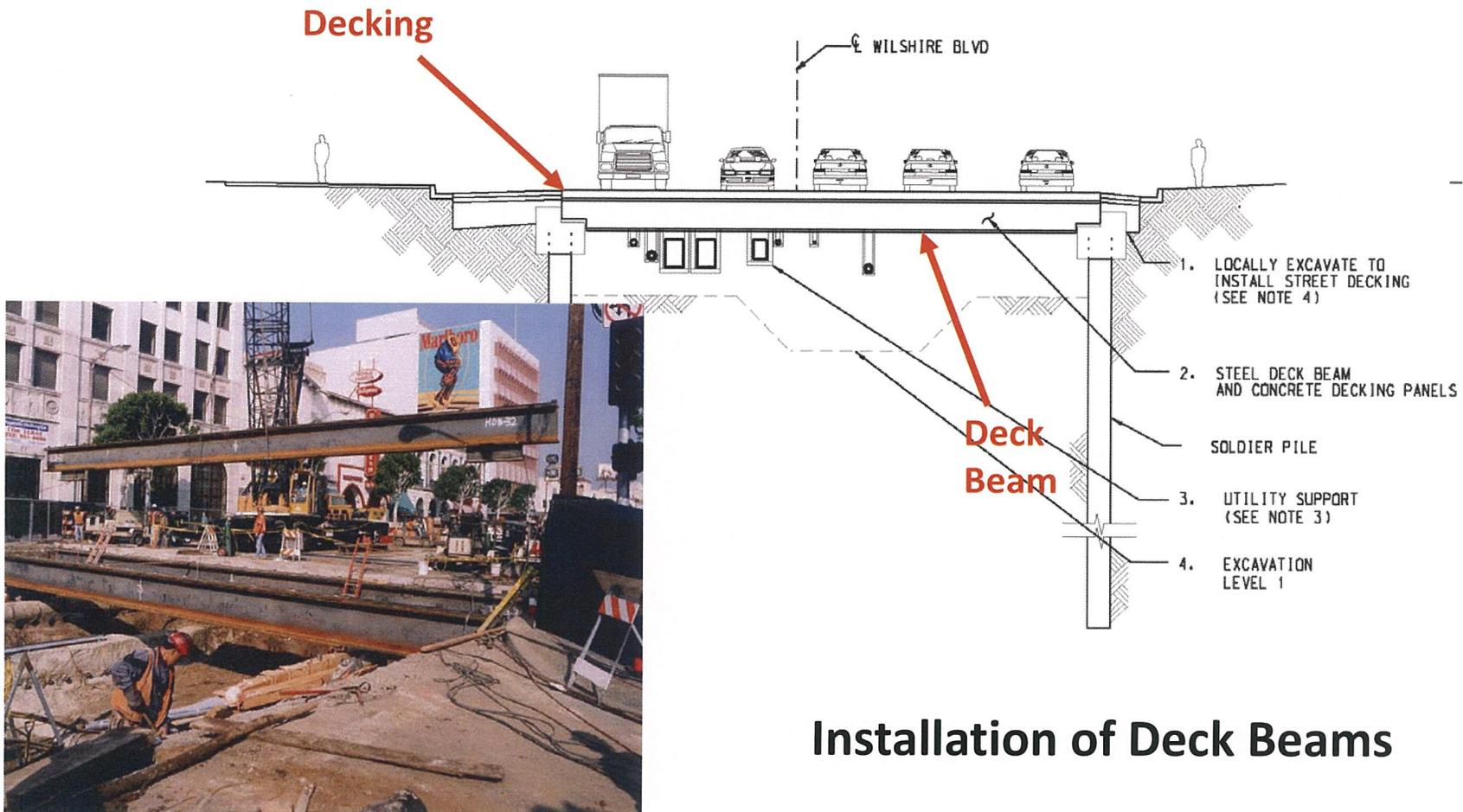


## Installation of Soldier Piles



Soldier pile installation in Hollywood during Metro Red Line construction (1995)

# Station Box Construction: Then Initial Excavation & Decking Installation



# Station Box Construction: Continues Below Concrete Deck



**Deck installation at  
Hollywood/Vine Station**



**Completed decking at  
Hollywood/Highland  
Station**

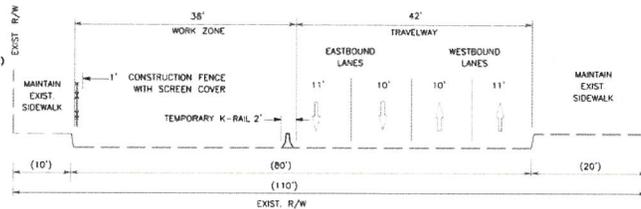
# Traffic Control Plans During Full and Partial Street Closures

## Traffic Control Plans to be approved by Cities of Los Angeles & Beverly Hills



### TEMPORARY STRIPING NOTES:

- ① 4"x7" WHITE LANE LINE @ 17' GAP  
(50' PAINT ON INTERSECTION APPROACH AND DEPARTURE)
- ② 8"x3" WHITE ELEPHANT TRACK @ 12' GAP
- ③ 4"x1" WHITE CAT TRACK @ 6' GAP
- ④ 12" WHITE CROSSWALK OR STOP BAR
- ⑤ 4" WHITE EDGE LINE
- ⑥ 8" WHITE BARRIER LINE
- ⑦ 8" WHITE DIAGONAL
- ⑧ 8" WHITE CHEVRON
- ⑨ 4"x1" YELLOW CAT TRACK @ 6' GAP
- ⑩ 4" DOUBLE YELLOW LINE
- ⑪ 12" YELLOW CROSSWALK
- ⑫ 4" YELLOW EDGE LINE
- ⑬ 8" YELLOW DIAGONAL



TYPICAL SECTION - STAGE 2  
WILSHIRE/FAIRFAX STATION  
FAIRFAX AVE. TO OGDEN DR.  
NO SCALE

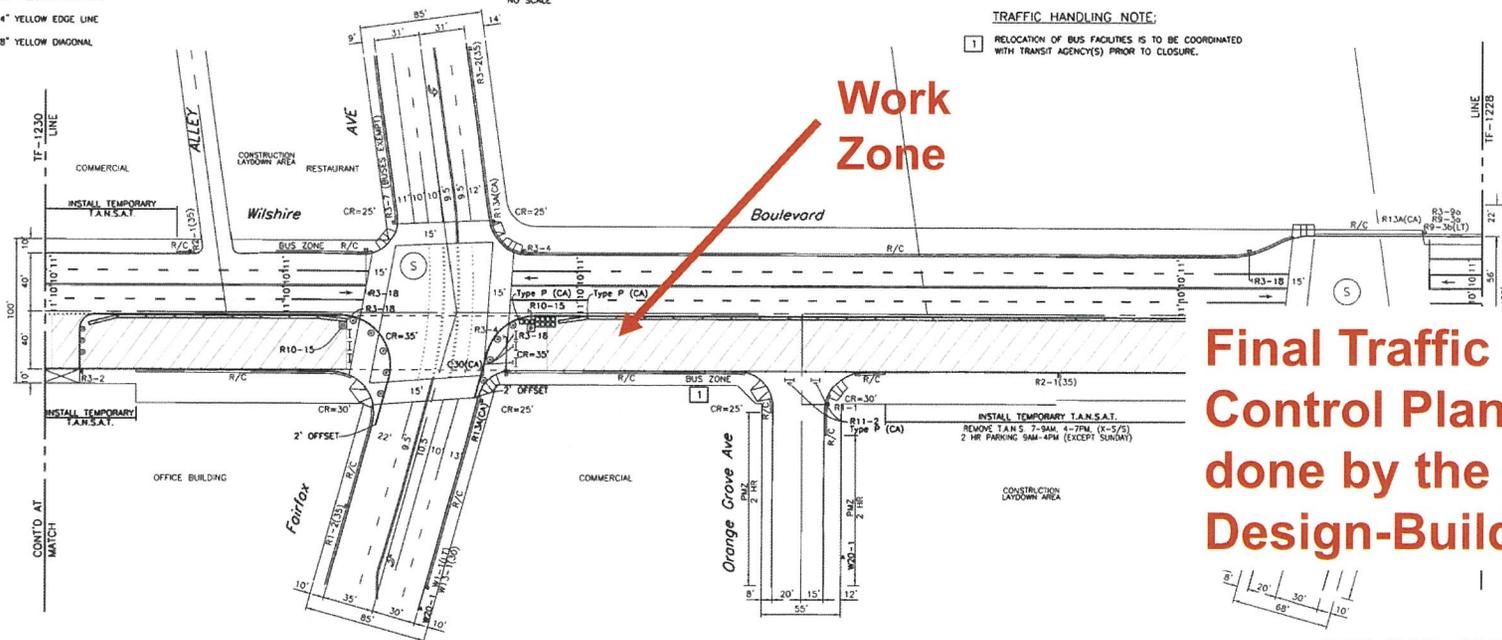
### LEGEND:

(TYPICAL FOR ALL STAGE CONSTRUCTION TRAFFIC HANDLING SHEETS)

- |  |   |  |   |
|--|---|--|---|
|  | - SIGNALIZED INTERSECTION                                     |  | - EXISTING STRIPING & MARKINGS TO REMAIN                        |
|  | - CONSTRUCTION AREA   |  | - PROPOSED STRIPING & MARKINGS                                  |
|  | - TYPE II BARRICADE/WITH SIGN AS NOTED                        |  | - TEMPORARY K-RAIL  |
|  | - TYPE II BARRICADE/WITH SIGN AS NOTED                        |  | - TEMPORARY CRASH CUSHIONS                                      |
|  | - EXISTING/TEMPORARY ROADSIDE SIGN                            |  | - 30" EPOXYED SURFACE MOUNT DELINEATOR WITH REFLECTIVE SHEETING |
|  | - EXISTING/TEMPORARY ROADSIDE SIGN TO BE REMOVED OR RELOCATED |  | - TEMPORARY FENCING   |
|  | - PORPOSED TEMPORARY ROADSIDE SIGN                            |  | - FLASHING ARROW BOARD  |
|  | - PORTABLE CHANGEABLE MESSAGE SIGN                            |  |   |

### TRAFFIC HANDLING NOTE:

- 1 RELOCATION OF BUS FACILITIES IS TO BE COORDINATED WITH TRANSIT AGENCY(S) PRIOR TO CLOSURE.



**Final Traffic Control Plans are done by the Design-Builder**

NOT FOR CONSTRUCTION

# What Exemptions is Metro Seeking?

## Objectives:

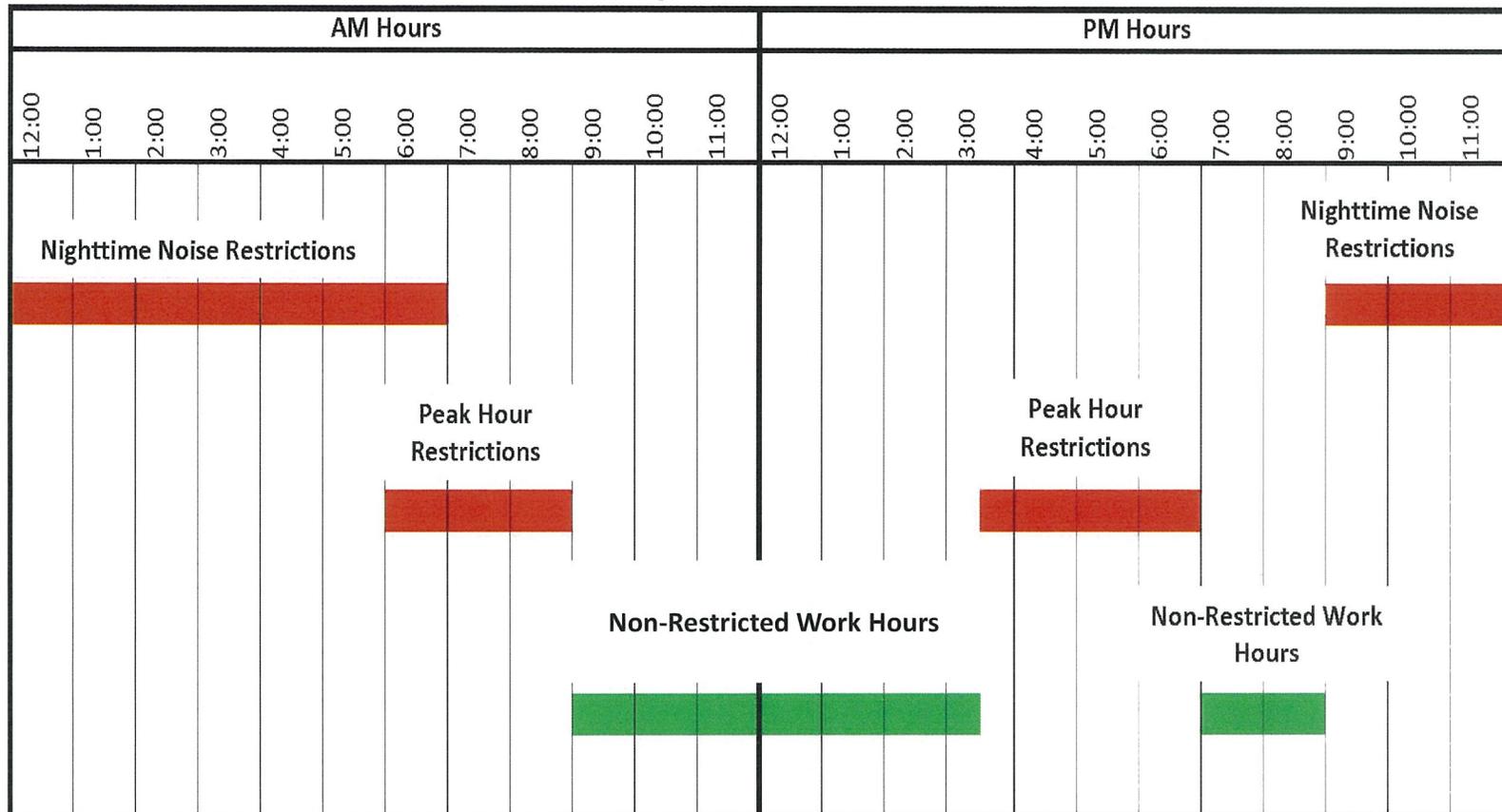
- Minimize overall duration of construction impacts
- Begin Advance Utility Relocation in July 2013
- Exemptions in Bid Documents
- Complete project in early 2023

## Exemptions:

- **Peak Hour:** Allows construction to continue in the public right of way during peak hours (rush hours)
- **Extended Work Hours:** Allows overnight work within specific noise limits
- **Holiday Moratorium:** Allows construction to continue between Thanksgiving and New Year's Day

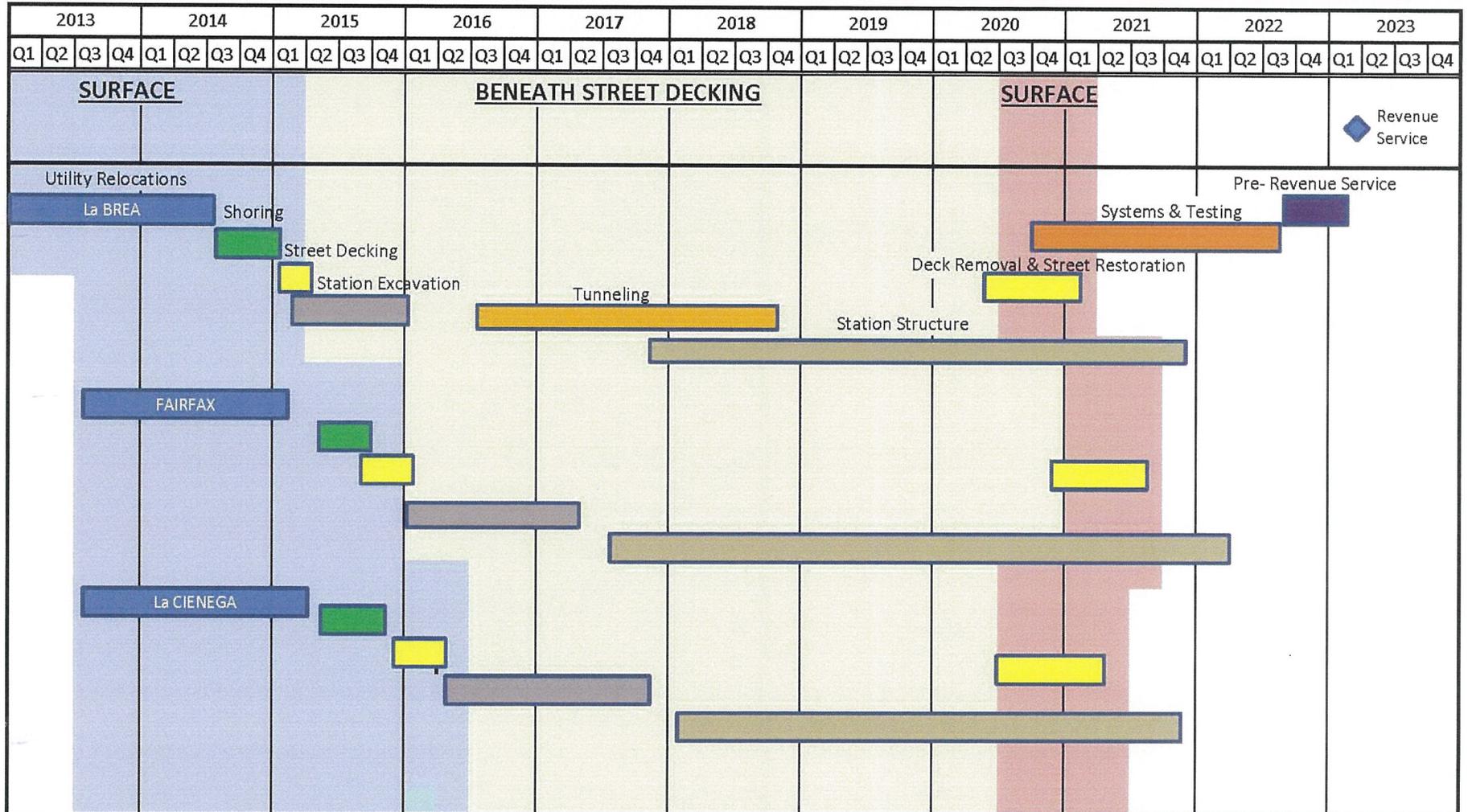


# Weekday Work Hour Restrictions



**Note:** Restrictions shown are for the City of Los Angeles. Restrictions for the City of Beverly Hills are similar.

# Optimal Schedule Without Restrictions



# Activities Requiring Exemptions

Activity	Work shifts	Peak Hour Exemption	Night-time Noise Variance	Holiday Moritorium	Weekend Closures
<b><u>Utilities, shoring and street decking</u></b>					
Utility Relocations	Days / Nights		✓	✓	
Building Demolition - Laydown Areas	Days			✓	
Pile Installation	Days / Nights	✓	✓	✓	
Street Decking	Days / Nights	✓	✓	✓	✓
Hauling / Materials Deliveries	Days / Nights		✓	✓	
<b><u>Below Street Decking</u></b>					
Tunnel Construction	Days / Nights		✓		
Station Construction	Days / Nights		✓		
Hauling / Materials Deliveries	Days / Nights		✓	✓	
<b><u>Remove street decking &amp; street restoration</u></b>					
Street Decking Removal	Days / Nights	✓	✓	✓	✓
Street Restoration	Days / Nights	✓	✓	✓	✓
Hauling / Materials Deliveries	Days / Nights		✓	✓	

# Work Hours and Provisional Schedule: Advanced Utility Relocation

Option	Time of Day	Work Hours	Total Work Hours per Week	Duration
1	Nights	Sun-Thurs 8pm - 6am	40 hours	12months
2	Days	Sun 9am-6pm Mon-Thurs 10am - 3pm	28 hours	19months

- Option 1:
  - Less impacts to traffic, pedestrians, on-street parking, business access & deliveries
  - Mitigations can be adopted (e.g. noisier work before 11pm)
  - Longer work window shortens overall duration of this activity
- Option 2:
  - Greater impacts to traffic, pedestrians, on-street parking, business access & deliveries
  - 19month schedule will impact independent utility relocations (SCE, So Cal Gas, AT&T)

**Note: Durations for both options assume Holiday Moratorium Exemption**

# Work Hours and Provisional Schedule: Pile Installation

Option	Time of Day	Work hours	Total work hours / week	Duration
1	Days & Nights	Mon - Fri 7am - 12 midnight (2 shifts)	80	30 weeks Using 2 rigs
2	Days	Sun 9am - 6pm Mon-Thurs 10am - 3 pm	28	120 weeks Using 1 rig

## **Option 1**

- Maintains 2 lanes of traffic each direction
- Requires peak hour, holiday moratorium & after hours exemptions
- Maximizes productivity in each 24 hour period

## **Option 2**

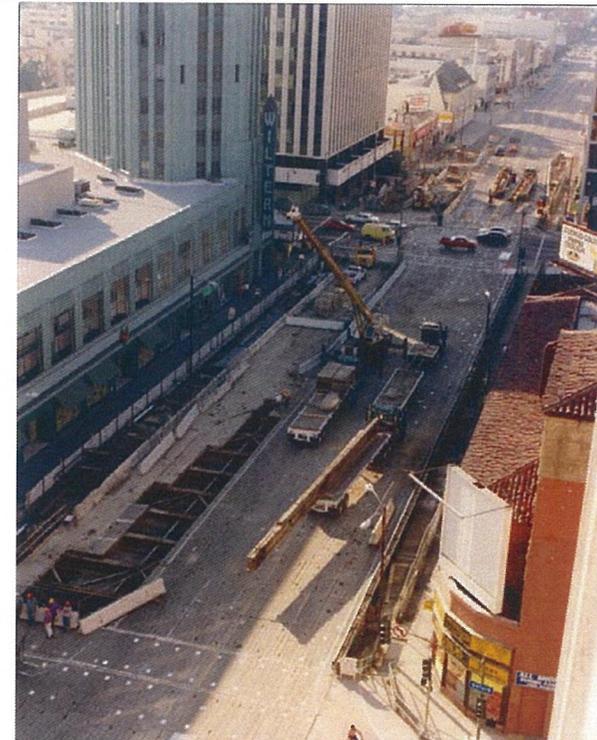
- Maintains 2 lanes of traffic each direction
- No peak hour, holiday moratorium or after hours exemptions
- Reduced productivity in each 24 hour work period

# Work Hours and Provisional Schedule: Deck Installation

Option	Time of Day	Work hours	Total work hours / week	Duration
1	Weekends: Days & Nights	Fri 11:59 pm to Mon 6:00 am	54	20 weekends

## Requires:

- Full street closure
- Peak hour work exemption
- Holiday moratorium exemption
- After Hours permit



# Stay in Touch

- [metro.net/purplelineext](http://metro.net/purplelineext)
- [purplelineext@metro.net](mailto:purplelineext@metro.net)
- Infoline: 213.922.6934
- [Twitter.com/purplelineext](https://twitter.com/purplelineext)
- [Facebook.com/purplelineext](https://facebook.com/purplelineext)



Questions?

