



CITY OF BEVERLY HILLS
TRAFFIC & PARKING COMMISSION

Meeting of September 1, 2016

TO: Traffic & Parking Commission
FROM: Aaron Kunz, Deputy Director of Transportation
SUBJECT: Purple Line Extension Community Meeting

Staff will provide an update on the Metro Purple Line Community Meetings presented on Monday, August 22, 2016. A morning meeting focused on the business community was held at the Beverly Hills Chamber of Commerce, and a resident-focused meeting was held in the evening at the La Cienega Community Center. Attachment A is the Metro presentation, Attachment B is the City of Beverly Hills presentation, and Attachment C is a copy of the outreach material announcing the meeting dates.

The next Metro Purple Line Community Meeting is scheduled on Wednesday, September 7, 2016 in the Municipal Gallery at City Hall starting at 6 p.m.

ATTACHMENT A

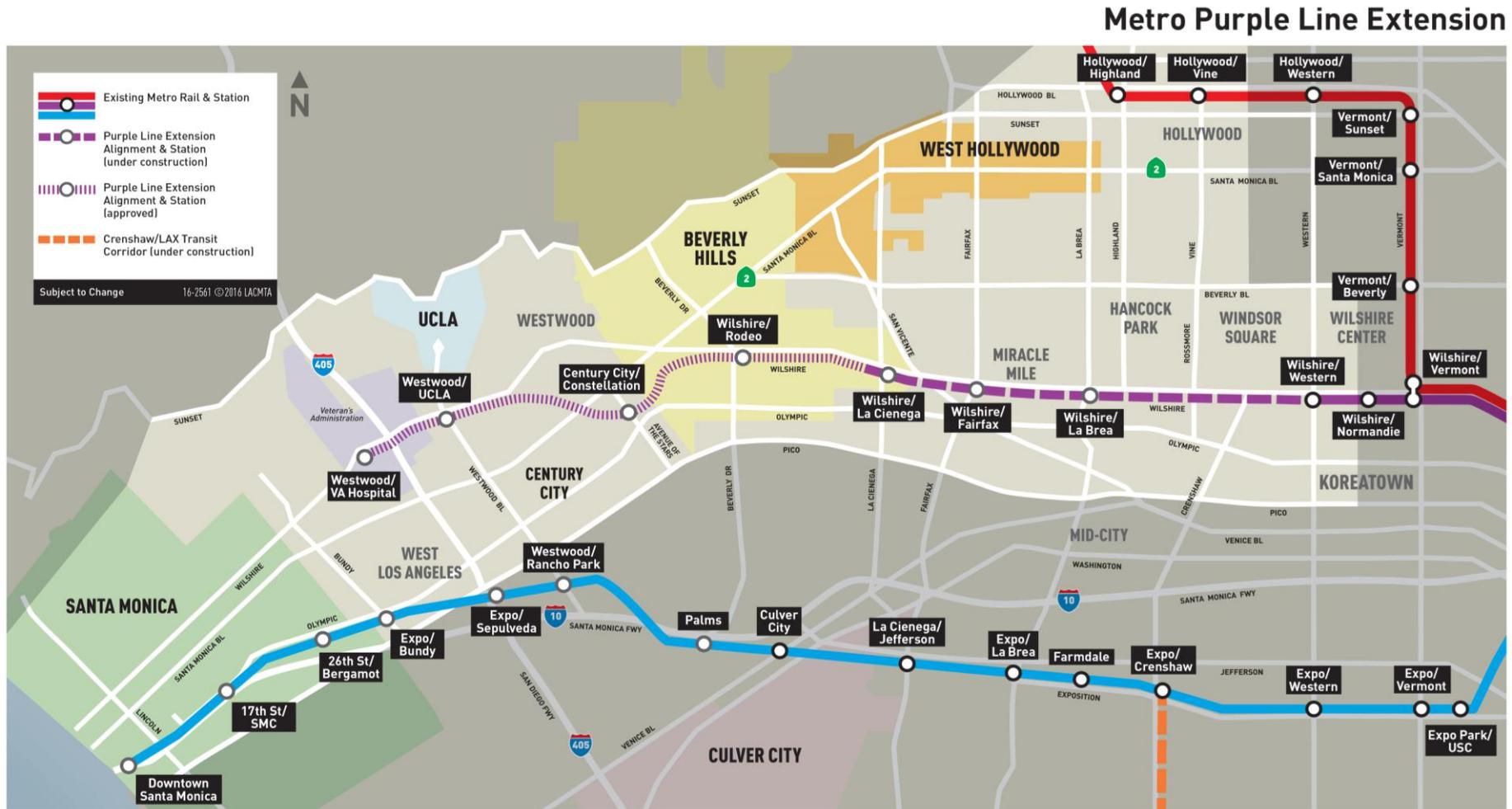
Purple Line Extension

Beverly Hills Community Meeting

August 22, 2016



Purple Line Extension Project Alignment



Section 2 and 3 Status

	Under Construction	Forecasted Schedule	
	Section 1	Section 2	Section 3
Length	3.92 Miles	2.59 Miles	2.48 Miles
New Stations	Wilshire/La Brea Wilshire/Fairfax Wilshire/La Cienega	Wilshire/Rodeo Century City/ Constellation	Westwood/UCLA Westwood/VA Hospital
Pre-Construction Activities	Current - 2016	2016 - 2018	2025 - 2027
Construction	2015 - 2023	2018 - 2026	2027 - 2035
Operations	2024	2026	2035

PLE Section 1 Alignment



La Cienega Station



Original rendering shows length of the La Cienega underground station box on Wilshire Blvd from La Cienega to Tower Dr. **Updated rendering expected early 2017.**

Advance Utility Relocation (AUR)

- Major work complete
 - Fiber, AT&T, Water, Sewer, Storm Drain, Power, Gas
- Punch list items remain- anticipate Metro completion September 2016
- Utilities self-performing cable pulling – anticipated completion January 2017



Demolition Future Staging Yards

- City Council approved on July 19, 2016
- Work hours: 8am-5pm
- Hauling hours: 9am-3:30pm
- Anticipated 10 weeks
- Work activities include:
 - Tree removal
 - Protective sidewalk cover installation on Wilshire and Gale
 - Building demo
 - Hauling
 - Intermittent sidewalk closures
 - Intermittent curb lane closure on Wilshire during street frontage demo work.



La Cienega Station Gale Yard

- Demolition of buildings on Gale and Wilshire - September 2016*
- Future Gale Staging Yard

* After bird nesting season

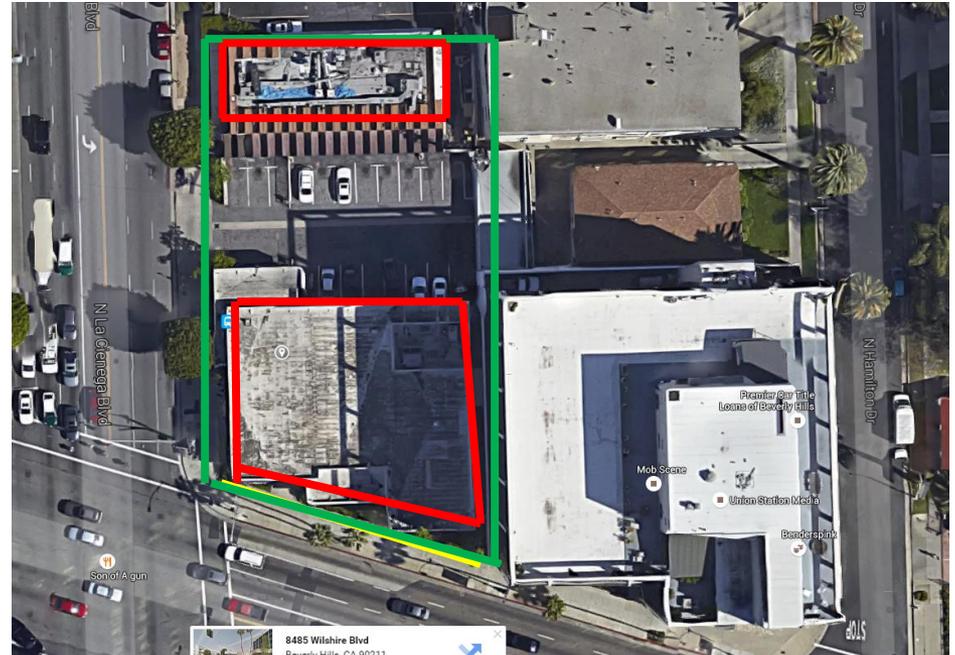


La Cienega Station La Cienega Yard

 Future La Cienega Staging Yard

 Buildings to be demolished
in September 2016*

* After bird nesting season



Staging Yards

Staging Yard Activities and Equipment

- Yard usage: 7am to 11pm, (11pm to 7am as needed)
- Sound wall is 20-24 feet high
- Maintenance of equipment
- Deliveries

Mitigations

- Must comply with COBH noise requirements
- Noise Control Signage
- Low Impact Back up alarms
- Acoustical Insulation
- Metro 5 Step Noise Plan



Eat Shop Play promotions and construction phase artwork



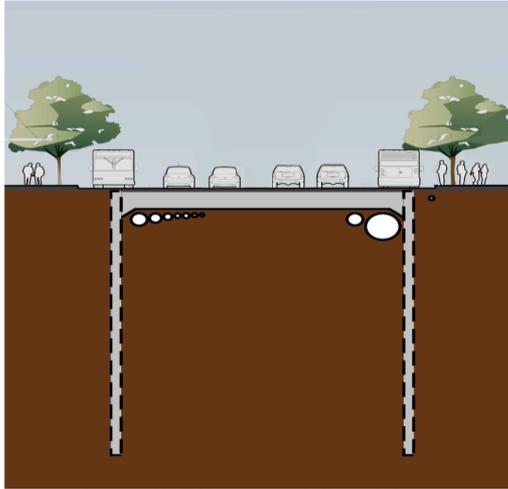
S La Brea Staging Yard Mitigation signage and 4th of July Flag Display at the yards

Purple Line Extension La Cienega Schedule

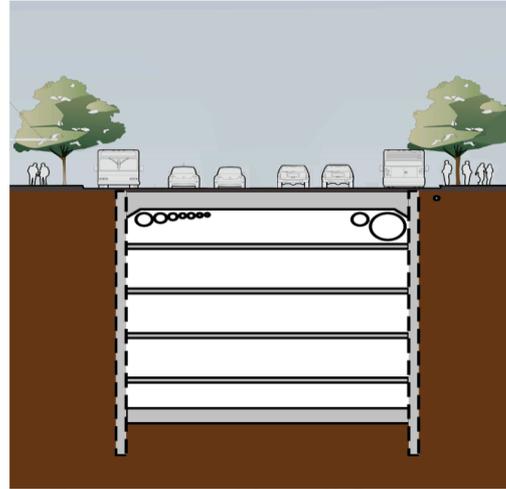
*As of August 15, 2016. Subject to Change

Year	2014				2015				2016				2017				2018				2019				2020				2021				2022				2023							
Quarter	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
Advanced Utility Relocation					AUR																																							
Piling									Piling																																			
Decking													Install																															
Station Excavation/Shoring													Excavation/Shoring																															
Tunneling																	Tunneling																											
Station																	Station																											
Testing																																					Testing							
Revenue																																												

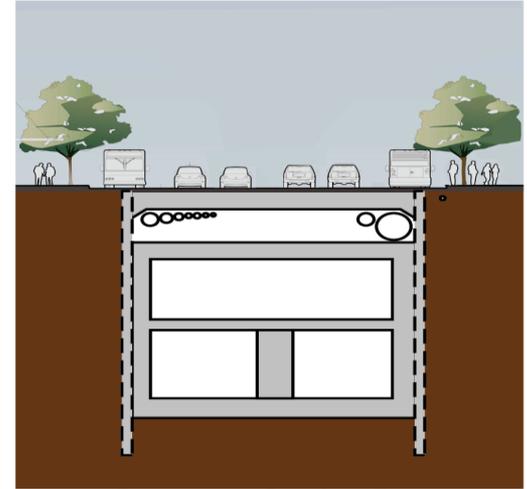
Station Construction Overview



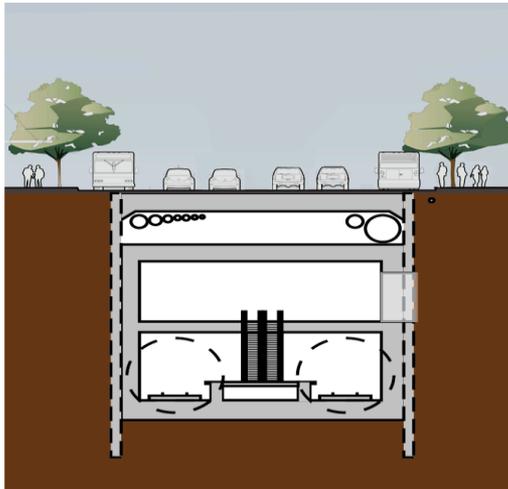
Install Piles and Decking



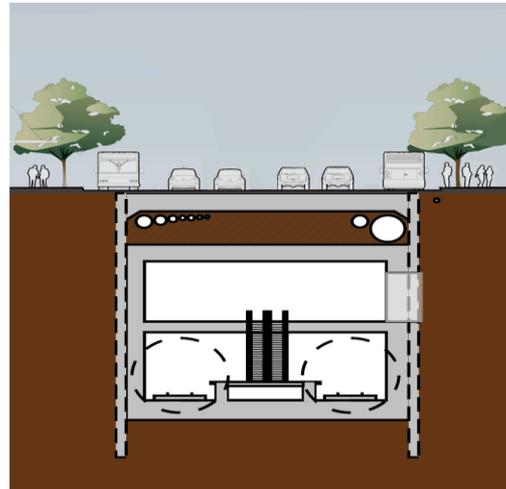
**Excavate and Install Supports
(from beneath decking)**



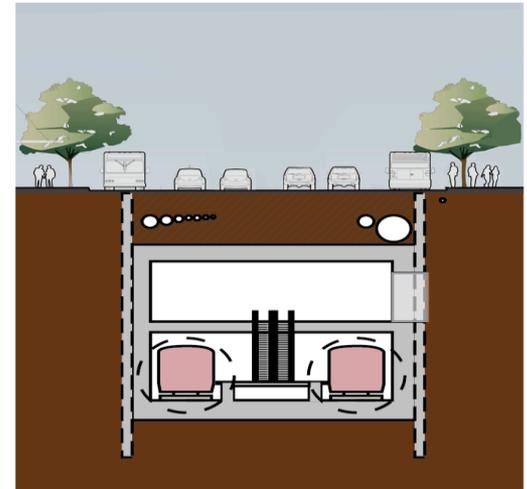
Construct Station Box



Complete Station Box



Backfill Above Structure



**Remove Decking and
Restore Street**

Potholing/Survey Traffic Reconfiguration

- If approved, work will take place during off-peak hours
 - Day: 7am-4pm
 - Night: 8pm-7am
- Use temporary lane closures similar to AUR
- Investigating utility conflicts with pile line
- Anything not labeled on existing plans

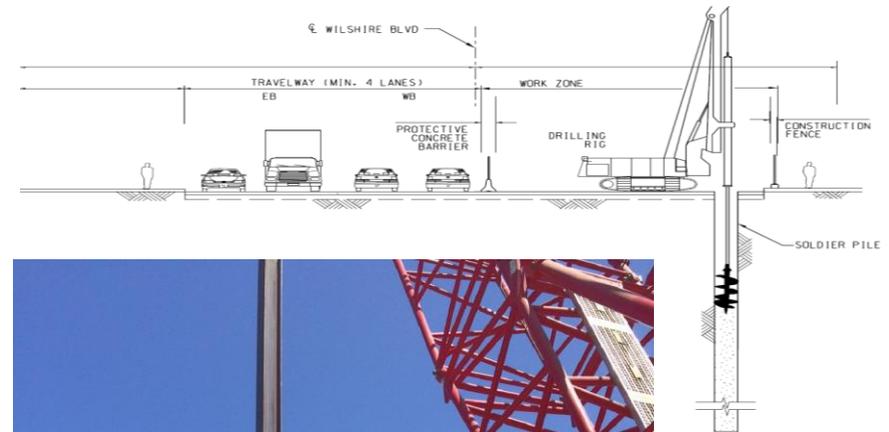


Potholing work for vault installation at La Cienega

Pile Drilling Installation

- 3-6 months, south side of Wilshire
- 3-6 months, north side of Wilshire

- On Wilshire, from San Vicente to La Cienega
- Pile installation includes:
 - Rig to construct 95ft (L) deep
 - Crane lifting 95ft (L) , 24 Inch H-piles into holes
 - 1-2 piles per day
 - Drilling, pile installation and backfilled concrete completed same day
- All work occurs behind a k-rail (concrete barriers).
- Operation anticipated to take approximately 3-6 months on each side of the street.
- Typical work hours 7am-8pm with potential nighttime work hours from 8pm-10pm cleanup.
- Wilshire is reduced to two lanes in each direction
- Additional weekend closures may be needed to install piles in intersection of Wilshire/La Cienega.



Piling work at Wilshire/La Brea

Pile Installation Traffic Reconfiguration

- Wilshire Reconfiguration, San Vicente to La Cienega
 - 2 lane westbound Wilshire, 2 lanes eastbound Wilshire
 - No medians, no parking on Wilshire



Decking Installation

- Approx. 20 weekends
- 8pm Fri – 6am Mon

Decking

- On Wilshire, between San Vicente and La Cienega
- Construction of a concrete deck, curb to curb
- Sidewalks will be maintained, or pedestrian detours created
- Decking will serve as the temporary street surface
- Traffic will travel on the installed deck panels while the station is constructed underground
- La Cienega Station:
 - Approx. 1000 feet long
 - Approx. 70 feet wide
 - Approx. 60 feet deep
- **Will work closely with First Responders on emergency access and safety**
- **Additional activities under decking closures: jet grouting, piling, temp. civil improvements.**

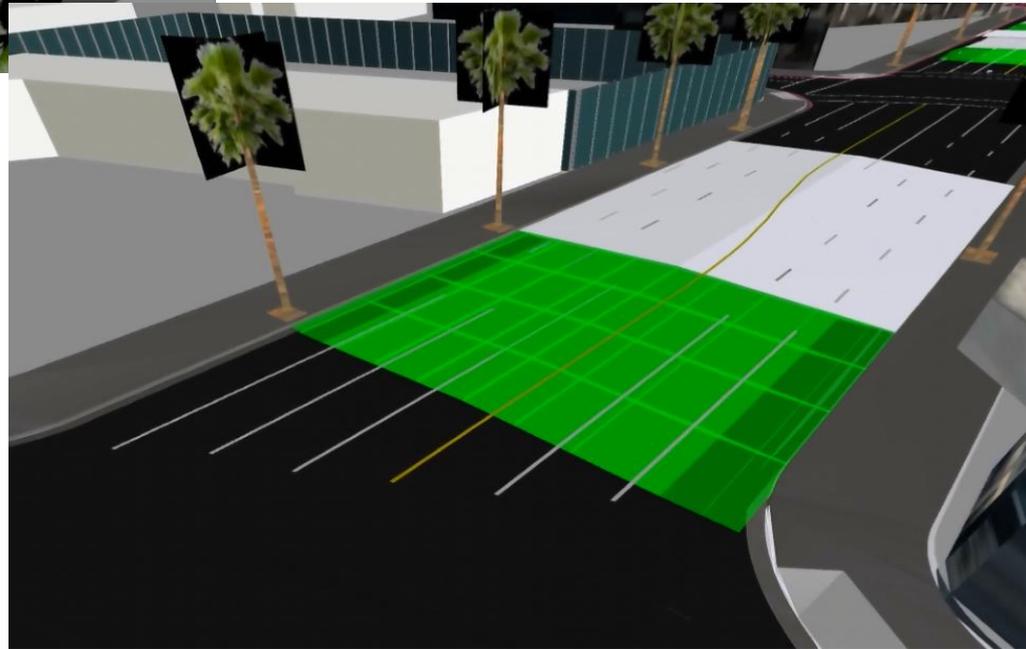


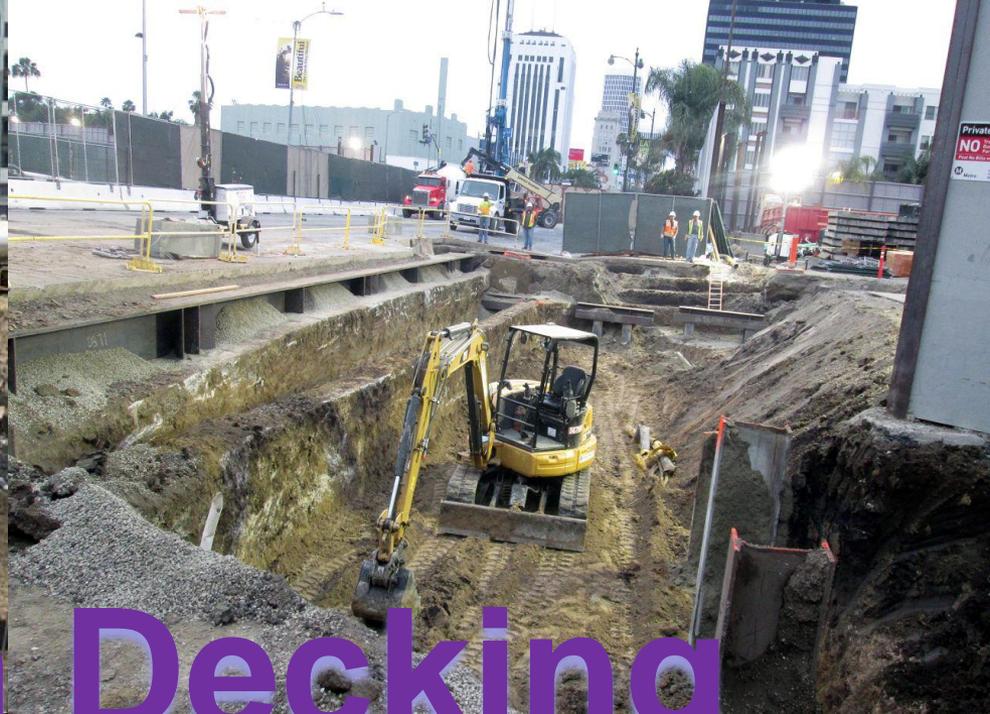
Asphalt removal on Wilshire Blvd near Detroit St



Steel Beams welding prior to concrete deck panel installation.

Decking Installation Set Up





La Brea Decking



Jet Grouting

- Work hours TBD by Council

Overview

- Jet grouting is a construction process that uses high-pressure air and grout to create a deep soil-concrete block.
- The purpose of jet grouting is to reinforce and strengthen the soil with concrete to support tunneling and cross-passage

Locations

- Jet Grouting will occur at 16 locations along Wilshire between La Cienega and Western.
- There may be **2 potential jet grouting locations at La Cienega** that will take place at each end of the station box near La Cienega and at Tower Drive.
- Approximately **6 weeks** at each location.

Work Hours

- 7am-8pm, major work
- 8pm-10pm, cleanup



Examples of jet grouting at Wilshire and Detroit behind K-rail

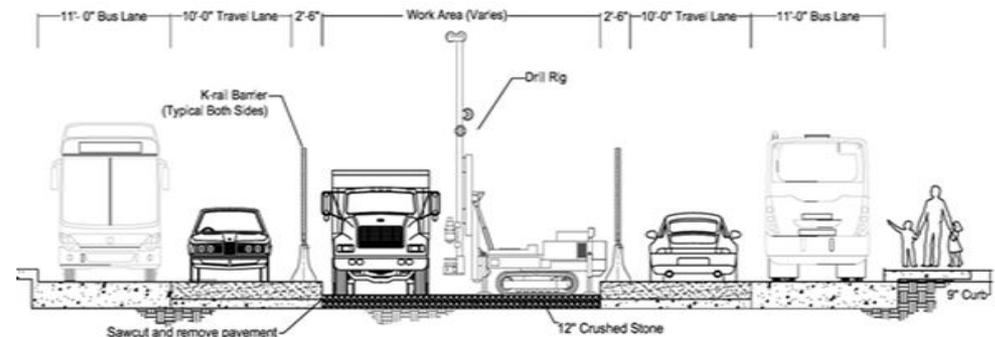
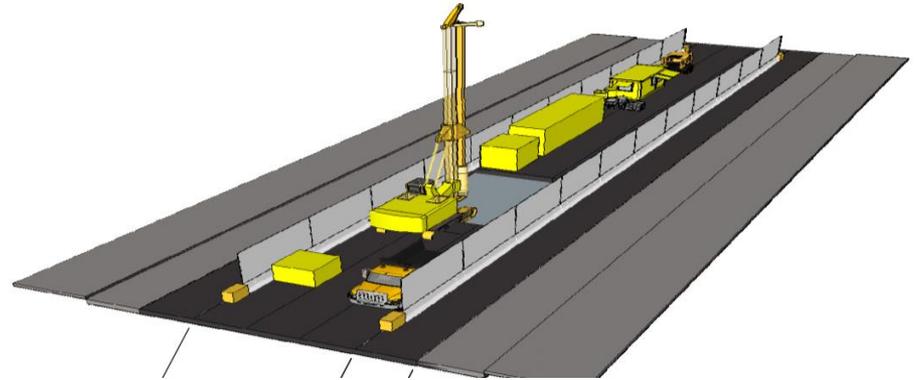
Jet Grouting Activities and Layout

Work Activities

- Potholing, street level excavation , vertical drilling , trucking, cement silos, pumps, generators

Layout

- Concrete Barriers placed on the middle lanes of Wilshire Blvd
- Lanes reduced to two lanes each direction at Jet grouting locations
- Bus stops will be temporarily relocated as required



Deck Openings

What:

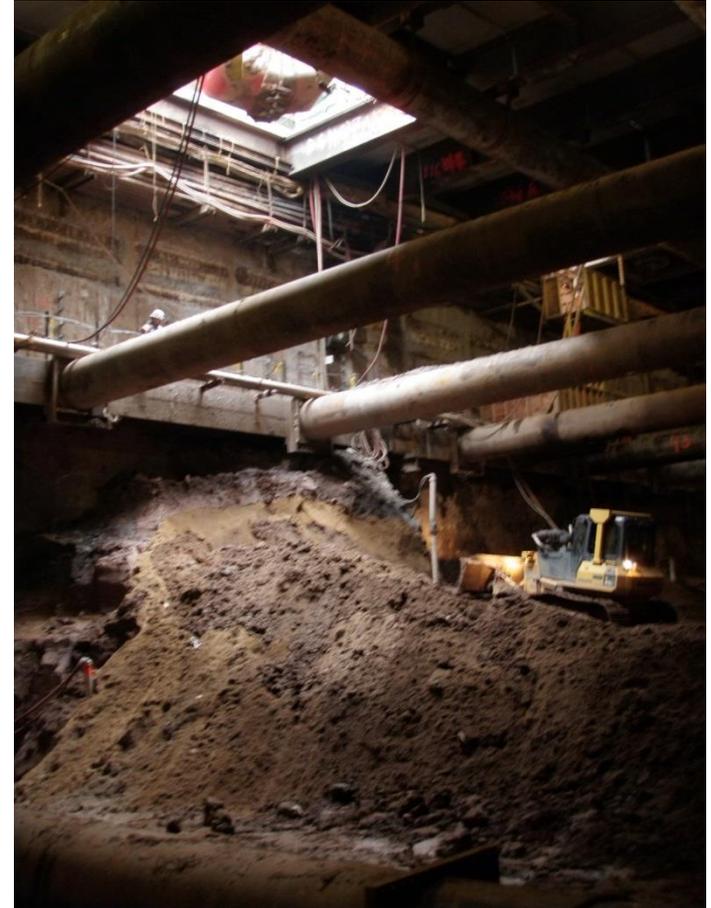
- Deck openings are openings of the street-deck for the purpose of delivering materials for underground construction.
- Deck openings will be done at locations of the deck that are designed to open and close.
- Deck openings will occur periodically, as needed
- Deck panels are 8ftx14ft

When:

- Following La Cienega decking, late 2017
- Throughout the duration of the project

How:

- Off-peak hour lane closures
 - If approved, afterhours work can continue



Example of a deck opening from underneath the deck

Station Excavation/Shoring/Construction

- 24/7 underground

- Work primarily occurs underground beneath concrete decking
- Surface activities include
 - Deliveries
 - Soil removal
 - Concrete pumping
- Material delivery and hauling occurs day/night



Example of underground station construction

Tunneling

Tunnel Boring Machine (TBM)

- 24/7 underground

- Twin Tunnel Boring Machines (TBM)
 - TBM Naming and Art contest in 2017/2018!
- Not expected to generate surface noise or vibration
- Moves approximately 50 feet/day
- TBM will be removed from the ground at La Cienega



Decking Removal Street Restoration

Decking

- 17 weekends
- On Wilshire, between San Vicente and La Cienega
- Removal of concrete deck, curb to curb
- Sidewalks will be maintained, or pedestrian detours created
- Decking will serve as the temporary street surface
- Schedule will mimic Decking Installation
- **Will work closely with First Responders on emergency access and safety**
- **Additional activities under decking closures: jet grouting, piling, temp. civil improvements.**

Street Restoration

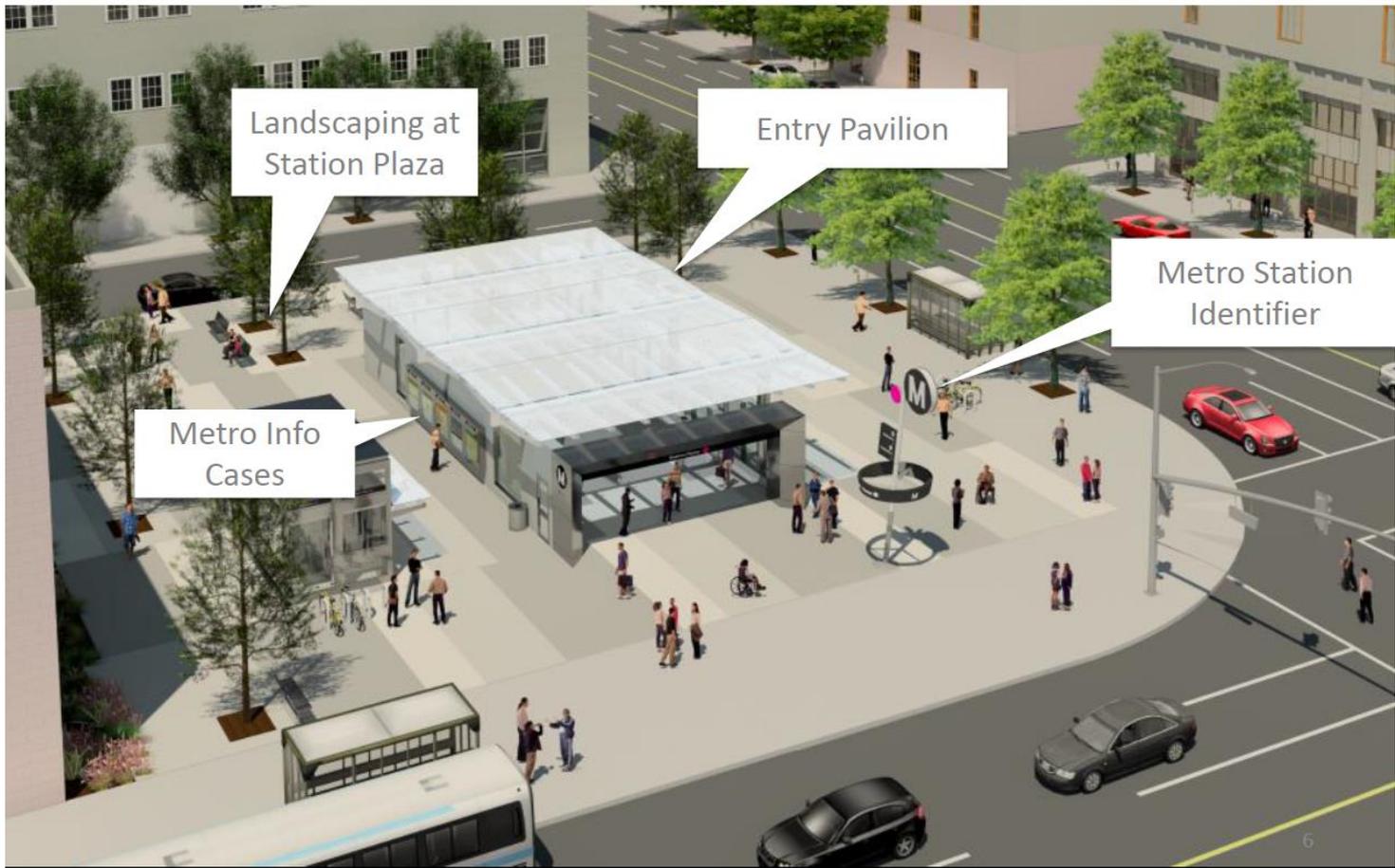
- Once decking is removed permanent street surface will be completed.
- New street paved with new curbs, gutters, sidewalks



Decking will be removed once station is constructed underground.

Station Overview

Typical Subway Station Entrance



Stay in Touch

	www.metro.net/purplelineext
	twitter.com/purplelineext
	facebook.com/purplelineext
	213.922.6934
	purplelineext@metro.net



Metro®

ATTACHMENT B



Purple Line Extension Community Meeting



MOVING TOWARDS THE FUTURE

August 22, 2016



Agenda

- Introductions
- Meeting Goals
- Project Overview and Schedules
- Proposed Memorandum of Agreement Overview
- Stay in Touch!
- Q & A



Meeting Goals

- Provide overview on construction of Phase I (Wilshire/La Cienega Station) of the Purple Line Extension in Beverly Hills:
 - Highlight key areas of the project
 - Engage the community through ongoing communication
- Present updates on the Memorandum of Agreement
 - Purpose
 - What has occurred: Negotiations and Proposed Agreement
 - Next Steps



Previous City Outreach Meetings

- **Demolition/Construction & Mitigation Efforts**
 - December 12, 2015
- **Project Overview & Schedule/Construction Mitigation**
 - November 10, 2015
 - November 12, 2015
- **MOA/Project Overview & Schedule**
 - March 16, 2015
 - March 26, 2015



Kasey Shuda

Construction Relations Manager

Metro

Representative for the Purple Line Extension Section 1
(Wilshire/La Cienega)





Rob Welch
Project Manager
City of Beverly Hills
Metro – Purple Line Extension





Memorandum of Agreement (MOA)

Purple Line Extension Project – Segment 1





Purpose of MOA

FOCUS AREAS:

Work Hours

Traffic

Noise

Light

Business Mitigation

- The purpose of the MOA is to:
 - Minimize project construction impacts in Beverly Hills through mitigation measures
 - Establish verification procedures and penalties for non-compliance
 - Ensure that the project complies with the standards and requirements of the City of Beverly Hills



MOA Development & Approval

- Result of ongoing negotiations between the City and Metro, inclusive of feedback from community and key stakeholders
- Next steps: after community meeting, City Council will review for possible final approval
- MOA will be forwarded to the Metro Board of Directors



Proposed Mitigation Measures

- Allowable Work Hours and Workdays
- Construction Staging, Traffic Control and Parking
- Noise Control Plans: Mitigation and Monitoring
- Light Plans
- Independent compliance monitor for enforcement of permit conditions
- Business mitigation assistance
 - Eat, Work and Play program
- Tree removal and replacement
- Advance notification and public phone line



Allowable Work Hours and Days

Construction Activity	Weekdays	Weekends
Engineering	7:00am – 4:00pm 8:00pm – 7:00am*	8:00am – 7:00pm*
Utility Relocation & New Utility Service	7:00am – 4:00pm 8:00pm – 7:00am*	8:00am – 6:00pm* 6:00pm – 8:00am*
Pile Installation & Jet grouting/well installation and dewatering activities	7:00am – 8:00pm 8:00pm – 10:00pm (cleanup)	7:00am – 8:00pm 8:00pm – 10:00pm (cleanup)
Pile installation (across Wilshire)	Not Permitted	7:00am – 8:00pm 8:00pm – 10:00pm (cleanup)
Deck installation	Friday 8:00pm – Monday 7:00am	Friday 8:00pm – Monday 7:00am
Access through deck panels for material delivery and maintenance	7:00am – 4:00pm (two lanes each way) 10:00pm – 7:00am (one lane each way)**	7:00am – 4:00pm (two lanes each way) 10:00pm – 7:00am (one lane each way)**
Work in staging yards	7:00am – 6:00pm 6:00pm – 7:00am**	7:00am – 6:00pm 6:00pm – 7:00am**
Deck Removal	Friday 8:00pm – Monday 7:00am	Friday 8:00pm – Monday 7:00am



Allowable Work Hours and Days Continued

Construction Activity	Weekdays	Weekends
Street Restoration behind concrete barriers for curb, gutter, bus pad and sidewalk	7:00am – 8:00pm 8:00pm – 10:00pm (Cleanup) 10:00pm – 7:00am*	7:00am – 8:00pm 8:00pm – 10:00pm (Cleanup) 10:00pm – 7:00am*
Utility Restoration Work	7:00am – 4:00pm 8:00pm – 7:00am*	8:00am – 6:00pm 6:00pm – 8:00am*
Final Street Restoration	7:00am – 4:00pm 8:00pm – 7:00am*	8:00am – 6:00pm 6:00pm – 8:00am*

- *Work hours may be permitted only for the following activities and by pre-approval of the city:
- Construction that will create planned service interruptions for water, electrical power and sewer;
 - Construction where the work zone is located in the intersection of Wilshire & La Cienega;
 - Construction activities requiring the reduction of available traffic lanes on Wilshire to one lane in either direction;
 - Construction where the work zone is located in the sidewalk and building entrances or adequate pedestrian access cannot be provided; and
 - Construction activities when the work zone requires complete closure of driveways.

**Subject to the LACMTA work plan to be presented and jointly agreed to by City.

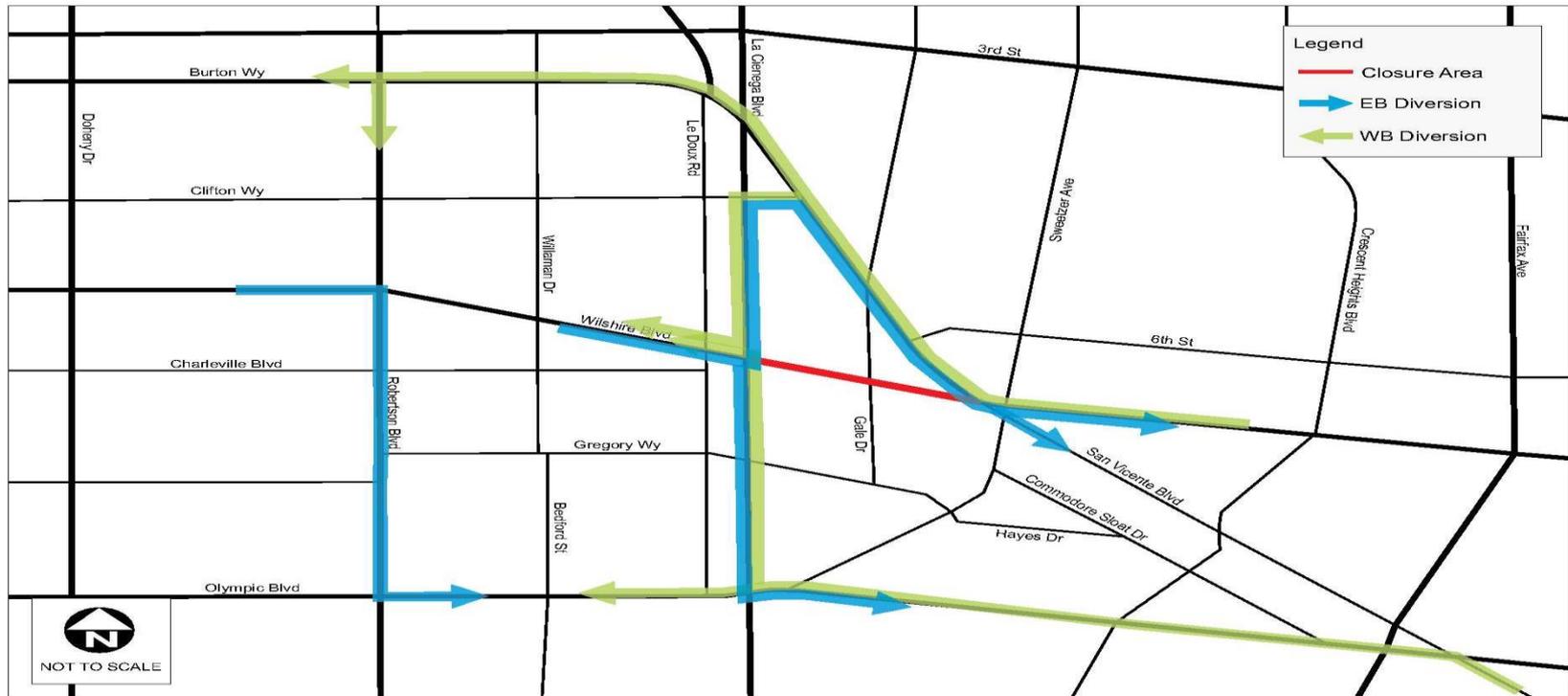


Deck Installation

- Anticipated schedule 2017 & 2022
 - 17 Consecutive Weekend Closures
 - Wilshire Boulevard
 - Friday 8pm to Monday 7am
 - 59 hours
- Will include both installation and removal



Detours and Interim Access



Detour Routes During Full Closures of Wilshire Boulevard



Proposed Traffic Mitigation

The general traffic lane requirements for work on Wilshire and La Cienega Boulevards will comply with the following:

1. Three Lanes in each direction from 7:00AM – 9:00AM
2. Two Lanes in each direction from 9:00AM – 4:00PM
3. Three Lanes in each direction from 4:00PM – 8:00PM
4. One Lane in each direction from 8:00PM – 7:00AM

The minimum lane requirement on residential streets is one lane in each direction.



Proposed On-Street Parking Limitations

- Metro will be prohibited from parking any vehicles or equipment on-streets unless the City agrees
- Metro is not expected to use on-street parking except when equipment must be placed on street
- Metro will reimburse the City for any lost metered parking revenue when it removes a meter from service



Proposed Noise Control

Source	Noise Control Measures
Backup Alarms	<ul style="list-style-type: none">• When used, they shall be low impact alarms (manually-adjustable, self-adjusting and broadband alarms)• Configure traffic pattern to minimize backing movement
Slamming Tailgates	<ul style="list-style-type: none">• No slamming of tailgates• Establish truck cleanout staging areas as needed• Use rubber gaskets or equivalent or decrease speed of closure
Pavement Breakers (Jackhammers)	<ul style="list-style-type: none">• Fit with manufacturer approved exhaust muffler• Enclose pavement breaker and cutting activities with a noise barrier fence
Vibratory Rollers and Packers	<ul style="list-style-type: none">• Use to be avoided near vibration sensitive areas and structures (Areas to be determined by a structural engineer, subject to verification by City)
Drilling for Piles	<ul style="list-style-type: none">• No impact pile driving will be used
Prolonged Idling of Equipment	<ul style="list-style-type: none">• No idling of heavy equipment or vehicles when not in use• Locate equipment away from noise sensitive areas to the extent possible



Proposed Light Mitigation

- Lighting will be directed downwards and shielded
- Avoid directing lights toward automobile drivers and residential areas
- Temporary lighting will be limited to the amount necessary to safely perform work and ensure pedestrian safety



Proposed Business Mitigation

- City has negotiated a variety of business mitigation measures that Metro shall administer
- Mitigation measures are to assist businesses financially affected by Segment 1 of the Purple Line Extension
- The measures include, but not limited to, the following:
 - Advertising/marketing
 - Eat, Shop, Play (ESP) Program
 - Parking mitigation
 - Communications and outreach support banners/signage



Independent Compliance Monitor

- Must be on site at all times during work construction
- Empowered to enforce and order compliance of all mitigation measures
 - Including halting or prohibiting work that violates or would cause a violation
- Work cannot be resumed until violation(s) is resolved
- Violation(s) could result in monetary fines



Notification and Contact

- Public phone line
- Public meetings
- Project website
- Social media
- Electronic and traditional mail
- On-street portable changeable message boards



Advance Notification

Type of Activity	Required Notification
Start of Each Major Construction Activity and the Demolition of any Building	<ul style="list-style-type: none"> • 21 Calendar Days – On Street Changeable Message Signs • 14 Calendar Days (1st Notice) – Mail or Hand Deliver • 2 Calendar Days (2nd Notice) – Mail or Hand Deliver • Updates via Eblast, Website, Facebook and Twitter
Utility Service Interruption	<ul style="list-style-type: none"> • 30 Calendar Days – Mail or Hand Deliver • 2 Calendar Days – Hand Deliver
Driveway Closure	<ul style="list-style-type: none"> • 7 Calendar Days – Mail or Hand Deliver • 2 Calendar Days – Mail or Hand Deliver
Sidewalk Closure	<ul style="list-style-type: none"> • 7 Calendar Days – On-street signs • 2 Calendar Days – Hand Deliver to residents and businesses
Lane Closure	<ul style="list-style-type: none"> • 7 Calendar Days – On-street Changeable Message Signs • Updates via Eblast, website, Facebook and Twitter
No Parking	<ul style="list-style-type: none"> • 7 Calendar Days – On-street signs • Updates via Eblast, website , Facebook and Twitter



Stay in Touch

City Webpage: www.beverlyhills.org/future

Email: purpleline@beverlyhills.org



@CityofBevHills



/CityofBeverlyHills

Mail:

City of Beverly Hills Public Works, Civil Engineering 345
Foothill Road, Beverly Hills, CA 90210

Phone:



Metro Hotline: (213) 922-6934



Public Works: (310) 285-2467



Questions?



ATTACHMENT C



MOVING TOWARDS THE FUTURE

Come to a meeting to learn more about a proposed agreement with Metro regarding Beverly Hills construction activity for the Purple Line Extension (Wilshire/La Cienega station).

Updates will be provided on:

- ▶ Construction work hours
- ▶ Noise, light and other impacts
- ▶ Detour routes and parking options
- ▶ Business access:
 - ✓ Replacement parking
 - ✓ Pedestrian and vehicle circulation
- ▶ Business impact mitigation assistance

Business Focused Meeting

Monday, August 22, 8:30 a.m. – 10:00 a.m.
Beverly Hills Chamber of Commerce (Boardroom)
9400 S. Santa Monica Blvd., 2nd Floor
Free two-hour parking at the Beverly-Cañon City structure

or

Resident Focused Meeting

Monday, August 22, 6:00 p.m. – 8:00 p.m.
La Cienega Community Center
8400 Gregory Way
Free two-hour parking at the La Cienega Tennis Center

Just in Case You Can't Make Either!

Wednesday, September 7, 6:00 p.m. – 8:00 p.m.
City Hall (Municipal Gallery) 455 N. Rexford Drive
Free two-hour parking at the Rexford City structure
(adjacent to the Library)

City Webpage: www.beverlyhills.org/future

Email: PurpleLine@beverlyhills.org

Phone: (310) 285-2467 (Public Works Customer Service)

Hotline: (213) 922-6934  Metro

