



Environmental  
Intelligence, LLC

November 27, 2018

Mr. Robert Welch  
Project Manager  
City of Beverly Hills  
345 Foothill Road  
Beverly Hills, CA 90210

Mr. Joseph DeMello  
Director, Construction Manager  
Westside Purple Line Extension Section 1  
Los Angeles County Metropolitan Transportation Authority  
One Gateway Plaza, 17<sup>th</sup> Floor  
Los Angeles, CA 90012

**Subject:** Segment 1 - Purple Line Extension Project ICM Weekly Report  
**November 18, 2018 – November 24, 2018**

Dear Mr. Welch and Mr. DeMello,

Environmental Intelligence, LLC (EI) has been retained by the City of Beverly Hills (COBH) and the Los Angeles County Metropolitan Transportation Authority (Metro) to serve as the independent compliance monitor (ICM) during construction of the Purple Line Extension Project. Monitoring is required to ensure construction is in compliance with (1) the Memorandum of Agreement (MOA) for Advance Utilities Relocation Phase of the Purple Line Extension Project – Segment 1 – Between the City of Beverly Hills and the Los Angeles Metropolitan Transportation Authority (City Agreement No. 452-14), and (2) the MOA for Contract C1045 of the Purple Line Extension Project – Segment 1 – Between the City of Beverly Hills and the Los Angeles County Metropolitan Transportation Authority (City Agreement No. 66-16). The following information summarizes the ICM monitoring activities that occurred at the Segment 1 site (La Cienega Station site) during the week of **November 18, 2018 – November 24, 2018**. Construction activities were not conducted on November 18, 22, 23, or 24.

Construction activities during the week included hauling soil out of the Gale yard, stockpiling soil in the Gale yard, working on the XP 26 Demobilization Punchlist along Wilshire Blvd. from La Cienega Blvd. to Hamel Dr., borehole installation at the northeast corner of the La Cienega Blvd./Wilshire Blvd. intersection, installing access ladders in the Gale shaft, as well as excavating and lagging below deck. EI ICMs were present on site during all construction activities. ICMs conducted routine noise measurements at selected noise monitoring locations as well as compliance checks in accordance with the MOAs and associated attachments, exhibits, traffic closure notifications, and traffic management plans. At the conclusion of each work shift, daily monitoring reports were prepared by the respective ICM. Any violations for that date were also prepared by the ICM then reviewed and submitted to the COBH and Metro by EI's Project Manager.

## **VIOLATION SUMMARY**

During the week, EI ICMs identified no violations during construction activities. Daily monitoring reports and photographs of construction activities are provided as Attachment A (*Daily Monitoring Reports*). Daily noise monitoring data are provided in Attachment B (*Noise Monitoring Data Log*).

Robert Welch  
Joseph DeMello  
November 27, 2018

## CONCLUSION

To date, 186 violations have been issued, 18 of which have been rescinded since the beginning of construction on the C1045 Contract for the Purple Line Extension Project – Segment 1. Project construction activities are ongoing and EI ICMs continue to monitor all construction activities applicable to the MOAs on a daily basis.

If you have any questions or comments regarding this letter, please contact me directly at 310.469.8989 or jeremiahgeorge@enviro-intel.com.

Sincerely,

**ENVIRONMENTAL INTELLIGENCE, LLC**



Jeremiah George  
Project Manager

**Attachments:** Attachment A: Daily Monitoring Reports  
Attachment B: Noise Monitoring Data Log

**cc:** Valerie Mudegoren, City of Beverly Hills  
Nell Mardirosian, Los Angeles County Metropolitan Transportation Authority  
Michelle Marquez-Riley, Los Angeles County Metropolitan Transportation Authority  
Candace Lee, Los Angeles County Metropolitan Transportation Authority  
Brett Barnett, Psomas  
Bill Zein, Psomas  
Alex Kay, City of Beverly Hills



**Attachment A**  
**Daily Monitoring Reports**  
 11/18/2018 - 11/24/2018



**Summaries (5)**

**Date** Monday, November 19, 2018  
**Monitor** Heather Bell  
**Location** La Cienega Station  
**Time** 06:00:00 to 16:00:00  
**Compliant** Yes  
**Summary** Contractors/Subcontractors: STS; Mad Transportation; Century Sweeping

Representatives On-Site: Jacob Ravaghi (STS); Howard Jordan (STS); Alex Morales (STS); Tarek Hamdi (Metro); Andrew Baldwin (Metro); Andrea Morales (Kroner)

Work Location(s): La Cienega yard; Gale yard; N. Gale Dr. closure

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 06:00 hours to 16:00 hours on November 19th, 2018. EI ICM Heather Bell met with STS Superintendent Jacob Ravaghi and Metro Inspector Tarek Hamdi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 93.9 dB (to 94.00 dB).

Work for the day included stockpiling soil and receiving deliveries in the Gale yard; hauling soil out of the Gale yard; as well as excavating below deck and working on an access ladder in the Gale shaft.

Crews began operating the crane in the Gale yard at 06:47 hours, but it was operated at a low rpm, and its use did not produce a noise exceedance.

**Date** Monday, November 19, 2018  
**Monitor** Annamarie Hand  
**Location** La Cienega Station  
**Time** 19:45:00 to 00:00:00  
**Compliant** Yes  
**Summary** Contractors/Subcontractors: STS

Representatives On-Site: Javier Avilla (STS); David Hammers (Psomas)

Work Location: Sidewalks along the north and south sides of Wilshire Blvd. between La Cienega Blvd. and Willaman Dr.; westbound and eastbound lanes of Wilshire Blvd. between La Cienega Blvd. and Hamel Dr.

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the night's work from 19:45 hours to 00:00 hours on November 19th, 2018. EI ICM Annamarie Hand met with STS Foreman Javier Avilla to discuss the night's activities. At the beginning of the shift, the ICM calibrated the sound meter at 94.00 dB.

Work for the night consisted of completing items on the XP 26 Demobilization Punchlist. Crews adjusted the lengths of parking stalls and repainted parking Ts previously not in place/painted correctly.





**Attachment A**  
**Daily Monitoring Reports**  
 11/18/2018 - 11/24/2018



**Date** Tuesday, November 20, 2018  
**Monitor** Heather Bell  
**Location** La Cienega Station  
**Time** 06:00:00 to 16:00:00  
**Compliant** Yes  
**Summary** Contractors/Subcontractors: STS; Mad Transportation; Century Sweeping

Representatives On-Site: Mohammad Ramlawi (STS); Jacob Ravaghi (STS); Howard Jordan (STS); Alex Morales (STS); Tarek Hamdi (Metro)

Work Location(s): La Cienega yard; Gale yard; N. Gale Dr. closure; sidewalk on the east side of La Cienega Blvd. near the northeast corner of the La Cienega Blvd./Wilshire Blvd. intersection

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 06:00 hours to 16:00 hours on November 20th, 2018. EI ICM Heather Bell met with STS Superintendent Jacob Ravaghi and Metro Inspector Tarek Hamdi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 93.9 dB (to 94.00 dB).

Work for the day included stockpiling soil in the muck pit in the Gale yard; hauling soil out of the Gale yard; working on the access ladder in the Gale shaft; excavating and lagging below deck; as well as borehole activities on the east sidewalk of La Cienega Blvd. near the northeast corner of the La Cienega Blvd./Wilshire Blvd. intersection.

Crews began operating the crane in the Gale yard at 06:51 hours, but it was operated at a low rpm, and its use did not produce a noise exceedance.

At 12:06 hours, ICM Heather Bell observed water leaking onto the sidewalk from the northeast corner of the Gale yard. The ICM notified STS, and the leak was promptly stopped. The leak did not impact sidewalk accessibility, nor did it create a hazard to pedestrians.

**Date** Tuesday, November 20, 2018  
**Monitor** Annamarie Hand  
**Location** La Cienega Station  
**Time** 19:45:00 to 23:45:00  
**Compliant** Yes  
**Summary** Contractors/Subcontractors: STS

Representatives On-Site: Javier Avilla (STS)

Work Location(s): Sidewalks along the north and south sides of Wilshire Blvd. between La Cienega Blvd. and Carson Rd.; westbound and eastbound lanes of Wilshire Blvd. between Le Doux Rd. and Carson Rd.; Le Doux Rd./Wilshire Blvd. intersection

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the night's work from 19:45 hours to 23:45 hours on November 20th, 2018. EI ICM Annamarie Hand met with STS Foreman Javier Avilla to discuss the night's activities. At the beginning of the shift, the ICM calibrated the sound meter at 94.00 dB.

Work for the night consisted of completing items on the XP 26 Demobilization Punchlist. Crews adjusted the lengths of parking stalls and repainted parking Ts on Wilshire Blvd.; as well as grinded off traffic stripes and re-striped southbound Le Doux Rd. at Wilshire Blvd.





**Attachment A**  
Daily Monitoring Reports  
11/18/2018 - 11/24/2018



**Date** Wednesday, November 21, 2018

**Monitor** Heather Bell

**Location** La Cienega Station

**Time** 06:00:00 to 13:30:00

**Compliant** Yes

**Summary** Contractors/Subcontractors: STS; Mad Transportation; Century Sweeping; Group Delta; VCI

Representatives On-Site: Mohammad Ramlawi (STS); Jacob Ravaghi (STS); Howard Jordan (STS); Alex Morales (STS); Tarek Hamdi (Metro)

Work Location(s): La Cienega Yard; Gale Yard; N. Gale Dr. closure

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 06:00 hours to 13:30 hours on November 21st, 2018. EI ICM Heather Bell met with STS Superintendent Jacob Ravaghi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 93.9 dB (to 94.00 dB).

Work for the day included stockpiling soil in the Gale yard; hauling soil out of the Gale yard; as well as lagging and excavating below deck.

Crews began operating the crane in the Gale yard at 06:53 hours, but it was operated at a low rpm, and its use did not produce a noise exceedance.

At 11:06 hours, the ICM Heather Bell observed a VCI vehicle parked along the east side of N. Gale Dr. directly north of the N. Gale Dr. closure signage. Using on-street parking for project-related vehicles is a violation of Article XII and Exhibits A and E of the MOA. The ICM notified the driver that using on-street parking is prohibited, and the vehicle was moved immediately. The ICM also notified Metro Inspector Tarek Hamdi of the issue. A violation was not issued.





# Photos



## Photos (13)

**UID:** 2378 **Latitude:** 34.0655  
**Date:** Nov 19, 2018 **Longitude:** -118.37418  
**Type:** Construction Activity **Elevation:** ---

**Notes**

Photo shows Mad Transportation dump trucks arriving to the Gale yard to haul soil off-site.



**UID:** 2379 **Latitude:** 34.06488  
**Date:** Nov 19, 2018 **Longitude:** -118.3744  
**Type:** Construction Activity **Elevation:** ---

**Notes**

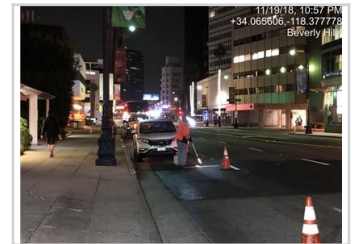
Photo shows a Mad Transportation dump truck preparing to haul soil out of the Gale yard.



**UID:** 2383 **Latitude:** 34.0657  
**Date:** Nov 19, 2018 **Longitude:** -118.37778  
**Type:** Construction Activity **Elevation:** ---

**Notes**

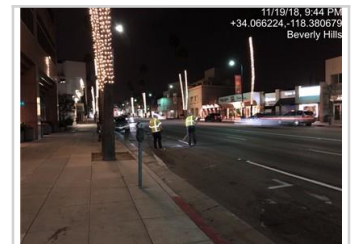
Photo shows STS adjusting a parking space length on the north side of Wilshire Blvd. between Le Doux Rd. and Stanley Dr.



**UID:** 2382 **Latitude:** 34.06621  
**Date:** Nov 19, 2018 **Longitude:** -118.380679  
**Type:** Construction Activity **Elevation:** ---

**Notes**

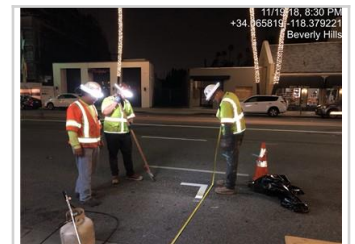
Photo shows STS adjusting a parking space length on the south side of Wilshire Blvd. between Hamel Dr. and Willaman Dr.



**UID:** 2380 **Latitude:** 34.06605  
**Date:** Nov 19, 2018 **Longitude:** -118.379221  
**Type:** Construction Activity **Elevation:** ---

**Notes**

Photo shows STS preparing to adjust the length of a parking space on the north side of Wilshire Blvd. between Stanley Dr. and Carson Dr.





# Photos



**UID:** 2389 **Latitude:** 34.065725  
**Date:** Nov 20, 2018 **Longitude:** -118.37787  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows crews adjusting parking stall lengths and parking Ts on the south side of Wilshire Blvd. between Le Doux Rd. and Stanley Dr.



**UID:** 2390 **Latitude:** 34.06569  
**Date:** Nov 20, 2018 **Longitude:** -118.377327  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows crews striping at the Le Doux Rd./Wilshire Blvd. intersection.



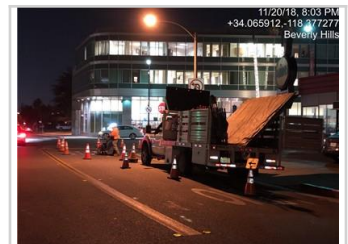
**UID:** 2388 **Latitude:** 34.065726  
**Date:** Nov 20, 2018 **Longitude:** -118.3772  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows crews grinding off traffic striping at the north side of the Le Doux Rd./Wilshire Blvd. intersection.



**UID:** 2387 **Latitude:** 34.065912  
**Date:** Nov 20, 2018 **Longitude:** -118.37721  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows crews setting up a lane closure at the north side of the Le Doux Rd./Wilshire Blvd. intersection.



**UID:** 2384 **Latitude:** 34.0653  
**Date:** Nov 20, 2018 **Longitude:** -118.3742  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows crews hauling soil out of the Gale yard.



**UID:** 2385 **Latitude:** 34.06493  
**Date:** Nov 20, 2018 **Longitude:** -118.3745  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows the activity in the Gale shaft.





# Photos



**UID:** 2392      **Latitude:** 34.0653  
**Date:** Nov 21, 2018      **Longitude:** -118.3742  
**Type:** Construction Activity      **Elevation:** - - -

**Notes**

Photo shows STS loading soil into a Mad Transportation truck bed in the Gale yard.



**UID:** 2391      **Latitude:** 34.0655  
**Date:** Nov 21, 2018      **Longitude:** -118.37418  
**Type:** Construction Activity      **Elevation:** - - -

**Notes**

Photo shows Mad Transportation haul trucks arriving to the Gale yard.







**Attachment B – Construction Noise Monitoring Results**

Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
<b>November 19, 2018</b>					
SLC-7	6:52	61.3	64	No	Trucks arriving at Gale yard.
SLC-2	7:15	65.7	69	No	Car horn and nearby garbage truck during reading.
SLC-2	7:50	59.6	69	No	Trucks arriving to Gale yard.
SLC-7	8:24	60.6	71.7	No	Trucks arriving to the Gale yard.
SLC-7	9:29	59.1	71.8	No	Trucks arriving to yard.
SLC-2	9:44	60.8	71.8	No	Trucks arriving to yard.
SLC-6/L-8	10:09	72.3	79	No	Trucks leaving Gale yard exit with excavated soil.
SLC-2	10:58	61.6	71.9	No	Trucks arriving to Gale yard.
SLC-7	11:17	68	71.9	No	Truck reversing next to noise meter with loud air brakes.
SLC-7	12:30	65.8	71.9	No	Century sweeping sweeper nearby and equipment delivery in yard.
SLC-6/L-8	12:46	61	79	No	Traffic on Wilshire Blvd.
SLC-7	13:25	65.3	72.9	No	Trucks arriving to Gale yard.
SLC-2	13:43	59.8	72.9	No	Work in yard is quiet.
SLC-7	14:47	71	72.1	No	Loud car accelerated nearby during reading.
SLC-9	20:30	58.7	70	No	Crews adjust parking stall spacing length along Wilshire Blvd. between Le Doux Rd. and Carson Rd.
SLC-9	21:00	58	66	No	Crews adjust parking stall spacing length along westbound Wilshire Blvd. between Stanley Dr. and Carson Rd.
SLC-9	21:45	65.2	66	No	Crews adjust parking stall spacing length along eastbound Wilshire Blvd. between Hamel Dr. and Willaman Dr. Ambient: Lamborghini idling on Willaman Dr.
SLC-9	22:30	56.4	67	No	Crews adjust parking stall spacing length along eastbound Wilshire Blvd. between Carson Rd. and Willaman Dr.



Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-9	23:00	56.2	62	No	Crews adjust parking stall spacing length along westbound Wilshire Blvd. between Le Doux Rd. and Stanley Dr.
<b>November 20, 2018</b>					
SLC-7	6:50	65.9	69	No	Crane operations in yard.
SLC-2	7:14	63	69	No	Trucks arriving at Gale yard.
SLC-7	8:14	66.7	69	No	Trucks arriving at the Gale yard. Some loud cars and garbage truck nearby.
SLC-6/L-8	8:42	74.5	79	No	Trucks exiting Gale yard and loud rush hour traffic.
SLC-7	9:15	65.8	71.7	No	Trucks arriving at yard.
SLC-5	9:39	60.8	71	No	Some traffic on Wilshire Blvd.
SLC-2	10:25	65.1	71.6	No	Trucks arriving at yard with loud air brakes.
SLC-7	12:11	61.8	71.9	No	Trucks arriving to yard.
SLC-7	12:54	63.3	71.9	No	Trucks arriving at yard. Loud car near sound meter.
SLC-6/L-8	13:17	73	79	No	Loud traffic on Wilshire Blvd. and trucks exiting Gale yard.
SLC-2	13:38	60.2	72.9	No	Yard quiet during measurement.
SLC-7	13:56	63.7	72.1	No	Trucks arriving at Gale yard.
SLC-2	14:16	68.5	72.1	No	Trucks leaving yard.
SLC-2	14:55	62	72.3	No	Crew is picking up road closure signage.
SLC-9	20:04	59.5	67	No	Crews are grinding traffic striping at the north side of the Le Doux/Wilshire intersection.
SLC-9	20:30	56.1	67	No	Crews adjusted the lengths of parking stalls and repainted parking Ts previously not in place/painted correctly.
SLC-9	21:00	57.3	66	No	Crews adjusted the lengths of parking stalls and repainted parking Ts previously not in place/painted correctly.
SLC-9	21:30	55.6	66	No	Crews is striping in the intersection of Le Doux/Wilshire.
<b>November 21, 2018</b>					
SLC-2	6:43	59.1	64	No	Crane work starting in yard.



Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-7	7:06	68.6	69	No	Trucks arriving to yard.
SLC-2	7:32	65	69	No	Trucks arriving at yard. Car horn sounded near sound meter.
SLC-7	7:56	61.7	69	No	Trucks arriving at yard.
SLC-7	8:58	62.7	69	No	Trucks arriving to the Gale yard.
SLC-2	9:21	62.1	71.7	No	Trucks arriving to the Gale yard.
SLC-7	10:03	63.5	71.8	No	Trucks arriving to yard.
SLC-2	10:53	61.3	71.6	No	Trucks arriving to yard and crane work within yard.
SLC-7	11:13	63.9	71.9	No	Trucks arriving to the Gale yard.
SLC-7	11:40	63	71.9	No	Crews were packing up at Gale yard.