

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, October 17, 2022 to Sunday, October 23, 2022

PUBLISHED October 26, 2022

Monitoring times: Weekdays, 10 p.m. to 7 a.m.; weekends, 10 p.m. to 9 a.m.

How to use this report: This document summarizes the weekly nighttime noise data for the SR 520 Montlake Project. In it, you'll find:

- Page 1 - Summary of noise levels recorded above the limits allowed under the Major Public Project Construction Noise Variance, for this week and throughout the project. This includes non -project-related noise exceedances
- Page 2 - Map of the project limits and locations of the seven stationary monitor locations
- Pages 3 – 9 - Night -by-night noise recordings for each of the project noise monitors, along with a description of the work that night, comments received from the public regarding Project noise, and explanations for any noise limit exceedances and actions taken in response
- Page 10 - Log of public comments regarding nighttime noise issues and resolutions for the week

WSDOT is sharing this information as per the terms of the Major Public Project Construction Noise Variance (Permit #3030792).

MPPCNV start date: Friday, August 16, 2019

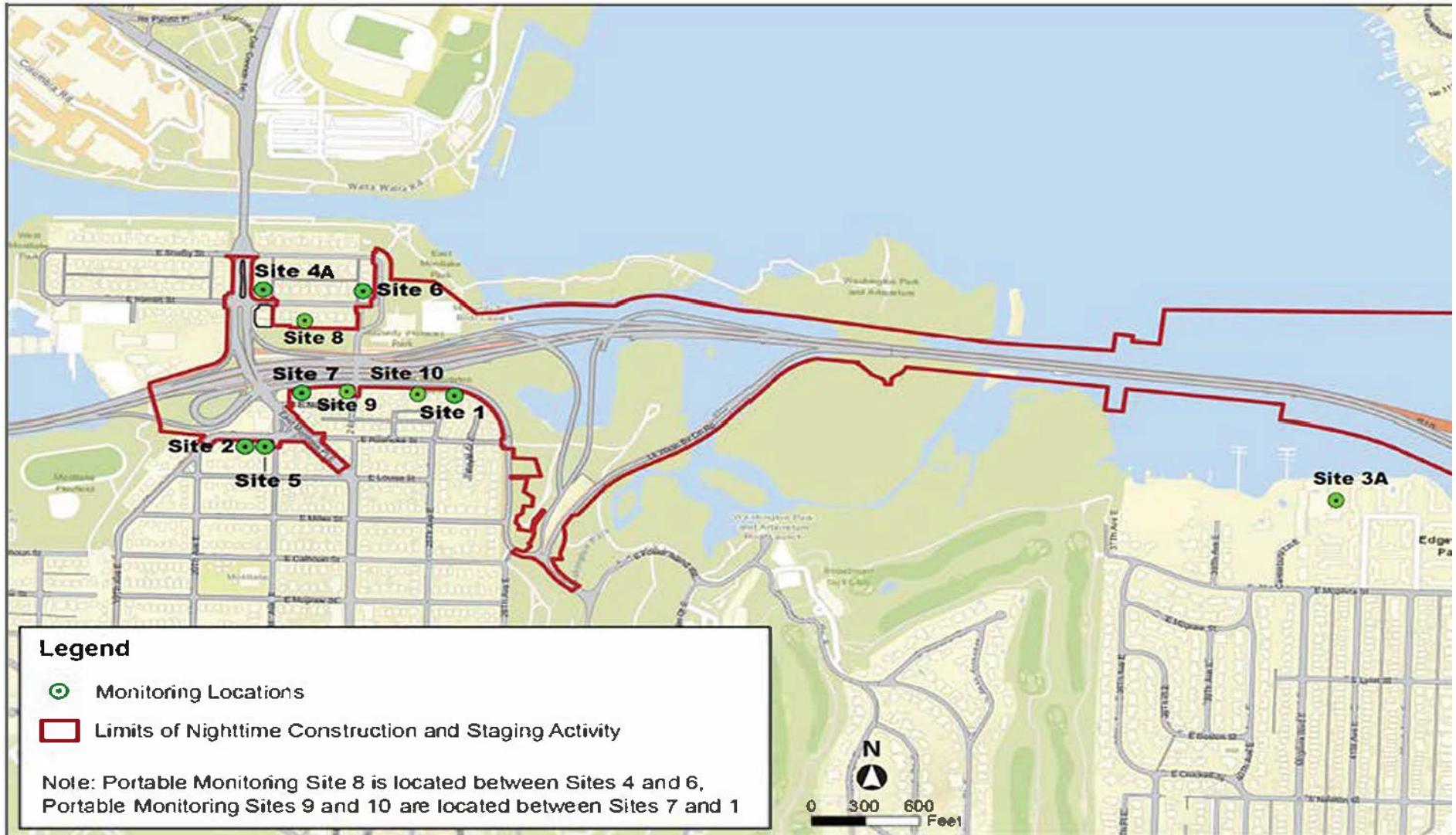
MPPCNV days to date: 1165

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	1
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	18

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	612
Total Project related non-compliance	118
Total noise issue comments to the project	125
Total non-project related exceedances	3932

Noise Monitoring Locations: the map below shows the work limits of the SR 520 Montlake Project and the locations of the seven stationary noise monitoring sites

EXHIBIT 5. CONSTRUCTION AREA AND NOISE MEASUREMENT LOCATIONS



SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, October 17, 2022 to Sunday, October 23, 2022 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Monday, October 17, 2022												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	55.9	53.8	52.4	47.3	46.5	48.8	52.1	56.8	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.6	59.3	56.2	54.0	53.0	53.6	57.2	60.8	62.7	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	47.8	48.1	52.8	52.9	52.9	53.4	55.4	55.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.7	55.8	53.7	49.6	49.2	51.5	56.1	59.4	60.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	57.2	54.7	52.3	51.5	52.1	55.4	59.5	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.7	56.3	54.2	46.7	48.4	50.7	53.3	56.1	57.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.9	53.2	51.5	46.9	46.5	48.3	52.4	55.0	58.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.9	55.6	53.9	48.2	48.0	50.9	53.8	57.4	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	59.3	56.6	54.1	53.2	55.4	59.8	62.0	64.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.7	61.5	59.1	54.7	53.4	55.6	59.8	64.6	67.1	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Elcon worked between 10:00pm and 3:31am pulling wires and installing and removing conduits on the DXEI merging lanes with 4 workers on site.

Public Comments:
No public comments received related to nighttime noise.

Exceedances:
Site 10 exceedance is due to public traffic. **(Non work related).**

Non-Compliance:
None.

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, October 17, 2022 to Sunday, October 23, 2022 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Tuesday, October 18, 2022												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	59.0	56.7	55.2	54.9	54.7	55.0	56.3	58.8	61.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.1	59.7	56.3	54.8	53.7	54.8	58.0	61.0	64.4	N/A	N/A
Site 3A - Canterbury Shores	62	50.1	47.4	45.5	44.0	42.1	43.2	47.0	50.0	52.7	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.8	56.9	52.4	51.6	50.3	50.9	55.8	59.1	60.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	58.1	54.8	53.4	52.4	53.4	56.5	59.2	62.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.0	53.8	52.0	50.3	49.9	52.1	55.5	56.4	58.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.5	56.4	50.0	48.6	48.9	52.5	56.8	57.0	63.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.2	55.7	52.6	51.3	50.1	51.5	55.0	57.5	59.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.3	67.2	56.3	55.8	55.3	57.1	63.8	62.7	67.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	68.2	62.0	57.3	56.5	57.8	58.7	59.9	64.8	67.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:40am working on removing conduits on WB SR 520, 5 workers on site. Graham worked between 3:19am to 7:00am working on pouring concrete on the Montlake Lid.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 9 & 10 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

None.

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, October 17, 2022 to Sunday, October 23, 2022 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Wednesday, October 19, 2022												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 -2449 E. Lk WA Blvd	67	57.9	54.3	50.4	47.8	48.4	49.6	51.9	57.4	59.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.3	58.3	56.4	54	58.9	54	59.5	60.2	62.8	N/A	N/A
Site 3A - Canterbury Shores	62	52.4	47.6	47	52.6	52.8	52.9	53.1	54.8	55.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.5	56.2	52.8	49.2	50.3	51.5	58.6	58.4	59.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.1	56.8	54.5	52	56.6	52	57.1	58.2	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	61.2	57.7	54.5	48.9	49.4	50.5	53.5	53.1	56.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	53.6	50.4	46.7	49.2	49.1	53.7	55	58.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	60	56.6	53.1	49	49.1	51.5	55.5	56	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	58.9	56.4	54.4	57.5	55.8	66	61.9	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.2	61	58.3	55.3	56.9	57.7	59	67.2	67.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:33am working on installing and removing conduits on WB SR 520 and DXEI merging lanes, 7 workers on site. Graham worked between 10:00pm and 2:40am on installing drainage and working on the Montlake lid. American Bridge worked between 6:00am and 7:00am on a concrete pour on trestle.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 9 & 10 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

None

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, October 17, 2022 to Sunday, October 23, 2022 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Thursday, October 20, 2022												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	52.6	48.2	45.9	45.6	50.5	49.2	53.2	56.5	59.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.4	61.5	53.3	54.1	51.4	53.5	54.8	56.7	60.4	N/A	N/A
Site 3A - Canterbury Shores	62	44.5	44.8	40.3	40.1	39.2	43.4	40.7	44.1	46.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.2	59.0	51.0	49.7	50.3	51.1	53.3	57.2	59.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.1	58.4	51.6	52.3	50.0	52.0	53.5	55.3	58.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.8	53.9	49.4	49.8	47.9	50.9	50.1	53.1	55.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.6	54.0	47.7	45.3	44.5	51.3	52.3	52.9	56.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.1	55.0	48.4	49.5	47.5	51.5	50.6	53.6	56.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.7	64.5	56.0	52.1	51.6	61.1	61.5	60.8	62.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.2	59.6	57.8	54.0	51.7	56.8	58.8	63.7	65.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm to 3:52am working on drainage on Pier 2 West. PSC worked between 2:20am and 3:07am replacing damaged attenuator.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

None

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Monday, October 17, 2022 to Sunday, October 23, 2022 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Saturday, October 22, 2022												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	57	56.2	54.9	58	61.3	61.8	55.8	56.7	53.1	56.5	59.3
Site 2 - 2015 E. Roanoke St	78	61.2	59.4	56.7	55.9	60.5	53.3	53.3	55.3	65.2	59.2	60.7
Site 3A - Canterbury Shores	62	49.1	46.1	41.5	41.5	40.5	39.7	39.1	38.2	42.1	45.4	48.8
Site 4A - 2110 E. Hamlin St	66	58.9	56.2	54.0	55.4	56.6	56.9	52.8	56.6	57.3	56.9	58.7
Site 5 - 2565 22nd Av E.	65	59.7	58.0	55.5	54.5	58.0	51.4	51.7	53.2	64.0	58.3	59.5
Site 6 - 2160 E. Hamlin St	63	59.1	57.9	59.3	58.2	59.5	59.8	55.0	54.5	53.6	55.9	57.9
Site 7 - 2209 E. Lake Wa Blvd	66	56.3	54.9	53.6	53.4	58.3	55.6	51.4	52.3	59.0	54.7	58.1
Site 8 - Portable Between Sites 4 and 6	63	58.0	57.0	54.0	55.5	56.8	57.4	54.3	54.2	53.6	54.8	58.4
Site 9 - Portable Between Sites 1 and 7	66	62.3	59.9	59.1	56.7	68.4	60.0	57.1	59.5	69.0	61.6	64.2
Site 10 - Portable Between Sites 1 and 7	66	65.0	63.8	62.5	63.5	66.8	67.4	61.6	63.0	60.7	64.8	67.8

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Malcolm worked between 10:00pm to 9:00am drilling on Pier 2 East. Graham worked between 10:00pm and 9:00am working on drainage on MOHAI and the WDX and WPX ramps.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 9 & 10 exceedances except those listed below are due to public traffic. **(Non work related).**

Site 10 exceedances at 3:00am and 4:00am are due to Malcolm drilling work on Pier 2 East. This work is covered under TNV #6928210-NV. **(work related).**

Non-Compliance:

Sub-contractor was observed operating during the MPPCNV monitoring hours:

- 6:27am with an equipment (Concrete Pump) honking to communicate when to start and stop the pump on West bound Sr 520, or Pier 2 East, working on pouring concrete. The TNV #6928210-NV was covering this work, but condition 13 of the TNV states, "Use radios for long range communication between crews." The MPPCNV also requires radio usage for communication purposes. PBS and Malcolm were reminded of the MPPCNV rules and TNV condition, but Malcolm was unable to deactivate the horn. At 7:37am, Malcolm was observed still in non-compliance.

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Monday, October 17, 2022 to Sunday, October 23, 2022 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Sunday, October 23, 2022												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 -2449 E. Lk WA Blvd	67	53.0	50.6	48.4	48.2	48.5	45.8	51.2	54.5	57.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.3	58.0	53.1	53.4	53.0	50.0	54.4	58.4	61.9	N/A	N/A
Site 3A - Canterbury Shores	62	46.1	43.9	41.9	41.9	43.0	37.6	43.6	46.1	48.2	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.6	54.9	52.4	49.5	51.0	52.4	55.2	58.5	61.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	57.4	53.1	52.9	51.5	48.4	53.3	57.8	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.6	53.7	52.0	50.3	50.0	48.6	52.2	54.4	56.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	51.3	47.4	51.1	52.4	45.1	49.8	55.5	59.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.6	54.2	50.8	48.6	49.1	46.4	52.1	55.1	57.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.5	58.8	54.6	59.2	60.0	54.0	58.4	63.5	67.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.8	57.6	54.0	55.3	55.3	54.3	57.3	63.7	67.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

PSC worked between 10:00pm to 2:41am setting up traffic barriers.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 10 exceedance is due to public traffic. **(Non work related).**

Non-Compliance:

None

Legend

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, October 17, 2022 to Sunday, October 23, 2022

10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)

Public Comment Log			
Date / Time	To/From	Issue	Resolution
3:46 a.m. 10/22/2022	From: Nearby resident To: Project Email	At 3:46 a.m. a nearby resident called the complaint line and left a voicemail. The complaint was from 2112 E. Hamlin St, and stated that the noise was "very noisy, the noisiest they had ever heard it," and inquired as to how long the noise would continue.	Bob Derry stated that a follow up call would made later in the morning to avoid waking the resident. Work is covered under covered under TNV #6928210-NV