

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 6, 2023** to **Sunday, March 12, 2023**

PUBLISHED March 15, 2023

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

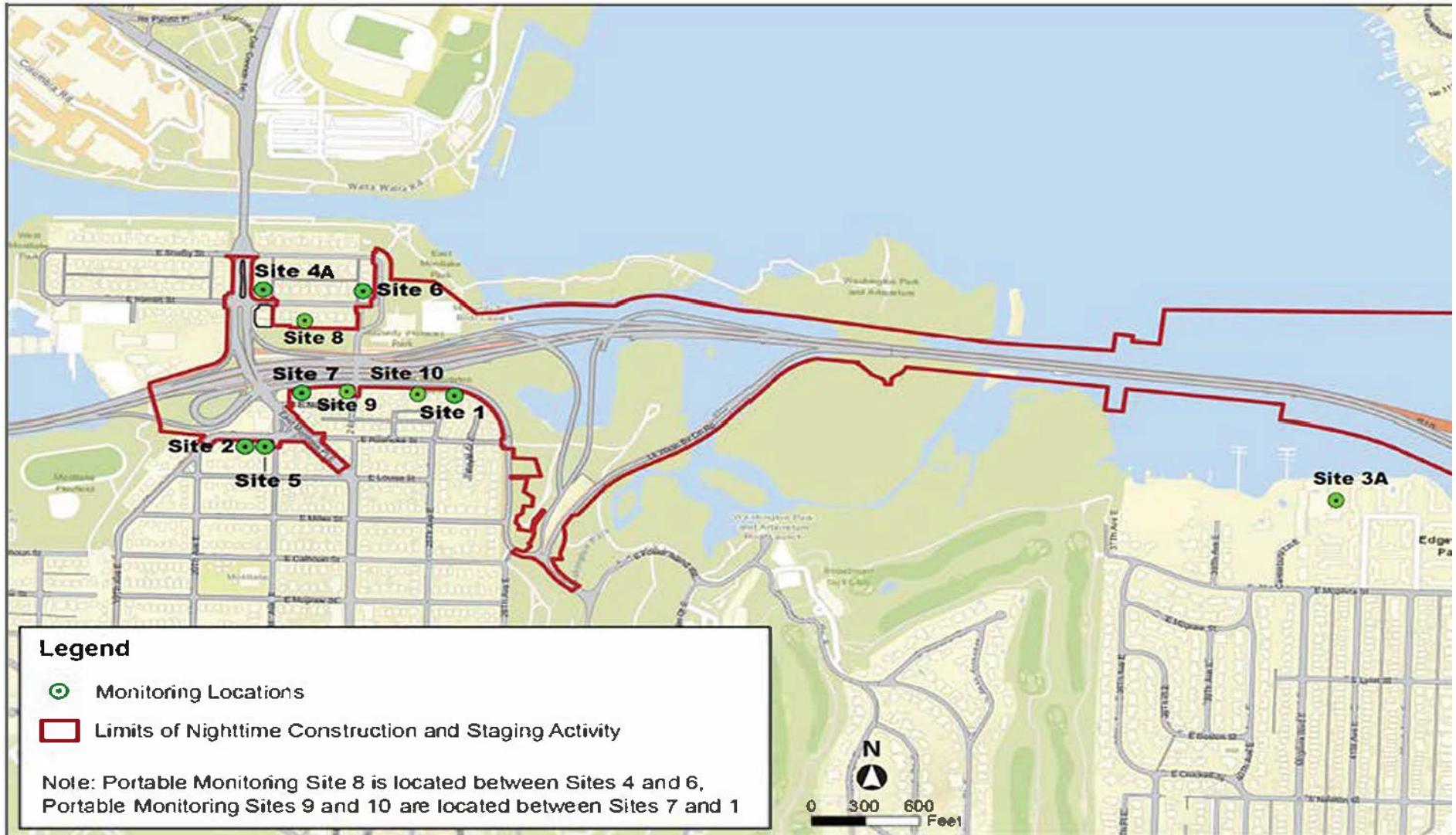
MPPCNV days to date: 1305

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	0
Nighttime noise issue comments to the project	2
Non-project-related noise exceedances this week	15

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	699
Total Project related non-compliance	119
Total noise issue comments to the project	130
Total non-project related exceedances	4149

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, March 6, 2023 to Sunday, March 12, 2023 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, March 6, 2023												
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	57.6	56.2	57.2	55.6	59.4	58.1	57.1	57.0	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.8	57.4	56.7	58.5	58.4	55.3	56.9	59.7	62.6	N/A	N/A
Site 3A - Canterbury Shores	62	47.2	45.5	44.2	41.5	45.2	45.0	45.6	47.5	53.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.5	56.1	54.6	52.9	52.8	51.3	55.8	58.4	67.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	56.3	54.4	58.2	57.1	52.9	55.1	58.0	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.3	51.4	52.2	49.4	49.2	47.3	49.1	53.0	58.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.3	51.1	52.4	53.2	52.6	47.8	58.8	55.5	59.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	54.7	53.6	50.5	51.7	47.9	52.7	55.0	60.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.0	58.4	59.4	60.7	60.9	55.2	63.8	62.3	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	59.4	59	55	58.3	59.5	62.3	63.8	66.9	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 on installing lighting on Pier 2 South, 5 workers on site. Graham worked between 10:00pm and 4:50am on installing drainage on the laydown yard. Graham worked between 12:05am and 2:50am on organizing the equipment and materials on the Montlake Lid. Graham worked between 4:20am and 7:00am on unloading and setting rebar on the Montlake Lid. Graham worked between 6:30am and 7:00am on pouring concrete on the Montlake Lid.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 4A & 10 exceedances are due to public traffic. **(Non work related).**

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, March 6, 2023 to Sunday, March 12, 2023 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, March 7, 2023												
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	58.9	58.7	53.5	52.4	50.6	51.0	53.3	56.5	59.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	58.8	55.1	53.9	53.3	55.7	55.9	60.0	63.7	N/A	N/A
Site 3A - Canterbury Shores	62	50.5	48.3	44.6	44.3	44.4	43.9	45.8	48.3	51.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.2	56.0	53.4	52.0	50.6	57.9	54.8	59.4	61.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.9	57.5	54.1	52.4	52.0	53.6	54.2	58.3	62.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.4	54.4	53.7	49.6	48.1	49.2	51.9	56.1	58.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	52.5	50.1	48.4	47.1	52.1	56.4	54.6	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.6	55.3	52.9	50.5	50.6	52.4	52.7	56.8	58.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	58.6	56.2	55.5	53.1	66.0	65.4	62.6	64.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.0	60.0	57.1	55.9	54.8	56.2	58.3	63.9	68.1	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:40am on installing lighting on Pier 2 EB and the DXEI ramp, 6 workers on site. Graham worked between 10:00pm and 12:30am on installing drainage on the laydown yard.

Public Comments:

At 5:57 a.m. the project email received a noise complaint from a nearby resident. The complaint was from 2141 East Hamlin Street, and stated "5:50 a lot of noise- equipment running."

Exceedances:

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

Non-Compliance:

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, March 6, 2023 to Sunday, March 12, 2023 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, March 8, 2023												
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	57.8	54.8	53	51.8	52	51.4	54	57.9	60.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	57.6	56.2	53.8	52.8	53.1	57.5	60.4	63.2	N/A	N/A
Site 3A - Canterbury Shores	62	47	46.1	45.3	44.1	41.8	40.6	44.8	48.9	56.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.2	56.6	54.9	51.3	51.4	51.7	56	59.7	61.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	56.3	54.5	52.1	52.1	51.4	56.2	58.9	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.8	55.8	53	50.3	50.1	51.4	53.2	56	56.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.1	52.9	50.9	48	49.1	47.6	53.4	55.5	58.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.4	56.2	53.8	51.2	50.2	51.4	55.2	56.6	58.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.2	58.9	56.5	53.6	56.1	54.8	59.6	63.1	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64	59.9	58.1	54.9	57.7	55.4	58.6	64.8	68.4	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 on installing lighting on Pier 2 EB and the DXEI ramp, 6 workers on site. Graham worked between 5:10am and 6:00am working on the DXEI ramp.

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:

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, March 6, 2023 to Sunday, March 12, 2023 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, March 9, 2023												
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	58.2	55	54.2	52.3	52.3	54.6	53.4	57	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.6	62.6	56.9	54.4	54.2	55	57.1	60	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	52	49.6	47.7	51.5	53	49.3	48.6	49.9	50.2	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.8	57	52.4	49.9	51.4	52.8	55.3	59.5	61.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.1	63.5	55.5	53	54.8	55.4	56.2	58.4	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.3	51.6	49	47.3	48.7	49.1	48	52.8	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.5	61.2	50.8	49.4	50.4	51.4	52.9	55.7	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.8	54.7	51.6	49.6	50.6	51.4	51	55.6	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.5	65.3	57.8	56.8	56.1	57.6	61.7	64.1	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.3	60.2	60.1	57	57.2	59.6	57.7	64.3	66.9	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 on installing lighting on Pier 2 EB and the DXEI ramp, 6 workers on site. Graham worked between 11:00pm and 11:48pm cutting concrete on Montlake Blvd.

Public Comments:

At 11:08 p.m. a nearby resident called the project hotline and complained that "The resident said that a crew was saw cutting concrete in front of their home. The resident asked if their household would like hotel rooms. The resident said they'd been offered hotel rooms for the weekend but not for that night and it was their understanding that there would not be noisy work this night. The resident also said they had two airbnb guests that they didn't want to wake up to move to a hotel. Derry told the resident they would contact the inspector on duty to see how long the crew would be working."

Exceedances:

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

Non-Compliance:

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, March 6, 2023 to Sunday, March 12, 2023 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

Friday, March 10, 2023												
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	58.1	55.2	52.8	51.3	53.3	52.7	52.7	52.0	56.9	57.3	59.0
Site 2 - 2015 E. Roanoke St	78	62.2	65.9	63.7	66.0	63.0	63.1	60.3	59.9	64.5	64.0	68.7
Site 3A - Canterbury Shores	62	48.9	48.0	47.4	45.8	46.4	42.9	46.2	44.7	48.6	49.0	50.1
Site 4A - 2110 E. Hamlin St	66	60.7	59.1	57.0	55.8	54.3	54.9	53.9	56.1	58.9	61.9	59.9
Site 5 - 2565 22nd Av E.	65	62.2	65.7	64.9	67.3	64.2	65.2	58.4	58.6	62.6	62.5	68.5
Site 6 - 2160 E. Hamlin St	63	57.5	56.4	54.0	52.4	51.8	49.4	50.8	51.6	55.9	55.8	56.3
Site 7 - 2209 E. Lake Wa Blvd	66	60.0	64.1	60.7	61.9	58.6	55.7	55.4	54.6	57.0	58.2	59.5
Site 8 - Portable Between Sites 4 and 6	63	58.9	57.6	55.0	53.8	51.9	50.8	53.5	53.7	57.8	56.8	57.7
Site 9 - Portable Between Sites 1 and 7	66	65.3	72.2	64.8	65.5	63.5	62.3	63.3	63.1	63.8	64.5	64.9
Site 10 - Portable Between Sites 1 and 7	66	64.0	62.5	59.4	57.8	60.7	61.7	60.4	59.0	63.9	65.2	66.5

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 9:00am cutting concrete and installing drainage on Montlake Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 5, 9 & 10 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

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, March 6, 2023 to Sunday, March 12, 2023 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, March 11, 2023												
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	60.4	58.3	55.9	54.1	53.5	53.1	52.6	55.3	56	57.8	58.9
Site 2 - 2015 E. Roanoke St	78	63.4	60.8	60.2	59.1	58.8	59.8	61	61.9	62.2	62.5	70.4
Site 3A - Canterbury Shores	62	49.4	48.9	47.6	46.3	46.5	42.1	44.1	48.4	51.7	53.5	53.5
Site 4A - 2110 E. Hamlin St	66	63.7	58.7	56.7	54.4	54.6	58.5	53.7	57.1	60.4	58.1	59.3
Site 5 - 2565 22nd Av E.	65	61.7	59.0	58.0	56.7	57.3	58.0	60.2	62.1	60.4	61.5	68.9
Site 6 - 2160 E. Hamlin St	63	58.3	59.9	57.3	55.5	56.0	50.5	51.1	53.4	56.0	55.5	55.7
Site 7 - 2209 E. Lake Wa Blvd	66	58.8	56.2	55.2	53.5	54.0	53.2	56.0	60.3	57.6	57.7	58.9
Site 8 - Portable Between Sites 4 and 6	63	59.0	58.1	55.8	55.2	55.3	51.5	52.2	55.3	57.9	58.2	58.8
Site 9 - Portable Between Sites 1 and 7	66	67.8	62.0	62.2	60.9	61.9	63.1	62.4	66.0	65.9	62.4	63.5
Site 10 - Portable Between Sites 1 and 7	66	65.2	63.2	60.8	58.3	57.7	59.7	58.9	60.4	61.5	63.8	65.5

*Hourly-Average Leq (dBA)

Notes recorded by the on-site independent Noise Monitor

Work:

Graham worked between 10:00pm and 9:00am installing drainage on Montlake Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

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, March 6, 2023 to Sunday, March 12, 2023 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, March 12, 2023												
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	57.4	55.9	55.4	56.9	53.0	51.6	52.4	55.5	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	64.9	59.3	66.0	64.4	54.4	56.9	62.2	63.5	65.5	N/A	N/A
Site 3A - Canterbury Shores	62	51.7	48.6	51.1	50.4	43.4	48.2	49.9	54.3	58.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.0	54.5	52.8	51.6	53.2	56.4	61.2	63.4	65.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.4	59.7	66.1	64.9	53.4	56.0	60.0	62.8	64.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	52.0	50.2	48.8	47.9	50.7	55.5	56.5	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.0	58.5	60.3	59.5	54.4	54.5	57.5	59.7	61.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.6	53.6	51.4	49.3	48.6	52.3	57.3	58.9	60.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.5	65.8	68.7	67.0	59.0	61.7	70.0	68.8	70.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	62.4	65.1	59.8	56.6	56.6	64.1	68.3	68.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 2:45am cleaning on Montlake Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 5, 9 & 10 exceedance is due to public traffic. **(Non work related)**.

Non-Compliance:

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, March 6, 2023 to Sunday, March 12, 2023 **10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)**

Public Comment Log			
Date / Time	To/From	Issue	Resolution
5:57 a.m. 3/7/2023	From: Nearby resident To: Project Email	At 5:57 a.m. the project email received a noise complaint from a nearby resident. The complaint was from 2141 East Hamlin Street, and stated "5:50 a lot of noise- equipment running."	Bob Derry stated that a follow up call would be made at 11:00am in the morning. The resident stated when followed up with, it wasn't really disturbing and didn't wake them but they wanted us to know that they could hear it. The resident said the noise sounded like it was coming from directly behind his house and sounded like equipment slamming and hammering."
11:08 p.m. 3/9/2023	From: Nearby resident To: Project Hotline	At 11:08 p.m. a nearby resident called the project hotline and complained that "The resident said that a crew was saw cutting concrete in front of their home. The resident asked if their household would like hotel rooms. The resident said they'd been offered hotel rooms for the weekend but not for that night and it was their understanding that there would not be noisy work this night. The resident also said they had two airbnb guests that they didn't want to wake up to move to a hotel. Derry told the resident they would contact the inspector on duty to see how long the crew would be working."	Derry texted Duffy with this information at 12:09 a.m. and he confirmed that the work had stopped