

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, December 13, 2021** to **Sunday, December 19, 2021**

PUBLISHED December 20, 2021

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

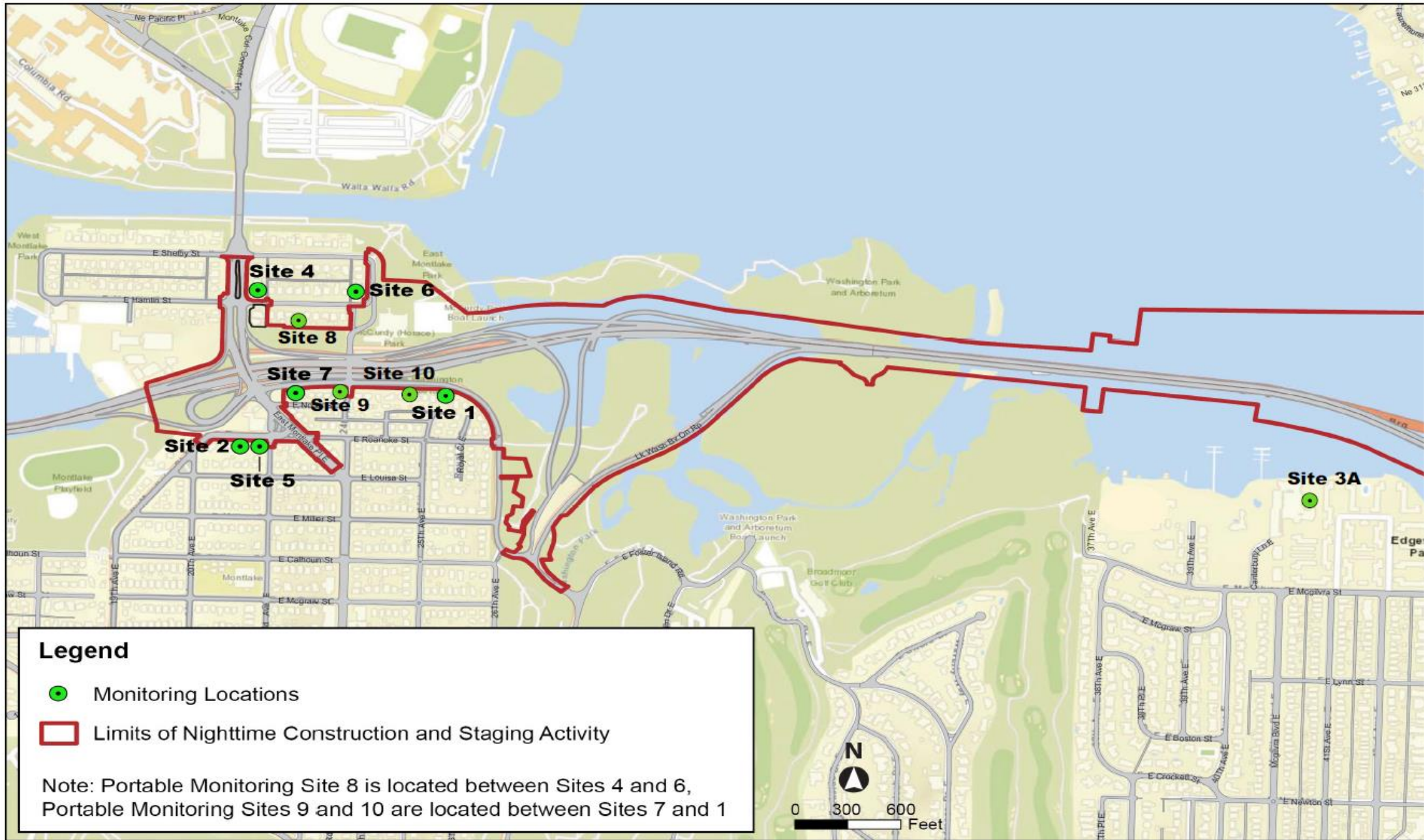
MPPCNV days to date: 857

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	31

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	403
Total Project related non-compliance	109
Total noise issue comments to the project	109
Total non-project related exceedances	3091

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, December 13, 2021 to Sunday, December 19, 2021 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, December 13, 2021												
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	53.9	51.8	49.7	48.6	48.9	53.7	52.5	56.5	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.1	56.6	53.9	51.2	51.3	52.3	54.1	58.8	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	52.2	50.9	44.7	44.6	46.2	47.3	48.3	50.0	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	64.0	60.9	59.1	57.1	59.3	63.3	67.3	67.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.2	55.5	52.2	49.5	50.4	51.0	52.4	57.0	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.0	53.3	50.0	48.1	48.2	50.2	52.1	55.8	57.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.3	51.1	48.1	45.7	46.7	47.6	49.5	55.1	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.4	54.5	51.5	48.8	49.6	51.1	52.0	56.8	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.3	59.5	55.9	54.5	53.5	54.5	58.0	63.2	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.6	58.8	56.1	54.7	55.0	57.6	58.9	64.9	66.5	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Design-Builder worked between 10:00pm and 4:00am for installation of underlid lighting.

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

Exceedances: Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, December 13, 2021 to Sunday, December 19, 2021 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, December 14, 2021												
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	54.8	52.1	51.5	49.5	54.5	54.1	58.3	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.0	57.9	55.0	53.0	51.6	60.3	62.3	63.5	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	48.9	47.3	45.8	43.4	42.8	41.1	46.1	50.1	52.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.1	64.9	62.4	59.9	58.5	60.0	64.6	76.9	70.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.8	56.6	53.9	51.3	50.5	58.9	61.7	62.1	60.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.0	55.5	53.4	51.2	49.1	48.8	54.6	57.1	59.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	53.6	50.9	47.9	46.9	47.1	51.5	56.1	58.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.1	56.8	54.5	52.1	50.7	49.9	55.2	58.2	59.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	61.8	60.7	54.4	54.4	55.6	59.0	63.6	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.0	62.5	58.7	57.5	54.4	58.4	59.8	65.5	67.8	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 4:00am for installation of underlid lighting.

Public Comments:

At 5:31 a.m. on 12/15, Alicia Davinia of 2117 E Hamlin contacted the project hotline complaining of jackhammering noise that had begun at 4:45 a.m. It was noted that the Seattle public utilities were responding to an emergency situation repairing a busted water main at the intersection of Montlake Blvd. and E. Hamlin. **See public comment log for more details.**

Exceedances:

Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors and also due to an emergency water main repair performed by Seattle public utilities.

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, December 13, 2021 to Sunday, December 19, 2021 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, December 15, 2021												
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	58.5	54.2	52.0	50.0	52.8	52.4	52.2	56.6	58.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	57.9	55.5	53.5	53.7	56.4	55.8	59.1	61.2	N/A	N/A
Site 3A - Canterbury Shores	62	51.8	48.5	44.9	43.4	45.2	42.4	44.8	48.5	51.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.1	64.7	62.0	59.8	57.6	59.8	63.3	66.8	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	56.6	53.8	51.5	52.2	53.4	53.8	57.3	59.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.0	54.9	49.5	47.2	49.1	47.8	50.6	54.6	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.4	53.4	50.4	47.9	49.0	51.1	49.9	54.7	56.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.9	55.5	52.4	50.6	51.7	50.5	52.9	56.6	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.1	60.9	59.1	56.1	56.4	63.0	58.1	62.9	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.6	61.8	59.2	56.6	57.9	59.6	58.2	64.7	67.0	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 4:00am for installation of underlid lighting and conduit.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, December 13, 2021 to Sunday, December 19, 2021 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, December 16, 2021												
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	58.4	55.3	52.9	50.9	52.1	54.9	53.1	57.8	59.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	58.3	55.8	54.3	53.3	53.5	55.4	59.8	61.9	N/A	N/A
Site 3A - Canterbury Shores	62	52.9	51.2	50.8	47.8	51.4	49.5	50.0	53.0	53.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.9	63.2	60.5	59.3	58.4	58.2	62.0	66.4	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	56.5	54.1	52.4	51.9	52.0	53.0	57.6	59.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	51.2	52.1	47.2	49.0	48.3	45.5	50.9	53.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.7	52.4	50.3	48.1	48.0	48.1	48.5	54.9	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.0	54.9	53.7	50.5	51.4	51.5	50.0	55.3	56.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	58.1	55.9	55.0	54.5	54.4	55.7	62.4	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.1	62.2	58.8	57.6	58.3	58.5	59.2	65.2	67.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 4:00am for installation of underlid lighting.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, December 13, 2021 to Sunday, December 19, 2021 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, December 17, 2021												
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	58.4	56.0	54.0	53.8	50.3	51.2	50.6	54.7	57.0	57.4	60.5
Site 2 - 2015 E. Roanoke St	78	61.4	60.3	57.9	56.8	54.3	54.0	56.9	61.2	62.8	62.3	63.7
Site 3A - Canterbury Shores	62	52.0	49.6	48.5	46.9	45.8	47.2	49.4	52.5	54.5	53.9	54.6
Site 4 - 2800 Montlake Blvd E	66	71.8	66.1	64.0	62.8	60.4	58.4	62.4	65.5	69.1	69.0	69.9
Site 5 - 2565 22nd Av E.	65	60.3	60.6	56.6	55.4	53.0	53.4	57.0	60.2	61.8	61.3	62.6
Site 6 - 2160 E. Hamlin St	63	57.4	56.6	55.9	54.1	52.2	50.9	51.1	53.6	55.2	56.5	56.8
Site 7 - 2209 E. Lake Wa Blvd	66	58.0	55.2	53.6	53.1	50.8	48.7	49.7	54.9	56.5	56.3	58.9
Site 8 - Portable Between Sites 4 and 6	63	60.0	57.9	56.8	55.5	52.9	51.9	53.8	56.0	57.5	57.5	58.8
Site 9 - Portable Between Sites 1 and 7	66	70.4	62.6	60.9	61.2	57.9	55.4	58.9	68.7	66.9	64.8	67.3
Site 10 - Portable Between Sites 1 and 7	66	66.2	63.7	60.8	61.1	56.7	57.2	56.6	61.7	64.0	64.8	68.4

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

No nighttime construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, December 13, 2021 to Sunday, December 19, 2021 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, December 18, 2021												
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	55.7	53.5	51.8	49.9	46.5	48.5	48.8	52.1	54.9	58.1
Site 2 - 2015 E. Roanoke St	78	60.5	72.1	56.9	57.6	54.6	52.2	52.6	53.9	57.1	58.7	60.3
Site 3A - Canterbury Shores	62	51.9	51.1	49.5	47.2	43.8	42.0	41.4	44.1	46.2	48.1	51.6
Site 4 - 2800 Montlake Blvd E	66	65.2	67.8	62.5	60.6	59.8	57.8	56.6	60.4	64.7	65.0	65.7
Site 5 - 2565 22nd Av E.	65	59.1	68.6	55.2	55.9	52.8	50.5	51.1	52.1	55.4	56.9	58.7
Site 6 - 2160 E. Hamlin St	63	59.1	56.7	54.2	49.8	50.0	46.3	46.3	46.8	52.9	53.0	54.5
Site 7 - 2209 E. Lake Wa Blvd	66	56.7	56.9	52.1	50.4	48.6	45.5	46.6	47.7	51.2	52.8	56.0
Site 8 - Portable Between Sites 4 and 6	63	60.1	58.3	55.4	52.3	51.6	49.4	49.5	50.0	54.4	55.5	57.3
Site 9 - Portable Between Sites 1 and 7	66	61.9	64.9	58.1	57.9	56.2	53.0	56.4	54.7	58.5	59.6	61.5
Site 10 - Portable Between Sites 1 and 7	66	64.7	63.7	61.3	58.8	57.6	50.5	54.9	56.8	59.2	62.3	65.2

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
No nighttime construction work performed.

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

Exceedances:
Site(s) 4 and 5 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, December 13, 2021 to Sunday, December 19, 2021 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, December 19, 2021												
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	57.2	54.4	52.8	49.2	47.8	49.7	52.2	57.2	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	59.2	56.7	54.5	55.0	53.2	56.5	59.8	63.9	N/A	N/A
Site 3A - Canterbury Shores	62	53.2	51.0	48.6	46.7	47.4	45.3	47.9	52.0	55.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	62.0	62.1	58.9	56.4	56.5	64.2	66.1	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.0	57.9	55.1	53.0	53.0	53.4	52.0	54.7	57.8	62.2	N/A
Site 6 - 2160 E. Hamlin St	63	51.3	48.7	48.1	48.1	45.8	44.9	44.2	45.6	49	51.9	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.1	52.0	49.7	47.7	46.1	46.1	49.9	53.8	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.6	52.7	51.5	49.6	48.6	47.6	50.0	53.4	54.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	70.5	57.9	56.1	54.4	52.7	52.8	60.7	61.0	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.4	61.0	59.8	55.5	52.9	54.0	57.6	64.5	67.2	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
No nighttime construction work performed.

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

Exceedances:
Site(s) 4,9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, December 13, 2021 to Sunday, December 19, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
2021/12/15. 5:30am.	To: Project Hotline From: E Hamlin St. resident	On the morning of 10/15/21 at 5:30am, a E Hamlin St resident, called the project hotline complaining of a jackhammering noise that had begun at 4:45 a.m The resident called again at 5:41 to say that she didn't have water.	Bob Derry (Hotline communications staff) Informed the resident he would investigate the situation. Bob Derry then called Gary Stensland to report the noise. Gary said it might be SPU working on a water issue on Montlake Blvd that cropped up the day before but he would look into it. At 5:40am. Gary Stensland contacted Jason Marler, the current INM for the WSDOT SR 520 Montlake project, to inform him about the noise complaint. Jason confirmed that it was in fact due to an Emergency situation with Seattle Public Utilities involving a busted water main at the intersection of Montlake Blvd and E Hamlin St and that the noise was not project related. The message was relayed back to the resident and recommended that she contact SPU to report the water outage.