

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 24, 2022** to **Sunday, October 30, 2022**

PUBLISHED November 2, 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**

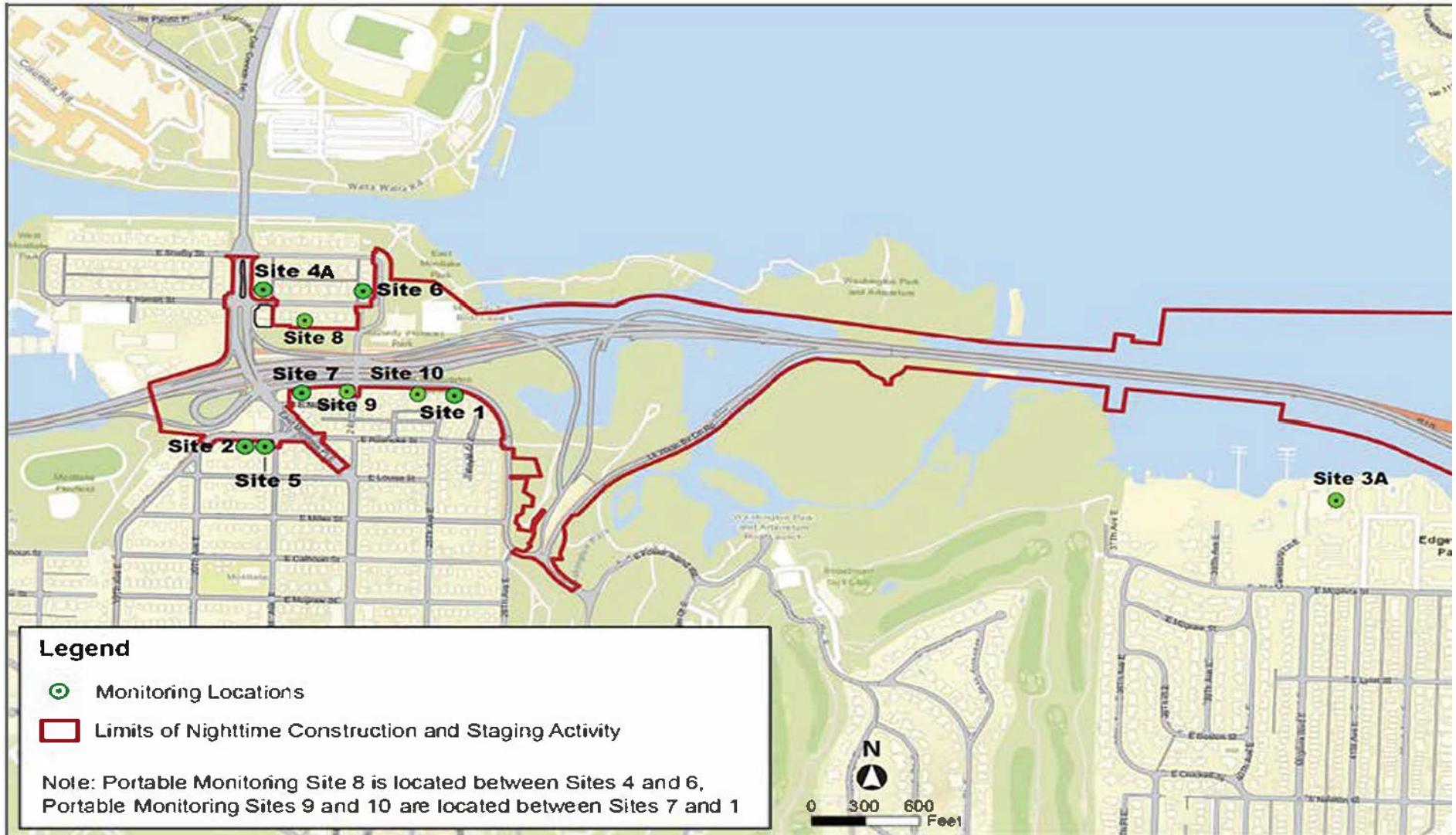
MPPCNV days to date: **1172**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	16

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	616
Total Project related non-compliance	118
Total noise issue comments to the project	127
Total non-project related exceedances	3948

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 24, 2022 to Sunday, October 30, 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 24, 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	54.0	51.5	48.9	46.1	45.9	46.1	53.2	55.4	57.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	56.5	53.2	56.3	51.2	54.6	56.4	59.8	62.7	N/A	N/A
Site 3A - Canterbury Shores	62	46.3	45.5	45.8	44.7	43.8	43.6	46.9	47.8	50.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.1	56.6	52.5	51.5	49.5	52.2	56.3	61.5	60.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	55.2	52.0	56.5	50.3	52.0	55.0	57.7	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	55.7	52.4	50.6	50.0	49.9	53.6	55.4	56.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.3	51.4	48.3	48.0	46.1	48.1	52.5	55.0	59.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.9	55.5	52.1	48.9	48.8	48.3	54.2	55.5	57.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.1	57.9	53.9	52.9	53.1	57.1	60.6	62.5	68.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.4	58.7	55.9	55.1	53.3	54.8	61	64.5	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:
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 24, 2022 to Sunday, October 30, 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 25, 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	59.8	56.0	52.8	50.1	50.9	47.3	48.7	55.2	58.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	60.1	55.5	53.2	52.0	51.8	55.8	59.8	62.2	N/A	N/A
Site 3A - Canterbury Shores	62	49.5	52.3	47.3	45.1	45.7	44.6	45.1	48.0	49.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.6	58.5	54.5	50.0	51.1	50.6	54.8	57.9	60.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	61.9	54.4	51.6	50.7	49.8	53.7	58.4	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	54.2	51.4	47.6	50.2	48.2	48.5	53.0	55.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	54.2	50.1	46.4	46.9	46.5	53.6	54.9	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.3	53.9	52.0	47.4	50.3	47.5	49.4	54.5	56.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.0	62.6	57.6	54.4	54.1	54.8	62.6	66.1	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.1	62.4	57.4	55.0	54.7	55.9	58.6	64.0	66.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am working on installing conduits on DXEI merging lanes, 5 workers on site. Graham worked between 10:00pm and 11:20pm working on drainage installation

Public Comments:

At 9:50 p.m. Bob Derry received a complaint from 2449 E. Lake Washington Boulevard to say, "that construction noise was louder than usual on the SR 520" and that they recognized sounds like, "the banging tailgates of dump trucks." The resident wanted to know how long work would continue. The resident verified that work and noise was continuing at 10:15 pm, when Bob Derry followed up with the resident

At 10:19 p.m. Bob Derry received a voice mail complaint from 2429 E. Lake Washington Boulevard to say, "it was louder than the usual weeknight construction noise and wanted to know how much longer it would last." they were wondering why, since it was so loud, they hadn't received a notice or been offered a hotel room.

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 24, 2022 to Sunday, October 30, 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 26, 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	56	54.6	54.5	47.6	49.5	48.9	48.7	55.3	57.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.4	56.8	54.9	52.1	52.9	52.6	56.1	58.4	60.8	N/A	N/A
Site 3A - Canterbury Shores	62	49.5	48.3	47.9	48	47.5	46.7	46.3	49.6	51.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.6	57.3	56	52	53.5	53.6	55.3	59.5	61.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	56	54	51.2	52.1	52.1	54.4	57.1	59.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.3	55	55	50.9	52.1	52.4	51.8	56.5	59	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.6	52	50.3	46.6	48.5	48.4	51.4	54.9	59.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	55.5	53.5	48.9	51.3	52	51.8	56.6	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.3	58.4	57.6	53.4	55.5	54.6	63.4	62.1	69.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	61.9	60.4	55	56	54.3	57.2	65.2	66.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:38am working on lighting on Pier 2 WB, 4 workers on site. Graham worked between 10:00pm and 1:10am working on drainage installation. Graham worked between 4:00am and 4:50am moving barriers on Pier 2 East.

Public Comments:

At 10:38 p.m. Bob Derry received a complaint from 2449 E. Lake Washington Boulevard. The resident believed the work would stop at 10:00 p.m.

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 24, 2022 to Sunday, October 30, 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 27, 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	56.9	54.4	52.3	50.2	50.5	54.8	55.1	57.2	59.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	58.8	55.6	54.1	54.4	59.3	60.3	61.2	64.0	N/A	N/A
Site 3A - Canterbury Shores	62	50.3	46.9	45.6	44.9	46.7	52.7	54.6	53.4	55.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	60.1	58.3	58.8	50.9	53.8	55.8	57.5	60.2	62.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	57.4	54.0	52.2	53.1	61.0	60.8	61.2	63.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.5	56.9	53.1	48.9	48.8	52.6	52.7	56.1	58.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.7	55.0	50.7	47.6	47.6	53.9	54.5	57.1	59.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	56.8	52.9	48.1	48.7	51.6	52.3	56.1	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.1	66.6	57.9	55.4	55.1	58.7	63.2	65.9	68.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.8	60.4	58.2	55.2	55.7	58.4	59.5	65.7	68.0	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:38am working on lighting on floating span and Pier 2 WB, 2 workers on site. Graham worked between 10:00pm and 12:13am working on the laydown yard.

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 24, 2022 to Sunday, October 30, 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

Friday, October 28, 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	59.7	57.3	52.7	53.0	48.1	50.2	51.2	51.8	54.1	57.4	58.4
Site 2 - 2015 E. Roanoke St	78	61.6	60.0	58.5	62.7	59.8	53.8	54.3	55.7	57.9	59.2	60.9
Site 3A - Canterbury Shores	62	48.0	45.7	44.8	43.4	43.5	41.5	42.7	44.4	45.1	48.3	48.8
Site 4A - 2110 E. Hamlin St	66	59.8	59.3	56.5	63.6	60.9	51.0	52.9	54.1	58.2	57.4	60.8
Site 5 - 2565 22nd Av E.	65	59.9	58.4	56.9	60.7	55.8	52.0	52.9	54.1	56.5	57.6	59.6
Site 6 - 2160 E. Hamlin St	63	60.8	59.8	56.2	55.3	56.6	53.1	52.0	50.3	51.9	53.7	56.7
Site 7 - 2209 E. Lake Wa Blvd	66	57.9	55.5	53.4	59.2	51.6	48.0	49.2	49.5	51.8	53.2	55.9
Site 8 - Portable Between Sites 4 and 6	63	60.9	59.4	56.7	57.7	55.6	51.5	52.6	51.7	53.6	55.1	57.8
Site 9 - Portable Between Sites 1 and 7	66	62.3	60.7	59.0	71.0	58.5	54.5	55.8	57.4	59.6	60.0	62.4
Site 10 - Portable Between Sites 1 and 7	66	66.8	64.8	61.2	59.4	58.1	55.1	56.2	57.6	60.0	63.1	66.7

*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:

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 24, 2022 to Sunday, October 30, 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 29, 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	56.4	55.1	53.4	53	51.2	49.6	46.1	48.6	50.5	52.6	56.4
Site 2 - 2015 E. Roanoke St	78	60	59.1	58.9	61.9	56.9	54.1	52.7	53.6	55.7	57.2	60.0
Site 3A - Canterbury Shores	62	47.9	46.3	46.0	47.8	46.1	45.0	41.7	44.7	45.7	47.2	50.0
Site 4A - 2110 E. Hamlin St	66	60.1	58.9	59.1	59.9	57.6	54.6	53.9	54.0	56.8	57.6	60.6
Site 5 - 2565 22nd Av E.	65	58.7	57.7	57.6	61.8	55.5	52.9	51.2	52.5	54.8	56.3	59.3
Site 6 - 2160 E. Hamlin St	63	59.9	57.5	56.7	56.8	55.6	53.5	50.6	51.2	53.2	54.6	58.1
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	54.9	53.2	55.3	51.6	50.2	46.4	48.4	50.8	52.7	55.1
Site 8 - Portable Between Sites 4 and 6	63	58.9	57.1	58.7	57.2	54.9	52.9	50.1	52.0	54.1	55.9	59.0
Site 9 - Portable Between Sites 1 and 7	66	61.1	62.2	60.6	63.6	59.6	55.7	53.5	55.0	58.3	61.2	61.7
Site 10 - Portable Between Sites 1 and 7	66	65.3	64.3	61.3	59.6	58.3	54.9	54.1	56.6	58.6	61.1	64.4

*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:

No Exceedances

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 24, 2022 to Sunday, October 30, 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 30, 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	56.0	57.3	54.9	54.9	51.8	47.6	50.5	55.3	57.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	63.7	62.0	60.9	58.1	53.9	55.1	59.2	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	52.6	58.5	56.1	55.5	53.0	46.7	44.0	48.0	50.2	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	60.6	60.0	59.2	55.7	53.6	60.4	55.5	59.9	62.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.5	65.3	62.9	62.4	59.1	53.2	53.8	58.1	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.1	55.6	53.1	53.7	51.7	50.0	53.1	56.6	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	56.3	53.6	53.3	52.6	46.9	49.9	55.6	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.7	55.7	52.6	51.9	49.5	50.2	53.0	56.7	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.1	64.7	61.1	59.1	56.8	55.1	58.3	64.2	67.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	63.0	59.4	58.3	54.5	50.7	56.4	64.2	67.5	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 5, 9, & 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 24, 2022 to Sunday, October 30, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
9:50 p.m. 10/25/2022	From: Nearby resident To: Project Hotline	At 9:50 p.m. Bob Derry received a complaint from 2449 E. Lake Washington Boulevard to say, "that construction noise was louder than usual on the SR 520" and that they recognized sounds like, "the banging tailgates of dump trucks." The resident wanted to know how long work would continue. The resident verified that work and noise was continuing at 10:15 pm, when Bob Derry followed up with the resident	Bob Derry followed up with the resident and reported the complaint to PBS. The work stopped early that night for unrelated reasons. Complaint was determined as being related to work outside the MPPCNV hours
10:19 p.m. 10/25/2022	From: Nearby resident To: Project Hotline	At 10:19 p.m. Bob Derry received a voice mail complaint from 2429 E. Lake Washington Boulevard to say, "it was louder than the usual weeknight construction noise and wanted to know how much longer it would last." they were wondering why, since it was so loud, they hadn't received a notice or been offered a hotel room.	Bob Derry called back at 10:26 p.m. and left a message asking if the noise was continuing then reported the complaint to PBS at 10:27 a.m. The work stopped early that night for unrelated reasons. Complaint was determined as being related to work outside the MPPCNV hours
10:38 p.m. 10/26/2023	From: Nearby resident To: Project Hotline	At 10:25 p.m. The project hotline received a complaint from 2449 E. Lake Washington Boulevard to say, "to note the noise from excavation and other forms of construction work that they were hearing, after being told work wouldn't exceed noise after 10 p.m." This complaint was reported to PBS and the resident was called back to inform them that the noise was being investigated.	The resident was informed their comment would be noted and that the noise monitor would be checked.