

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 21, 2022** to **Sunday, March 27, 2022**

PUBLISHED March 30th, 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). Work was performed under TNV numbers 6884991-NV & 6882384-NV.

MPPCNV start date: Friday, August 16, 2019

MPPCNV days to date: 955

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	23

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	469
Total Project related non-compliance	113
Total noise issue comments to the project	115
Total non-project related exceedances	3546

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 21, 2022 to Sunday, March 27, 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, March 21, 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	49.4	47.5	47.6	44.8	44.2	47.4	48.4	52.2	54.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	56.6	55.9	53.6	59.5	54.7	56.2	58.7	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	48.7	46.8	46.5	42.5	46.3	44.5	44.1	49.8	53.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	64.8	62.7	57.2	58.0	59.3	62.6	66.3	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.0	54.9	54.3	51.4	58.0	53.0	53.7	56.8	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.7	53.3	53.5	50.1	49.6	51.6	49.5	55.0	57.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.3	47.6	47.5	46.7	44.2	46.4	47.3	51.4	54.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.4	54.6	54.2	51.2	50.7	52.9	51.9	56.4	59.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.1	58.3	58.3	53.9	59.7	56.9	57.8	61.3	65.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.5	60.5	58.7	57.9	56.8	59.8	60	64.5	66.8	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 5:16am excavating & installing utilities, installing piles at Pier 2, and pulling wires

Public Comments:
 The same resident as last Thursday texted the following, "Making a lot of noise again Tonight 1 AM woke us up... sounds like a Bacot or a front loader scraping pavement or dumping rocks." referring to a scraping noise that woke him up from 1:00 am to 1:20 am.

Exceedances:
 Sites 4, & 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 21, 2022 to Sunday, March 27, 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, March 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	52.6	52.3	50.0	47.5	46.1	48.8	48.6	54.0	54.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	59.8	58.0	55.3	54.0	57.1	56.6	60.6	63.2	N/A	N/A
Site 3A - Canterbury Shores	62	52.6	52.9	48.7	46.8	43.7	44.0	46.1	50.6	52.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	63.2	68.0	57.7	57.7	61.0	62.4	66.3	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	58.4	56.3	53.3	52.2	55.6	54.4	58.5	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.7	57.5	55.2	52.2	50.3	49.3	50.0	55.9	58.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.9	50.8	50.3	46.2	44.6	49.5	47.1	52.1	53.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	59.3	56.6	53.2	51.2	51.0	51.8	57.8	59.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	60.1	65.1	55.3	56.5	61.9	57.0	62.0	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.8	62.5	59.2	58.8	56.5	60.5	58.8	64.7	66.7	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 5:00am excavating & installing utilities, installing piles at pier 2, and pulling wires

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

Exceedances:
 Sites 4, & 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
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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 21, 2022 to Sunday, March 27, 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, March 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	54	54	50.7	49.3	47.9	48.4	49.5	53.6	57.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.9	60.4	58	56.1	54.6	55.5	60.6	59.6	63.5	N/A	N/A
Site 3A - Canterbury Shores	62	52.8	51.7	48.1	46.9	42.7	47.3	48.3	51.2	54.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66	64.9	61.5	58.8	57.4	59.6	65.7	66.4	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.1	58.4	59.1	54.8	52.3	54.2	56.6	57.5	61.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	59.7	56	53.4	51.5	50.8	49.9	53.1	55.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	52.3	49.5	47.7	47.2	47.4	48.6	52.2	55.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.6	61.2	57.4	55.3	52.5	53.8	54	55.4	59.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	60.7	60.1	56.1	56.2	57.5	59.1	60.8	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.6	64.3	61.7	59.3	59.4	59.2	60.4	64.7	67.6	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 4:40am excavating & installing utilities, installing piles at Pier 2, and pulling wires

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

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

Non-Compliance:
 None

Legend
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NOISE MONITORING - WEEKLY REPORT
Monday, March 21, 2022 to Sunday, March 27, 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, March 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	50.3	48.7	47.5	48.3	45.8	49.1	47.8	51.2	55.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	59.1	64.8	55.8	54.7	54.7	57.5	59.9	62.7	N/A	N/A
Site 3A - Canterbury Shores	62	52.7	50.7	49.3	45.7	46.0	45.6	46.0	50.0	53.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	63.1	63.7	61.3	58.8	59.4	62.8	65.8	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	57.6	64.1	53.9	52.9	53.0	55.3	58.1	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.4	52.1	50.7	49.8	47.9	50.1	49.6	52.6	56.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	49.2	48.2	55.0	47.3	44.2	45.6	46.4	50.3	54.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	51.8	51.9	51.2	49.5	51.5	52.1	55.7	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	59.6	69.3	59.1	55.8	55.8	57.0	60.0	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	61.3	58.6	60.0	56.4	58.6	61.1	63.2	66.2	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 5:10am excavating & installing utilities, installing piles at Pier 2, and pulling wires

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

Exceedances:
Site(s) 4, 9, & 10 exceedances are due to public traffic driving by the noise monitors **(not work related)**.

Non-Compliance:
None

Legend
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Monday, March 21, 2022 to Sunday, March 27, 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, March 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	53.2	52.2	49.4	49.4	44.5	44.1	41.1	46.5	51.3	52.1	53.0
Site 2 - 2015 E. Roanoke St	78	62.1	60.7	58.3	57.1	53.7	51.5	52.2	56.4	59.0	59.8	61.9
Site 3A - Canterbury Shores	62	54.1	53.1	49.4	47.5	45.7	42.0	41.6	45.8	49.8	52.2	54.7
Site 4 - 2800 Montlake Blvd E	66	65.7	64.0	62.3	61.1	59.1	56.2	58.8	64.7	68.1	67.1	64.5
Site 5 - 2565 22nd Av E.	65	60.6	59.1	56.8	55.6	51.6	49.9	50.6	54.7	57.5	58.3	60.6
Site 6 - 2160 E. Hamlin St	63	54.0	53.8	53.8	53.3	51.3	46.9	47.8	50.7	54.0	55.2	54.5
Site 7 - 2209 E. Lake Wa Blvd	66	51.4	50.2	48.5	47.4	43.9	42.6	42.7	46.0	50.3	50.9	52.2
Site 8 - Portable Between Sites 4 and 6	63	56.9	56.8	56.1	55.8	53.7	50.9	50.7	53.8	57.5	59.1	58.9
Site 9 - Portable Between Sites 1 and 7	66	61.9	60.6	57.8	57.4	53.5	53.8	53.2	56.0	59.6	60.1	62.7
Site 10 - Portable Between Sites 1 and 7	66	64.4	63.5	59.3	58.6	56.0	54.3	51.9	57.2	61.8	64.4	66.2

*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, & 10 exceedances are due to public traffic driving by the noise monitors (**not work related**).

Non-Compliance:

None

Legend

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

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Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

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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 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	51.7	50.4	47.6	45.8	45.3	44.1	42.3	45.6	50.4	51.1	52.8
Site 2 - 2015 E. Roanoke St	78	62.6	62.2	59.6	58.2	56.4	53.8	53.8	56.3	58.5	59.6	60.9
Site 3A - Canterbury Shores	62	53.8	53.1	50.1	48.5	47.6	44.8	43.7	45.8	49.3	51.3	53.2
Site 4 - 2800 Montlake Blvd E	66	65.5	67.2	61.3	61.2	59.4	56.9	58.1	61.8	66.6	66.0	66.4
Site 5 - 2565 22nd Av E.	65	61.0	60.5	57.9	56.4	54.9	52.4	52.2	54.5	56.8	58.1	59.5
Site 6 - 2160 E. Hamlin St	63	51.5	50.8	47.0	45.1	48.9	44.2	45.5	48.4	52.5	52.8	53.2
Site 7 - 2209 E. Lake Wa Blvd	66	50.1	49.5	47.6	47.1	44.3	43.5	41.9	44.7	50.5	50.6	52.1
Site 8 - Portable Between Sites 4 and 6	63	54.7	54.3	50.5	49.6	52.2	48.5	49.5	50.8	56.4	56.9	57.3
Site 9 - Portable Between Sites 1 and 7	66	60.8	61.3	58.7	60.0	55.7	54.4	53.3	55.4	58.0	59.4	62.5
Site 10 - Portable Between Sites 1 and 7	66	64.5	63.4	58.9	58.2	56.4	54.5	53.8	55.7	60.2	62.5	65.1

*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 exceedances are due to public traffic driving by the noise monitors **(not work related)**.

Non-Compliance:

None

Legend

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

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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 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	50.3	47.4	45.7	43.0	43.1	47.2	47.8	50.6	54.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	59.2	57.3	55.0	52.7	54.1	56.5	59.3	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	51.5	50.3	47.0	46.7	43.9	45.5	46.8	50.8	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	69.2	65.1	54.0	59.8	58.1	56.8	58.3	62.2	65.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	57.3	55.6	54.2	54.2	51.1	52.2	54.3	57.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.6	50.4	46.9	48.8	46.9	48.5	47.3	51.0	53.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.3	45.9	48.7	41.9	41.4	43.8	45.3	49.8	53.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.4	53.7	53.0	52.2	48.7	51.2	51.0	53.9	57.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.8	57.5	63.9	54.8	51.9	54.5	55.8	59.8	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	58.1	54.2	53.3	52.3	54.6	57.6	62.6	65.8	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 exceedance is due to public traffic driving by the noise monitors (**not 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).

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, March 21, 2022 to Sunday, March 27, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
3/22/2022 @ 1:03am	To: Project Hotline per PBS. From: Nearby resident	A nearby resident called and texted the project hotline and project team at 1:00 a.m. on 3/22. They said, "Making a lot of noise again Tonight 1 AM woke us up... sounds like a Bacot or a front loader scraping pavement or dumping rocks." They said this went on for about 20 minutes between 1 a.m. and 1:20 a.m.	Bob Derry, called the resident at 12:00 p.m. on 3/22/22 and asked about their experience last night. The neighbor said it was normal, low construction noise, and was not disturbing until the scraping noise woke him up around 1 a.m. The neighbor said he called the project hotline let it ring for a while but didn't want to wake somebody up, so he said he texted the hotline. Bob Derry told him that it was best to wait for the hotline to be answered because if one person doesn't pick up, the call rolls to another person. Bob Derry asked him if there is another occurrence to wait for the hotline to be answered so we can dispatch an inspector to the area to see what is causing the noise. The neighbor agreed and the call was ended.