

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, May 2, 2022** to **Sunday, May 8, 2022**

PUBLISHED May 11th, 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: 997

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	1
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	25

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	497
Total Project related non-compliance	114
Total noise issue comments to the project	116
Total non-project related exceedances	3694

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, May 2, 2022 to Sunday, May 8, 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, May 2, 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	49.3	48.7	44.0	44.8	41.2	41.9	45.6	49.4	52.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.9	57.1	58.4	58.6	51.0	52.4	55.8	58.7	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	48.5	48.5	43.8	42.8	38.7	40.9	43.5	49.0	52.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	63.4	59.7	64.5	56.6	57.9	62.1	65.6	69.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.7	55.1	57.0	53.7	49.1	50.8	54.9	56.9	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.6	54.3	49.7	49.2	44.3	48.1	53.5	57.3	56.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.2	52.6	49.1	48.0	46.0	48.1	53.3	58.4	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.4	55.7	50.9	50.9	45.4	46.9	52.2	56.6	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.7	58.2	57.0	54.4	53.0	54.3	57.5	60.6	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.3	61	57.1	56.3	55.2	55.4	58.9	63.8	66.4	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 7:00am pulling wires under the Montlake lid and tying rebar at pier 2.

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

= 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, May 2, 2022 to Sunday, May 8, 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, May 3, 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	52.1	52.0	47.5	44.5	43.0	47.4	49.2	53.5	56.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	59.9	57.3	56.5	57.5	55.6	56.7	59.7	62.8	N/A	N/A
Site 3A - Canterbury Shores	62	50.4	50.6	46.0	44.1	40.9	42.9	47.6	51.7	55.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.8	62.8	59.0	61.0	59.0	60.2	62.8	66.0	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	58.2	56.0	55.1	56.9	54.4	55.1	57.8	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.1	51.6	47.9	47.4	44.8	47.8	53.0	59.1	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	57.1	55.9	54.3	51.5	56.7	53.5	58.0	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	54.8	51.4	51.3	49.6	53.1	53.9	54.5	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.3	64.7	62.5	61.3	59.6	62.2	59.0	61.0	63.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.1	63.6	59.1	56.0	54.7	58.4	59.9	64.6	67.5	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 4:20am pulling wires under the Montlake lid and re-stripping the roadways. American Bridge girder deliveries come in from 4:00am to 5:10am.

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

= 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, May 2, 2022 to Sunday, May 8, 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, May 4, 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	51.3	46.9	43	43.6	42.5	44.7	45	50.5	53.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	58.5	56.9	53.8	53.9	53	54.5	58.5	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	52.8	49.1	46.6	45.1	45	40.1	43.3	49.1	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	62.3	59.9	59.9	62.4	59.3	62.6	65.9	69	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.2	57	54.2	52	53	51.9	52.7	56.7	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.7	48.4	44.4	42.8	47.1	47.5	52	59	57.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.8	51.4	47.7	47	49.6	46.6	49.6	54.3	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54	51.9	47.4	46.8	50.4	47.7	51.1	56.5	59.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	58.2	55.4	54.9	60.3	54.4	56.9	60.7	64	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.9	54.5	54.6	55.1	56.3	57.6	64	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 3:25am pulling wires under the Montlake lid. American Bridge girder deliveries come in from 3:50am to 5:12am.

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

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NOISE MONITORING - WEEKLY REPORT
Monday, May 2, 2022 to Sunday, May 8, 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, May 5, 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	49.9	47.1	45.9	44.9	45.7	48.4	49.9	52.3	55.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.9	58.6	55.9	53.9	53.0	53.7	57.8	59.7	63.5	N/A	N/A
Site 3A - Canterbury Shores	62	52.6	48.1	44.8	43.9	42.5	41.0	46.2	50.2	54.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.0	66.4	61.9	59.2	58.2	58.9	68.9	65.9	70.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	56.9	54.4	52.5	51.4	52.0	56.1	57.8	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.3	53.2	50.4	49.4	51.8	51.9	54.9	58.9	56.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	52.2	49.8	48.2	52.3	53.0	56.3	59.5	58.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.6	54.3	52.3	51.3	51.8	51.6	55.9	57.3	59.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.6	59.2	57.1	54.5	57.1	56.6	61.6	62.0	67.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.5	61.4	59.0	57.0	54.7	59.6	59.1	65.3	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 3:10am pulling wires under the Montlake lid. Graham worked on moving rebar from 3:30am to 7:00am.

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:
Design Builder's subcontractor Tyler Rental was observed operating during the MPPCNV monitoring hours:
- 4:09am with an equipment (excavator) having pure tonal backup alarm on pier 4 while offloading the equipment onto the pier.
- 4:35am with an equipment (excavator) having pure tonal backup alarm on pier 1 east while loading the equipment to leave the site.

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Monday, May 2, 2022 to Sunday, May 8, 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, May 6, 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	49.8	48.7	46.1	46.0	47.2	47.4	48.0	49.0	51.5	53.4
Site 2 - 2015 E. Roanoke St	78	62.2	61.0	59.3	57.1	57.2	56.8	58.1	57.0	60.9	61.1	62.3
Site 3A - Canterbury Shores	62	52.2	51.3	50.2	47.6	49.6	50.9	52.3	49.4	52.0	51.4	52.5
Site 4 - 2800 Montlake Blvd E	66	66.8	64.5	62.4	61.8	61.9	60.4	61.4	63.2	67.4	66.5	67.3
Site 5 - 2565 22nd Av E.	65	60.7	59.6	57.8	56.6	57.5	57.9	58.9	56.0	59.3	59.4	61.0
Site 6 - 2160 E. Hamlin St	63	54.3	50.4	51.0	47.7	47.5	47.9	49.8	53.7	53.5	52.6	56.5
Site 7 - 2209 E. Lake Wa Blvd	66	57.1	54.3	52.9	50.4	50.6	50.6	52.1	52.5	55.0	54.6	56.8
Site 8 - Portable Between Sites 4 and 6	63	55.7	53.3	53.7	50.4	51.0	49.5	51.4	55.8	57.1	56.1	58.3
Site 9 - Portable Between Sites 1 and 7	66	64.0	61.9	60.1	58.2	57.8	56.8	58.7	59.2	62.7	62.5	63.5
Site 10 - Portable Between Sites 1 and 7	66	65.7	63.2	60.7	58.3	56.9	57.0	59.5	59.9	62.5	64.4	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:

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

Non-Compliance:

None

Legend

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Monday, May 2, 2022 to Sunday, May 8, 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, May 7, 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	49.6	48	45.4	44.6	41.9	42.3	42.1	43.9	45.6	48.4	51.0
Site 2 - 2015 E. Roanoke St	78	60.9	69.7	58.9	56	54.6	51.9	53.4	54.4	57.2	59.4	61.3
Site 3A - Canterbury Shores	62	50.9	49.2	46.8	45.4	43.8	43.4	41.6	44.4	46.9	50.5	51.8
Site 4 - 2800 Montlake Blvd E	66	65.1	72.5	69.3	62.8	59.4	56.9	57.6	60.6	64.8	65.3	65.8
Site 5 - 2565 22nd Av E.	65	59.4	68.6	57.2	54.6	53.0	50.5	51.5	52.5	55.7	58.0	59.9
Site 6 - 2160 E. Hamlin St	63	55.1	54.9	52.4	50.7	49.9	48.3	49.8	56.9	50.4	54.9	54.2
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	57.5	53.9	49.8	48.5	46.6	50.7	50.6	52.4	52.9	55.1
Site 8 - Portable Between Sites 4 and 6	63	56.4	57.8	55.2	52.3	51.0	50.2	52.3	52.6	54.3	55.9	56.9
Site 9 - Portable Between Sites 1 and 7	66	60.3	68.4	62.5	57.0	54.9	52.8	60.6	54.9	58.0	59.8	61.3
Site 10 - Portable Between Sites 1 and 7	66	64.2	61.1	60.1	56.7	55.7	52.8	51.9	57.4	58.7	61.6	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, 5 & 9 exceedances are due to public traffic driving by the noise monitors (not work related).

Non-Compliance:

None

Legend

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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, May 8, 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	49.7	47.3	41.7	40.8	39.9	42.6	47.5	49.3	53.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.6	55.8	52.5	54.7	49.3	51.3	56.3	58.3	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	50.2	47.5	43.2	41.9	42.5	40.3	45.0	48.9	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	62.6	59.5	57.5	55.8	57.2	62.6	71.0	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.9	54.4	51.2	53.6	48.4	49.7	55.4	56.4	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.1	54.0	51.2	48.2	47.5	45.5	59.4	55.2	57	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	52.1	47.8	48.1	44.5	44.6	49.4	54.1	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.4	55.3	54.2	50.5	50.8	48.2	47.0	52.3	56.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	55.9	53.3	57.6	49.4	53.0	57.0	60.5	63.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.0	58.3	54.8	54.2	51.2	52.0	58.4	63.5	66.5	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(s) 4, & 10 exceedances are due to public traffic driving by the noise monitors (**not work related**).

Non-Compliance:

None

Legend

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NOISE MONITORING - WEEKLY REPORT

Monday, May 2, 2022 to Sunday, May 8, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution