

## SR 520 Montlake Project

**Noise Monitoring Weekly Report Summary for Monday, April 11, 2022 to Sunday, April 17, 2022**

**PUBLISHED April 20th, 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 6889593-NV & 6888254-NV.

**MPPCNV start date: Friday, August 16, 2019**

**MPPCNV days to date: 976**

### WEEKLY TOTALS

<b>Nights worked this week (under the MPPCNV)</b>	<b>4</b>
<b>Project related non-compliance this week</b>	<b>0</b>
<b>Nighttime noise issue comments to the project</b>	<b>1</b>
<b>Non-project-related noise exceedances this week</b>	<b>23</b>

### PROJECT TOTALS TO DATE

<b>Total Nights Worked (under the MPPCNV)</b>	<b>483</b>
<b>Total Project related non-compliance</b>	<b>113</b>
<b>Total noise issue comments to the project</b>	<b>116</b>
<b>Total non-project related exceedances</b>	<b>3624</b>

**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, April 11, 2022 to Sunday, April 17, 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

<b>Monday, April 11, 2022</b>												
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	47.0	45.9	46.5	45.9	44.3	48.4	51.0	52.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.5	63.3	52.4	52.3	50.6	51.8	57.3	58.7	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	48.4	45.6	44.5	45.9	47.1	44.1	46.4	50.3	53.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.1	64.3	59.2	58.8	57.5	59.0	62.9	66.3	69.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.4	62.3	51.0	51.0	50.0	50.4	57.3	57.2	59.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.7	52.2	56.9	59.6	50.5	49.5	52.4	58.8	59.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.0	46.8	44.8	45.0	44.9	44.5	47.6	50.6	53.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	54.1	51.3	52.4	49.5	49.5	53.1	56.6	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.3	67.8	54.1	55.6	53.5	56.5	57.7	60.9	63.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.8	60.7	60.2	60.3	57.7	58.6	59.8	64.4	65.7	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 4:40am excavating footing and shoring pier 2 & pulling wire under the lid.

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

**Exceedances:**  
Sites 4 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, April 11, 2022 to Sunday, April 17, 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

<b>Tuesday, April 12, 2022</b>												
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	48.8	48.4	48.8	50.0	49.4	47.5	48.9	53.5	56.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.1	57.2	56.3	58.5	54.0	54.7	56.2	60.3	63.4	N/A	N/A
Site 3A - Canterbury Shores	62	48.5	48.2	47.0	46.3	45.7	45.7	47.0	51.0	56.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.6	60.1	58.4	57.9	55.0	56.9	60.9	65.7	67.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.9	55.6	54.7	58.5	52.5	52.9	54.2	58.3	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.3	52.3	50.9	50.5	51.0	48.9	49.1	57.3	56.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	47.8	47.6	49.2	49.5	47.0	45.8	46.8	51.5	55.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.9	54.1	52.6	53.1	51.8	51.5	50.7	53.5	55.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.0	57.6	57.8	63.2	55.3	55.9	56.6	60.3	67.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.5	61.1	59.7	61.3	65.2	59.0	59.0	63.9	69.9	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 shoring pier 2, & pulling wire under the lid

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Sites 4, 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, April 11, 2022 to Sunday, April 17, 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

<b>Wednesday, April 13, 2022</b>												
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	50.7	50.1	48.5	47.9	47.3	46.6	46	50.4	53.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	57	54.4	53	53.5	53.6	56.1	58.9	62.6	N/A	N/A
Site 3A - Canterbury Shores	62	50.1	47.1	44.5	45.8	44.5	44	45	48.9	53.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.3	62.4	60.2	58.7	58.1	59.3	62.8	66	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	55.3	53.5	51.5	51.6	51.9	53.9	57.1	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.7	52	51.6	49	47.5	49	49.1	54.1	58.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	49.8	48.1	46.3	46.9	49.2	46.2	45.3	50.1	53.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.8	54.2	51.7	50.4	49.5	49.6	50.8	53.8	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	57.9	55.7	56.2	58.5	56.1	57.7	60.1	65.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.8	62.7	61.6	62.1	62.8	59.6	58.8	63.7	66.3	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 4:30am shoring pier 2, & pulling wire under the lid

**Public Comments:**

Resident texted project hotline at 3am "3:01 a.m. Pounding and pounding not like a hammer like a Kyle (sic) driver or a large front loader slamming down on something and 3:29 Still pounding and slamming" Bob Derry responded at 10:15 a.m. and confirmed the sound with the resident, who thanked him for the return call and said they texted us so we would know people were hearing those noises. All work covered under TNV #6888254-NV

**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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, April 11, 2022 to Sunday, April 17, 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

<b>Thursday, April 14, 2022</b>												
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	49.5	48.8	46.6	44.5	43.7	44.8	47.6	50.5	52.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	56.5	55.1	53.4	51.3	51.6	54.7	58.7	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	49.8	48.4	45.5	43.3	40.6	42.0	47.3	49.2	52.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.3	63.4	62.0	62.5	57.4	59.7	63.3	65.9	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	55.4	54.1	52.0	49.6	49.9	53.2	59.0	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	54.9	51.1	49.0	47.0	47.4	55.5	59.7	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	49.9	49.3	48.8	43.8	44.2	44.1	47.5	50.3	54.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.2	55.2	52.7	51.3	47.6	48.3	52.5	54.7	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.4	57.7	57.6	59.0	54.4	54.6	57.6	59.7	67.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.6	63.3	60.1	55.9	56.7	58.4	59.6	64.0	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 6:10am shoring pier 2, & pulling wire under the lid

**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**

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

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**NOISE MONITORING - WEEKLY REPORT**  
Monday, April 11, 2022 to Sunday, April 17, 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

<b>Friday, April 15, 2022</b>												
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	55.3	54.3	52.3	50.9	49.0	47.0	47.2	50.2	52.1	52.8	53.3
Site 2 - 2015 E. Roanoke St	78	62.0	62.2	59.4	57.9	57.1	55.5	55.4	58.4	60.1	61.2	61.7
Site 3A - Canterbury Shores	62	53.4	53.8	52.1	49.4	48.7	45.5	45.7	48.0	51.4	54.9	56.2
Site 4 - 2800 Montlake Blvd E	66	65.7	65.9	62.2	61.1	60.6	57.9	59.0	62.6	66.0	66.2	67.1
Site 5 - 2565 22nd Av E.	65	60.2	59.9	57.5	56.0	55.5	53.8	54.0	56.9	58.5	59.7	60.2
Site 6 - 2160 E. Hamlin St	63	54.0	55.2	52.8	51.2	50.7	47.0	54.1	54.0	52.1	52.2	54.6
Site 7 - 2209 E. Lake Wa Blvd	66	52.4	53.0	49.5	48.3	46.9	45.1	47.8	48.5	50.4	51.8	53.3
Site 8 - Portable Between Sites 4 and 6	63	56.9	57.2	53.8	54.6	54.3	50.2	51.4	53.7	55.5	54.8	55.2
Site 9 - Portable Between Sites 1 and 7	66	60.8	60.1	57.5	56.1	56.1	54.5	54.6	58.0	59.1	61.1	61.7
Site 10 - Portable Between Sites 1 and 7	66	65.6	65.1	61.9	60.3	58.1	55.9	57.0	60.0	62.5	64.2	66.5

\*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.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, April 11, 2022 to Sunday, April 17, 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

<b>Saturday, April 16, 2022</b>												
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	52.8	50	47.8	43.9	45.4	45.8	41.4	46.7	51.1	50.6	52.7
Site 2 - 2015 E. Roanoke St	78	61.1	60.2	57.3	55.3	54.1	54	50.5	55.1	58.7	58.2	61.2
Site 3A - Canterbury Shores	62	52.0	50.1	47.0	45.0	44.2	46.8	41.0	44.5	49.6	49.3	51.4
Site 4 - 2800 Montlake Blvd E	66	66.4	65.0	63.8	61.6	59.0	59.1	56.6	61.3	65.9	64.8	67.1
Site 5 - 2565 22nd Av E.	65	59.9	58.6	55.7	53.5	52.3	53.0	49.9	53.8	57.1	56.7	59.9
Site 6 - 2160 E. Hamlin St	63	59.5	56.1	56.6	52.3	50.9	53.2	55.5	56.7	54.8	55.4	54.7
Site 7 - 2209 E. Lake Wa Blvd	66	52.4	49.9	48.7	45.1	45.5	45.1	42.1	47.1	50.6	50.6	53.4
Site 8 - Portable Between Sites 4 and 6	63	60.4	57.1	56.6	52.6	51.8	54.9	49.1	53.0	57.8	56.5	58.4
Site 9 - Portable Between Sites 1 and 7	66	62.2	60.3	58.8	55.8	55.0	55.8	52.3	55.5	59.6	59.8	66.0
Site 10 - Portable Between Sites 1 and 7	66	65.6	65.0	62.1	60.7	56.4	55.0	56.3	52.5	56.9	61.5	63.0

\*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 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.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

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**NOISE MONITORING - WEEKLY REPORT**  
Monday, April 11, 2022 to Sunday, April 17, 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

<b>Sunday, April 17, 2022</b>												
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	47.2	46.2	41.4	39.3	42.3	41.7	46.2	51.0	53.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.4	57.2	53.7	49.9	53.6	59.0	56.6	60.3	63.0	N/A	N/A
Site 3A - Canterbury Shores	62	48.9	45.4	44.0	42.5	43.8	42.7	45.6	51.6	55.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.2	61.8	80.9	59.3	56.7	57.7	67.5	64.2	66.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.0	57.7	53.6	49.4	49.4	52.6	56.7	55.9	58.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	53.3	54.0	47.4	48.5	47.8	52.3	55.3	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	47.7	48.8	42.5	40.0	47.6	42.3	47.0	51.6	53.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.1	54.0	51.9	48.5	50.0	49.1	51.1	55.7	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.4	55.3	54.4	49.7	53.7	61.0	58.8	62.1	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	61.6	58.2	52.5	50.5	50.6	51.3	57.2	63.5	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 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

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# = 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, April 11, 2022 to Sunday, April 17, 2022

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

<b>Public Comment Log</b>			
<b>Date / Time</b>	<b>To/From</b>	<b>Issue</b>	<b>Resolution</b>
3:00 a.m. 04/14/2022	From: Nearby resident To: Project Hotline	Resident texted project hotline at 3am "3:01 a.m. Pounding and pounding not like a hammer like a Kyle (sic) driver or a large front loader slamming down on something and 3:29 Still pounding and slamming"	Bob Derry called resident at 10:15 am 4/14/2022 to confirm what resident heard. The resident said the noise started around 3 a.m. and continued off and on for about 45 minutes. They said it sounded like the bucket from a front loader pounding on steel. They thanked Bob Derry for the return call and said they texted us so we would know people were hearing those noises. The noise was caused by excavator impacting metal sheets this work was covered under TNV #6888254-NV.