

## SR 520 Montlake Project

**Noise Monitoring Weekly Report Summary for Monday, May 16, 2022 to Sunday, May 22, 2022**

**PUBLISHED May 25th, 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: 1011**

<b>WEEKLY TOTALS</b>	
<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>20</b>

<b>PROJECT TOTALS TO DATE</b>	
<b>Total Nights Worked (under the MPPCNV)</b>	<b>505</b>
<b>Total Project related non-compliance</b>	<b>114</b>
<b>Total noise issue comments to the project</b>	<b>117</b>
<b>Total non-project related exceedances</b>	<b>3744</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, May 16, 2022** to **Sunday, May 22, 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, May 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	56.2	53.1	51.8	48.4	48.1	49.1	51.4	56.8	60.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	56.0	53.4	50.6	53.4	52.9	54.0	59.1	61.2	N/A	N/A
Site 3A - Canterbury Shores	62	53.7	50.2	47.2	45.3	41.5	41.2	40.9	43.0	50.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	61.5	59.0	56.2	56.5	58.6	61.7	68.5	68.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	54.5	52.3	49.0	52.4	51.0	52.3	58.1	59.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.6	51.8	52.4	51.1	49.5	47.1	52.4	54.3	54.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	52.0	52.5	51.7	51.3	49.2	49.8	55.0	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.3	53.2	52.9	50.2	51.3	48.8	50.7	57.7	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.0	56.2	55.4	52.6	57.0	56.8	55.3	61.6	63.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.4	62.8	59.5	57.3	54.4	53.5	57	59	64.9	N/A	N/A

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Elcon worked between 10:00pm and 3:00am pulling wires under the Montlake lid. Graham worked between 10:00pm and 4:39am setting forms on pier 2.

**Public Comments:**

At 1:47 a.m. on 05/17/22 a resident texted Amanda's phone number complaining about hearing construction noise and yelling from the project area. "FYI only. 1:44 Noisy enough to wake me up; and I am not lite sleeper grinding equipment 1/2 hour ago and hampering now and also a lot of voices little bit of yelling?"

**Exceedances:**

Sites 4 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, May 16, 2022 to Sunday, May 22, 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, May 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	57.1	56.5	51.2	48.4	52.0	50.0	53.6	57.5	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	58.9	57.5	53.6	56.0	55.1	54.5	59.1	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	49.9	45.7	43.9	47.4	44.7	44.8	50.6	52.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.1	62.9	64.6	57.6	58.2	60.6	63.6	68.8	70.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.3	57.4	56.7	51.2	55.9	55.5	53.6	58.9	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.7	51.7	50.4	49.1	52.1	50.7	54.4	58.1	58.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.8	52.6	50.8	47.8	50.9	50.0	52.5	56.3	58.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	54.1	52.2	48.8	53.5	49.5	51.4	48.5	57.4	60.7	N/A
Site 9 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.0	63.2	57.0	55.4	55.3	56.6	62.5	66.2	67.7	N/A	N/A

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Elcon worked between 10:00pm and 3:00am pulling wires under the Montlake lid. Graham worked between 10:00pm and 4:50am setting forms on 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.

Data for site 9 does not exist from 11:15am on 5/17/2022 to 10:04am on 5/19/2022. There is no data for this time frame. The cause of this error was a issue with the site that has been resolved.

**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 16, 2022 to Sunday, May 22, 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, May 18, 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	55.2	52.4	50	49.1	54.4	51	52	57.4	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	57.9	54.8	53.6	58	56	55.4	59.6	62	N/A	N/A
Site 3A - Canterbury Shores	62	51.1	49.1	43.7	44.5	52.1	44.4	44	52.2	56.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	63	60.1	57.4	61.8	59.7	63.4	68.6	69.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	56.4	52.9	52.1	60.4	55.3	53.9	57.9	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.8	53.9	49.3	47.6	52.9	48.9	53.5	55.6	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	52.5	50.9	48.9	54.4	50.4	54.2	56.7	57.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.2	54.1	50.1	48.8	52.1	50.3	53.3	58.9	59.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	60	57.1	56	60.7	58.2	58.5	65.7	67.2	N/A	N/A

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Elcon worked between 10:00pm and 3:00am pulling wires under the Montlake lid. Graham worked between 10:00pm and 5:40am setting forms on 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

Data for site 9 does not exist from 11:15am on 5/17/2022 to 10:04am on 5/19/2022. There is no data for this time frame. The cause of this error was a issue with the site that has been resolved.

**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 16, 2022 to Sunday, May 22, 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, May 19, 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	56.8	56.1	53.9	50.5	52.4	52.6	57.2	58.6	59.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	59.4	57.7	56.1	56.1	56.9	57.3	60.5	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	50.0	51.2	44.5	45.4	45.7	49.2	54.2	53.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	63.0	61.2	57.7	59.9	58.4	62.8	66.6	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.8	57.8	56.0	54.2	54.7	56.2	56.1	58.9	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.1	55.2	54.4	49.6	50.8	51.1	55.9	58.2	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	54.9	54.3	49.9	52.8	54.2	56.7	58.1	58.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.0	55.7	55.4	51.5	52.6	52.8	55.3	59.1	57.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	59.2	57.4	53.2	55.6	59.3	58.6	61.9	64.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.3	61.8	59.5	55.5	56.5	59.8	62.6	65.6	67.2	N/A	N/A

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Elcon worked between 10:00pm and 3:00am pulling wires under the Montlake lid. Graham worked between 10:00pm and 4:30am setting forms on pier 2. Concrete pour on pier 2 from 5:00am to 7:00am.

**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, May 16, 2022 to Sunday, May 22, 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, May 20, 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	59.5	58.4	55.8	53.5	52.8	49.0	54.6	56.1	56.8	56.5	60.2
Site 2 - 2015 E. Roanoke St	78	71.2	60.1	58.1	55.7	55.6	53.0	53.2	56.8	58.0	59.0	61.2
Site 3A - Canterbury Shores	62	55.3	51.9	50.1	48.2	48.1	44.2	44.3	48.8	50.7	54.8	55.8
Site 4 - 2800 Montlake Blvd E	66	66.9	61.0	52.5	50.8	50.6	48.7	49.0	53.1	54.3	57.4	56.9
Site 5 - 2565 22nd Av E.	65	70.3	58.8	56.4	54.1	54.0	51.5	52.0	55.3	56.5	57.6	59.9
Site 6 - 2160 E. Hamlin St	63	54.6	57.6	55.5	54.0	54.1	51.5	53.5	55.8	55.9	54.9	54.3
Site 7 - 2209 E. Lake Wa Blvd	66	58.0	55.8	53.7	51.8	51.7	47.9	49.0	52.4	53.0	54.5	57.0
Site 8 - Portable Between Sites 4 and 6	63	55.9	58.0	55.8	54.8	54.9	51.1	51.6	54.7	54	55.2	55.2
Site 9 - Portable Between Sites 1 and 7	66	64.9	59.5	56.3	54.7	54.5	51.6	52.3	56.2	56.9	58.9	60.6
Site 10 - Portable Between Sites 1 and 7	66	66.7	65.0	60.9	59.0	58.1	54.1	54.9	60.1	61.4	63.4	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, 5 & 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

~ = 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 16, 2022 to Sunday, May 22, 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, May 21, 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	59.1	58.4	56.9	54.1	53.3	49.3	55.9	54.4	53.1	55.8	58.2
Site 2 - 2015 E. Roanoke St	78	60.6	59.8	59.1	56.3	54.1	52.6	51.7	54.2	55.7	57.5	59.9
Site 3A - Canterbury Shores	62	52.1	52.7	50.7	48.1	47.2	46.5	45.7	44.1	47.0	49.7	51.4
Site 4 - 2800 Montlake Blvd E	66	55.4	53.8	55.0	50.8	50.0	49.4	51.5	49.7	52.2	53.7	57.5
Site 5 - 2565 22nd Av E.	65	59.2	58.0	57.3	54.7	52.4	50.8	50.5	53.8	54.6	56.8	58.8
Site 6 - 2160 E. Hamlin St	63	58.6	56.1	57.1	52.0	52.9	50.7	55.0	54.8	54.8	51.8	52.9
Site 7 - 2209 E. Lake Wa Blvd	66	56.3	55.6	54.5	51.6	50.7	47.4	49.5	49.1	50.8	52.3	54.7
Site 8 - Portable Between Sites 4 and 6	63	57.9	57.2	57.2	53.8	53.0	49.8	51.6	52.3	53.4	53.3	54.7
Site 9 - Portable Between Sites 1 and 7	66	59.0	58.2	57.5	54.5	53.1	49.9	52.0	52.0	54.3	56.6	59.6
Site 10 - Portable Between Sites 1 and 7	66	65.3	64.3	62.2	59.1	58.6	54.0	55.0	58.7	61.2	62.6	64.7

\*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:**

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

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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, May 16, 2022 to Sunday, May 22, 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, May 22, 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	56.4	53.5	51.3	47.4	42.6	44.4	51.4	55.4	58.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	56.4	54.2	52.2	52.4	50.0	55.1	60.3	62.8	N/A	N/A
Site 3A - Canterbury Shores	62	52.7	50.7	48.6	48.9	43.7	40.7	39.6	45.0	52.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.7	59.8	57.5	55.4	56.4	56.2	61.7	66.6	68.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.2	55.1	53.1	50.8	51.5	48.4	53.5	58.6	61.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.7	52.3	51.0	47.7	41.5	48.4	54.0	57.2	54.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	51.9	49.3	45.9	43.8	44.8	55.9	54.8	56.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.6	53.2	53.0	50.0	46.4	47.9	52.6	55.3	56.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.5	56.0	53.5	50.8	51.6	51.0	57.0	63.1	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.7	59.7	56.7	51.5	47.9	47.6	56.8	64.2	66.8	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, & 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

~ = 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 16, 2022 to Sunday, May 22, 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. 05/16/2022	From: Nearby resident To: Project Hotline	At 1:47 a.m. on 05/17/22 a resident texted Amanda's phone number complaining about hearing construction noise and yelling from the project area. "FYI only. 1:44 Noisy enough to wake me up; and I am not lite sleeper grinding equipment 1/2 hour ago and hampering now and also a lot of voices little bit of yelling?"	Bob Derry called resident that morning at 11 a.m. The resident didn't have much to add. The resident said the grinding sounded something like a cement mixer – though they knew it wasn't that. They were mostly concerned about the loud talking. Bob Derry also reminded them to call the project hotline for calls like this instead of Amanda's number. No further follow-up is required.