

## SR 520 Montlake Project

**Noise Monitoring Weekly Report Summary for Monday, March 14, 2022 to Sunday, March 20, 2022**

**PUBLISHED March 23rd, 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: 948**

<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>34</b>

<b>PROJECT TOTALS TO DATE</b>	
<b>Total Nights Worked (under the MPPCNV)</b>	<b>466</b>
<b>Total Project related non-compliance</b>	<b>113</b>
<b>Total noise issue comments to the project</b>	<b>114</b>
<b>Total non-project related exceedances</b>	<b>3523</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, March 14, 2022 to Sunday, March 20, 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, March 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	48.2	46.8	48.2	45.8	46.0	46.0	51.1	53.0	55.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	55.8	55.3	58.5	55.1	54.3	55.9	59.9	63.2	64.7	N/A	N/A
Site 3A - Canterbury Shores	62	44.5	44.8	53.9	47.6	44.7	45.9	51.3	54.1	57.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	60.8	59.5	59.3	56.7	58.7	63.3	67.0	70.4	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	54.7	54.1	59.0	54.6	53.0	54.4	58.4	61.8	63.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.1	51.0	52.3	50.6	50.7	51.1	57.1	59.6	61.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	46.9	48.0	50.1	48.5	46.4	47.5	51.5	54.5	55.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	53.1	52.3	50.1	51.2	53.0	57.9	60.5	62.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	56.5	56.4	57.5	56.2	57.0	59.2	62.5	66.0	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.8	58.5	59.7	58.5	57.7	59	63.5	66.1	69.2	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 4:15am excavating & installing utilities, setting up a drill for piling, and moving temporary aerial spans feeding pier 2 wall pack

**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, March 14, 2022 to Sunday, March 20, 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, March 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	47.2	49.6	47.6	42.9	44.2	47.5	50.4	52.9	~	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.0	56.5	60.7	54.1	53.0	58.5	59.0	62.2	65.1	N/A	N/A
Site 3A - Canterbury Shores	62	48.9	45.6	48.0	42.5	43.0	46.7	48.9	52.0	55.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.6	62.5	62.0	57.6	58.3	63.0	66.0	68.8	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.2	55.2	59.2	52.6	51.2	56.5	57.1	60.5	62.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.6	51.7	51.2	49.3	48.6	50.5	53.2	54.8	58.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.6	46.9	48.3	42.8	43.5	47.3	50.0	53.0	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	52.3	50.7	50.0	48.3	51.4	54.5	57.5	69.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.5	57.6	63.3	54.8	54.3	58.6	59.9	63.3	65.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.8	60.6	59.9	55.1	57.1	60.0	63.8	65.5	68.2	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 4:58am excavating & installing utilities, installing piles at pier 3, and pulling wires

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

**Exceedances:**  
Sites 4, 8, & 10 exceedances are due to public traffic. **(Non work related).**  
From 6am to 7 am, sites 1 & 7 did not report. All other sites report on around 6:30 am instead of 7 am. This lack of data is a result of Sixense having an issue in sending the data.

**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, March 14, 2022 to Sunday, March 20, 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, March 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	47.7	46.9	50.3	45.1	44.4	47.8	52	54.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	56.6	54.4	55	53.9	56.6	55.2	58.6	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	51.6	49.3	47.5	48.4	46.6	45.5	47.2	50.4	52.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.9	62.8	59.9	57.3	58	59.5	62.9	65.8	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.9	55.2	52.9	52.9	52.4	53.4	53.1	56.9	59.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.5	54.4	52.3	52.5	50.9	48.1	49.8	54.2	55.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.6	47.2	45.4	46.7	45.1	43.9	47.2	50.3	53.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.9	55	53.1	53.1	51.6	49.6	52.1	55.9	56.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	58	55.6	54.5	55.9	55.4	57.6	60.7	62.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.5	61.3	58.3	60.9	57.3	58.1	59.9	64.2	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 5:00am excavating & installing utilities, installing piles at pier 3, and pulling wires

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

**Exceedances:**  
 Sites 4 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, March 14, 2022 to Sunday, March 20, 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, March 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	51.4	49.4	48.2	46.5	43.4	45.8	48.1	49.8	55.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	59.2	60.3	55.3	54.2	54.8	56.0	59.2	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	51.3	50.5	49.4	46.7	45.1	46.3	47.7	49.8	52.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.9	65.8	64.0	59.9	59.6	59.3	63.3	66.3	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	58.2	58.0	53.5	52.4	53.1	54.4	57.5	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	54.0	52.3	51.6	50.3	51.3	52.4	54.1	57.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.6	51.4	50.3	46.9	44.2	45.4	48.8	50.6	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.3	55.9	54.0	52.6	50.5	51.4	53.6	55.8	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	66.0	65.9	57.2	57.7	56.1	59.5	62.0	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.6	63.8	63.5	58.2	57.5	56.8	60.3	63.8	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 5:00am excavating & installing utilities, installing piles at pier 3, and pulling wires

**Public Comments:**  
At 2:00 AM resident on 2141 E. Hamlin Street called with a comment. The discussion is summarized as follows:  
The resident called around 2 a.m. on March 18 to file a noise complaint. He said the noise sounded like a tractor and wanted to know what was going on. he was informed the noise was most likely coming from work associated with Montlake Boulevard on-ramp to eastbound SR 520 closure. The resident wondered why he wasn't notified, or a hotel offer wasn't available. He was informed the noise was not expected to exceed a certain level and that work would continue for a few more weeks.

**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  
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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, March 14, 2022 to Sunday, March 20, 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, March 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	52.2	50.6	49.0	47.4	44.2	45.5	45.9	48.6	48.9	50.6	53.0
Site 2 - 2015 E. Roanoke St	78	62.5	60.9	59.3	57.4	55.5	56.0	56.3	59.2	59.9	61.3	62.9
Site 3A - Canterbury Shores	62	53.2	54.4	51.8	49.1	47.2	48.3	50.3	54.1	52.5	51.0	53.7
Site 4 - 2800 Montlake Blvd E	66	69.4	66.8	65.3	63.0	62.0	60.4	60.7	64.7	67.7	67.5	68.0
Site 5 - 2565 22nd Av E.	65	61.8	60.4	58.6	56.8	54.1	56.0	56.5	59.5	58.9	59.8	61.5
Site 6 - 2160 E. Hamlin St	63	55.7	55.7	54.3	52.9	52.5	49.5	50.0	52.4	55.0	55.7	57.0
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	51.6	49.4	47.6	46.2	46.5	46.5	48.9	50.2	52.1	53.1
Site 8 - Portable Between Sites 4 and 6	63	58.2	57.2	55.4	55.1	53.0	51.3	51.0	53.1	56.9	58.3	59.2
Site 9 - Portable Between Sites 1 and 7	66	65.5	63.4	61.4	58.7	57.0	57.9	55.8	60.1	62.1	63.5	64.3
Site 10 - Portable Between Sites 1 and 7	66	66.6	64.3	62.3	59.0	56.3	57.5	56.1	60.8	61.6	64.3	66.9

\*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

~ = 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 14, 2022 to Sunday, March 20, 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, March 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	51.1	48.7	45.5	43.3	41.6	41.1	43	46.7	48.9	50.8
Site 2 - 2015 E. Roanoke St	78	63.2	60.8	62.4	59.5	55.9	52.6	52.1	54.8	57.4	59	60.3
Site 3A - Canterbury Shores	62	53.7	50.9	50.1	47.3	44.5	42.0	41.2	43.2	46.7	53.7	51.9
Site 4 - 2800 Montlake Blvd E	66	67.0	64.9	69.1	60.3	61.1	57.9	58.1	61.1	65.3	65.9	66.3
Site 5 - 2565 22nd Av E.	65	61.6	59.2	60.0	58.8	53.7	50.8	50.6	53.6	55.7	57.4	58.7
Site 6 - 2160 E. Hamlin St	63	58.6	56.3	54.8	51.7	51.9	48.8	47.3	48.0	51.5	53.6	56.2
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	50.9	51.6	48.9	46.2	42.8	42.0	44.4	47.8	50.4	51.3
Site 8 - Portable Between Sites 4 and 6	63	60.9	57.9	57.4	53.6	53.5	51.0	49.7	51.1	54.2	57.1	58.8
Site 9 - Portable Between Sites 1 and 7	66	63.4	61.1	66.9	58.4	58.8	52.9	51.8	55.6	58.3	59.7	61.4
Site 10 - Portable Between Sites 1 and 7	66	67.2	63.5	61.4	58.5	55.0	54.7	50.9	55.9	59.0	62.4	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, 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

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**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
**Monday, March 14, 2022 to Sunday, March 20, 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, March 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	49.5	46.1	43.8	44.2	41.3	41.2	47.1	50.6	54.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	56.7	54.6	55.2	51.3	52.5	56.9	60.2	64.1	N/A	N/A
Site 3A - Canterbury Shores	62	49.9	47.0	44.8	44.9	44.6	45.3	47.4	51.6	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	62.7	59.9	58.9	58.4	59.9	64.5	68.2	71.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	55.4	53.4	54.2	49.8	50.7	55.9	58.9	62.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	53.9	50.6	49.9	47.8	47.4	52.3	53.0	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	49.6	48.2	44.5	44.4	42.5	43.9	47.6	51.8	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	56.1	53.2	52.5	50.1	49.7	55.1	55.6	59	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	59.0	55.1	55.7	53.8	54.5	59.3	63.4	67.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.3	58.8	57.2	55.3	53.4	50.6	57.1	64.5	68.1	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 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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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**

Monday, March 14, 2022 to Sunday, March 20, 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>
3/18/2022 @ 2:00am	To: Project Hotline per PBS. From: Resident on 2141 E. Hamlin Street	The resident called around 2 a.m. on March 18 to file a noise complaint. He said the noise sounded like a tractor and wanted to know what was going on. he was informed the noise was most likely coming from work associated with Montlake Boulevard on-ramp to eastbound SR 520 closure. The resident wondered why he wasn't notified, or a hotel offer wasn't available. He was informed the noise was not expected to exceed a certain level and that work would continue for a few more weeks.	All work was covered under TNV #6882384-NV, Bob Derry responded at 1 pm on 3/18/2022 to the resident and informed them of upcoming work on the project. Unknown if resident was offered a hotel room in accordance with the TNV.