



## SR 520 Montlake Project

### Noise Monitoring Weekly Report Summary for **Monday, December 27, 2021** to **Sunday, January 2, 2022**

**PUBLISHED January 5th, 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:** 871

<b>WEEKLY TOTALS</b>	
<b>Nights worked this week (under the MPPCNV)</b>	<b>1</b>
<b>Project related non-compliance this week</b>	<b>0</b>
<b>Nighttime noise issue comments to the project</b>	<b>0</b>
<b>Non-project-related noise exceedances this week</b>	<b>10</b>

<b>PROJECT TOTALS TO DATE</b>	
<b>Total Nights Worked (under the MPPCNV)</b>	<b>407</b>
<b>Total Project related non-compliance</b>	<b>109</b>
<b>Total noise issue comments to the project</b>	<b>109</b>
<b>Total non-project related exceedances</b>	<b>3120</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, December 27, 2021 to Sunday, January 2, 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, December 27, 2021</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	48.0	46.1	45.6	45.8	45.6	44.0	47.4	48.4	52.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	51.4	50.4	48.7	49.8	52.1	48.9	50.1	55.4	56.8	N/A	N/A
Site 3A - Canterbury Shores	62	46.0	43.1	54.8	51.8	55.4	54.1	49.3	48.0	51.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	56.2	55.7	53.0	55.1	53.0	53.2	59.9	63.1	65.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	50.9	49.7	47.6	49.1	51.2	47.5	47.5	53.4	55.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	47.6	45.1	44.5	45.8	41.4	42.3	48.6	43.9	47.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	44.6	43.1	44.0	44.1	44.0	43.3	43.1	45.1	48.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.6	49.4	47.3	48.2	48.4	46.6	44.8	47.4	51.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	53.1	51.8	53.2	53.0	54.0	54.1	54.9	57.8	61.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	53.8	51.3	51.9	48.7	55.6	47.2	53.0	54.5	59.4	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

No 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

~ = 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, December 27, 2021 to Sunday, January 2, 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, December 28, 2021</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	51.6	49.8	49.3	47.7	44.7	45.8	48.2	52.9	54.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.0	52.9	52.6	51.1	49.8	51.0	53.9	55.9	57.8	N/A	N/A
Site 3A - Canterbury Shores	62	52.9	52.6	53.1	54.2	53.6	55.0	56.0	59.9	57.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	60.2	57.6	58.4	55.2	54.4	54.9	59.8	62.6	65.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	54.2	51.0	50.6	49.2	47.9	48.9	51.8	53.5	55.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	45.6	45.1	45.0	43.5	41.1	42.4	45.2	48.9	51.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	46.9	45.3	45.9	43.8	41.1	42.8	44.4	48.5	51.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	49.4	48.3	48.0	46.8	45.6	46.6	47.8	51.7	53.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.7	53.8	56.6	54.2	50.4	54.0	55.7	57.8	59.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	57.9	57.0	54.3	53.0	51.2	51.2	54.0	59.5	61.5	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

No 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

~ = 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, December 27, 2021 to Sunday, January 2, 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, December 29, 2021</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	52.6	46.3	44.4	40.1	47.4	47.7	44.8	45.7	50.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	66.1	66.0	61.6	56.0	53.2	51.9	49.7	53.0	58.6	N/A	N/A
Site 3A - Canterbury Shores	62	49.0	47.0	45.3	45.4	44.9	48.3	46.0	45.5	47.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	61.0	58.0	58.9	61.3	58.8	63.8	58.8	62.9	68.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.2	61.3	56.7	54.5	52.6	50.6	48.7	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.4	48.0	45.5	43.0	47.5	47.4	44.8	46.8	50.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.4	48.5	44.7	50.5	44.8	47.6	42.0	44.3	48.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.5	51.8	47.9	49.5	49.0	50.6	44.9	48.5	52.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.0	60.8	55.5	62.9	54.5	62.3	54.8	57.2	62.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.8	53.1	50.9	45.4	49.0	54.2	54.5	52.4	57.4	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 1:00am for installation soil nails on the South Abutment of the Montlake bridge. Drilling soil nails is covered under TNV# 6874090-NV.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 4 exceedance is not project related. Exceedance is caused by public traffic driving by the noise monitors. Site #5 stopped working at the 5am hour.

**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, December 27, 2021 to Sunday, January 2, 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, December 30, 2021</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	50.7	48.5	47.0	46.3	47.1	46.0	49.6	52.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.8	55.3	53.1	51.2	54.0	52.3	52.2	54.8	56.5	N/A	N/A
Site 3A - Canterbury Shores	62	50.8	45.6	45.3	43.4	42.2	42.1	47.3	49.3	50.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.3	62.7	58.9	57.1	59.4	57.3	56.7	60.4	64.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.3	46.3	46.8	46.2	44.9	42.4	38.8	43.5	47.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.1	47.2	45.0	43.6	44.1	43.4	42.0	45.5	49.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	50.1	49.1	47.6	47.1	45.9	44.7	47.4	50.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.3	60.0	53.9	51.6	54.7	53.6	52.8	55.4	58.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.2	58.0	56.3	53.8	53.4	53.1	53.4	57.3	59.2	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Contractor not on site. No work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

No Exceedances. Site #5 stopped working.

**Non-Compliance:**

None

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, December 27, 2021 to Sunday, January 2, 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, December 31, 2021</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	55.9	56.4	57.8	57.4	53.5	49.4	47.9	46.7	48.9	50.6	51.7
Site 2 - 2015 E. Roanoke St	78	58.8	59.2	59.5	58.1	55.7	52.7	50.9	51.5	53.7	55.0	56.5
Site 3A - Canterbury Shores	62	47.7	50.2	52.1	50.7	46.7	43.4	41.3	42.4	42.3	46.0	47.4
Site 4 - 2800 Montlake Blvd E	66	63.3	68.7	62.8	62.4	60.1	57.7	56.1	59.3	63.4	62.9	62.7
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	~	~
Site 6 - 2160 E. Hamlin St	63	53.7	55.1	55.9	55.8	49.0	45.2	46.6	46.5	48.4	51.0	50.9
Site 7 - 2209 E. Lake Wa Blvd	66	51.9	53.1	53.5	52.8	48.7	45.9	44.3	44.8	45.6	47.7	48.1
Site 8 - Portable Between Sites 4 and 6	63	56.8	60.8	57.7	57.8	52.3	48.1	48.6	48.7	49.9	51.4	53.2
Site 9 - Portable Between Sites 1 and 7	66	58.3	58.9	60.2	58.1	55.2	54.5	51.0	54.7	54.9	56.3	56.5
Site 10 - Portable Between Sites 1 and 7	66	62.9	62.9	63.8	63.4	60.4	55.8	53.4	54.6	56.8	58.0	59.3

\*Hourly-Average Leq (dBA)

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

**Work:**

No work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 4, exceedance is not project related. Exceedance is caused by public traffic driving by the noise monitors. Site # 5 stopped working.

**Non-Compliance:**

None

**Legend**

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N/A = Time Period not applicable to MPPCNV

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, December 27, 2021 to Sunday, January 2, 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, January 1, 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	52.4	51.6	51.7	47.9	47.4	45.5	45.9	48.7	50.6	51.0	53.8
Site 2 - 2015 E. Roanoke St	78	56.4	59.2	54.3	52.2	51.7	48.0	49.6	52.2	55.0	55.4	56.8
Site 3A - Canterbury Shores	62	49.9	51.0	46.7	44.1	42.4	40.0	41.2	45.1	47.5	48.8	49.6
Site 4 - 2800 Montlake Blvd E	66	63.3	61.8	59.7	63.8	57.3	54.0	55.8	59.3	63.5	63.1	63.8
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	~	~
Site 6 - 2160 E. Hamlin St	63	54.2	54.3	52.2	47.5	47.8	44.7	46.4	49.0	52.0	52.6	54.5
Site 7 - 2209 E. Lake Wa Blvd	66	50.0	54.4	51.0	46.4	44.6	41.3	45.4	46.2	48.8	48.9	50.9
Site 8 - Portable Between Sites 4 and 6	63	54.7	56.0	52.5	49.0	49.0	44.0	45.6	51.0	53.3	53.8	55.6
Site 9 - Portable Between Sites 1 and 7	66	58.0	70.7	54.8	59.2	52.0	49.2	50.1	54.1	56.6	56.6	59.6
Site 10 - Portable Between Sites 1 and 7	66	60.6	58.4	57.1	53.1	51.8	53.7	49.9	55.0	56.2	58.9	62.9

\*Hourly-Average Leq (dBA)

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

**Work:**  
No work performed.

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

**Exceedances:**  
Site(s) 9 exceedance is not project related. Exceedance is caused by public traffic driving by the noise monitors. Site # 5 stopped working.

**Non-Compliance:**  
None

**Legend**  
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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, December 27, 2021 to Sunday, January 2, 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, January 2, 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	61.4	59.3	57.5	54.7	56.1	54.7	51.5	56.2	57.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	65.8	64.1	63.1	59.5	60.1	58.2	56.2	59.6	60.8	N/A	N/A
Site 3A - Canterbury Shores	62	59.2	58.3	55.3	51.4	53.5	52.0	48.6	51.0	50.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.2	66.2	63.9	62.0	61.1	59.4	63.5	68.0	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.3	57.3	55.0	51.3	51.8	51.8	52.4	57.6	58.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	60.5	58.1	55.5	52.3	52.5	51.4	49.7	55.5	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	60.6	57.6	55.6	52.5	52.1	52.4	52.1	57.8	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.7	63.0	61.4	60.7	58.6	56.9	58.4	64.4	65.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.5	64.5	63.5	61.9	62.1	60.3	58.8	64.6	66.2	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:**

Sites 4, 9, & 10 exceedances are not project related. Exceedance is caused by public traffic driving by the noise monitors. Site # 5 stopped working.

**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, December 27, 2021 to Sunday, January 2, 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>
		No Public comments.	