

## SR 520 Montlake Project

### Noise Monitoring Weekly Report Summary for **Monday, December 19, 2022** to **Sunday, December 25, 2022**

**PUBLISHED December 28, 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**

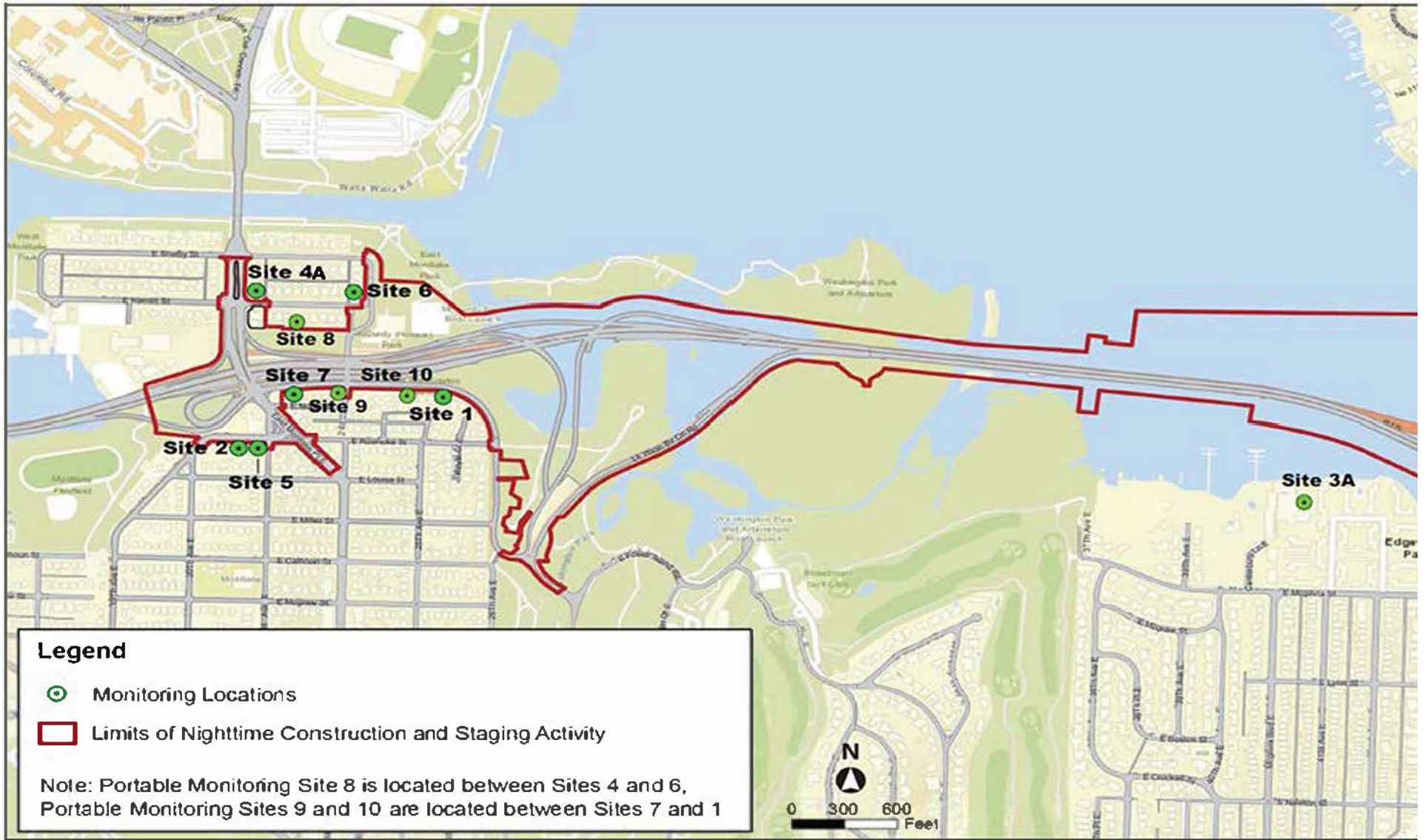
**MPPCNV days to date:** **1228**

<b>WEEKLY TOTALS</b>	
<b>Nights worked this week (under the MPPCNV)</b>	<b>3</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>8</b>

<b>PROJECT TOTALS TO DATE</b>	
<b>Total Nights Worked (under the MPPCNV)</b>	<b>647</b>
<b>Total Project related non-compliance</b>	<b>118</b>
<b>Total noise issue comments to the project</b>	<b>127</b>
<b>Total non-project related exceedances</b>	<b>4033</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 19, 2022 to Sunday, December 25, 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 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	56.3	53.8	51.6	52.4	51.4	51.8	51.0	57.1	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	57.7	56.4	54.6	55.7	55.4	56.8	59.8	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	48.8	47.2	47.3	49.0	47.1	45.9	45.5	50.2	52.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.9	57.0	54.3	54.1	51.6	53.7	55.7	60.1	62.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	56.6	55.3	53.4	53.4	54.2	55.6	58.5	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.2	53.4	50.0	49.1	47.9	50.2	51.9	56.4	58.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	53.6	51.0	50.5	48.6	51.3	52.4	56.7	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.8	55.6	51.9	50.5	49.4	52.3	52.9	57.1	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.9	60.1	57.9	58.9	55.0	58.6	60.2	63.7	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.5	61.3	58.6	58.3	56.5	57.4	56.4	65	66.9	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Graham worked on Pier 2 between 10:00pm and 2:30am working on Pier 2 East.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Sites 9 & 10 exceedances 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, December 19, 2022 to Sunday, December 25, 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 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	56.5	53.5	50.3	47.6	49.6	47.9	49.1	54.2	57.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.8	56.1	56.0	53.1	52.1	52.0	54.9	58.4	59.8	N/A	N/A
Site 3A - Canterbury Shores	62	50.2	49.6	48.1	47.5	48.1	48.2	50.7	51.9	55.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.6	53.0	58.3	49.3	47.4	49.1	52.2	56.3	58.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.6	54.0	53.1	51.3	50.2	50.1	52.7	56.1	57.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.0	47.3	43.4	41.2	43.0	43.0	46.8	49.9	51.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.0	50.4	48.2	47.0	44.4	46.0	49.5	52.0	55.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.3	51.0	51.8	47.0	45.4	46.7	47.3	50.7	52.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.2	57.4	55.0	53.0	51.0	53.1	58.6	60.3	61.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.9	59.6	56.2	52.2	53.7	54.6	55.5	61.8	64.8	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Graham worked on drainage installation between 10:00pm and 1:00am working on the laydown yard.

**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 19, 2022 to Sunday, December 25, 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 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	56.9	54	52.3	49.1	49.4	50	52.6	55.4	57	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	57.3	55.6	52.6	51.9	52.7	53.8	56.8	59	N/A	N/A
Site 3A - Canterbury Shores	62	52.9	51.1	50.1	51.2	51.7	54.1	54.2	56	55.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.3	54.3	54.1	51.1	50.2	49.8	52.9	58.4	59.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	55.3	53.6	50.9	50.3	51.3	52.4	55.3	58	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51	47.5	47.8	45.8	45.3	46.6	48.4	54.5	56.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	51.4	51.3	47.6	48	48.9	49.4	54.2	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.1	51.7	50.9	48.8	48.3	48.1	48.3	53.1	54.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.3	59.2	58.8	53.5	53.9	55.7	57.5	60.8	62.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Elcon worked between 10:00pm and 3:30am working on lighting on Pier 2 WB, 5 workers on site. Graham worked between 10:00pm and 2:05am installing rebar on Pier 2 West.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

No Exceedances

**Non-Compliance:**

Monitor 10 had it's battery stolen.

**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 19, 2022 to Sunday, December 25, 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 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	55.1	53	50.7	47.8	45.5	45.5	46.8	48.5	49.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.2	56.2	54.9	54.1	50.3	51.2	52.7	54.6	56.6	N/A	N/A
Site 3A - Canterbury Shores	62	47.4	48.6	45	44.1	43.5	44.3	45.9	46.2	47.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	55.2	54.9	53.1	51.6	49.9	50.1	52.2	56.2	57.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.9	55	54.2	53.2	49.1	50.3	50.8	53.1	55.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.8	50.6	49.4	46.8	45.3	46.9	50	49.9	51.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.8	51.3	49	48.8	46.7	49.4	48.5	52.2	53.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.4	53.8	52.2	48.8	45.3	47.3	48.6	52	52.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59	57.7	55.6	57.4	55.6	56.7	58.1	61.2	63.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	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:**

No Exceedances

**Non-Compliance:**

Monitor 10 had it's battery stolen.

**Legend**

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

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**SR 520 Montlake Project**  
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**NOISE MONITORING - WEEKLY REPORT**  
Monday, December 19, 2022 to Sunday, December 25, 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 23, 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	55.9	52.6	52.8	49.4	48.8	49.0	50.2	54.6	56.6	58.0	60.5
Site 2 - 2015 E. Roanoke St	78	59.1	56.4	56.5	54.1	53.0	51.7	55.1	61.1	61.6	62.6	63.6
Site 3A - Canterbury Shores	62	47.3	47.3	46.9	45.5	45.5	44.5	48.8	52.3	52.8	55.5	56.6
Site 4A - 2110 E. Hamlin St	66	57.4	55.9	55.0	52.6	52.2	51.4	53.4	60.5	59.8	60.6	62.0
Site 5 - 2565 22nd Av E.	65	57.8	55.5	55.6	53.5	52.5	51.7	55.0	60.0	60.8	62.0	62.7
Site 6 - 2160 E. Hamlin St	63	56.0	52.4	49.9	48.9	49.0	48.6	53.3	52.8	55.3	57.2	60.2
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	51.9	51.6	48.7	48.6	47.2	48.8	66.8	55.3	57.1	59.4
Site 8 - Portable Between Sites 4 and 6	63	57.5	55.1	55.1	52.1	51.3	49.8	49.1	56.3	55.3	56.7	58.5
Site 9 - Portable Between Sites 1 and 7	66	61.4	58.6	58.8	55.3	55.3	54.1	56.6	70.2	64.2	65.3	67.1
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~

\*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 7 & 9 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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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
**Monday, December 19, 2022 to Sunday, December 25, 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, December 24, 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	54.8	52.6	51.4	49.8	49	48.8	51.1	53.2	53.3	56.3
Site 2 - 2015 E. Roanoke St	78	59.7	58.1	56.9	55	52.2	50.8	49.8	52.7	57.8	57.5	59.2
Site 3A - Canterbury Shores	62	52.8	48.5	45.5	44.7	42.9	41.4	41.3	44.6	48.2	47.4	49.4
Site 4A - 2110 E. Hamlin St	66	61.2	58.8	55.1	53.5	51.4	50.3	49.1	52.8	57.8	56.1	58.4
Site 5 - 2565 22nd Av E.	65	58.6	57.1	55.8	53.7	51.1	49.4	49.0	51.7	56.6	55.9	57.5
Site 6 - 2160 E. Hamlin St	63	55.8	51.9	50.2	48.4	46.4	47.0	50.5	51.8	52.2	55.5	57.2
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	54.3	51.8	49.6	47.4	46.2	45.2	48.9	52.6	52.4	55.6
Site 8 - Portable Between Sites 4 and 6	63	56.6	53.8	51.9	50.6	48.5	48.7	50.7	53.7	54.4	57.5	58.6
Site 9 - Portable Between Sites 1 and 7	66	63.1	61.3	59.0	57.0	54.7	54.0	51.5	56.2	61.5	59.4	61.2
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~

\*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.

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Red = Noise Level Exceedance, project related

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**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, December 19, 2022 to Sunday, December 25, 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, December 25, 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	60.6	60.1	58.3	57.8	56.7	55.1	54.2	54.7	55.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	70.0	63.5	60.8	59.5	56.7	56.1	54.3	55.7	58.2	N/A	N/A
Site 3A - Canterbury Shores	62	57.3	58.7	56.0	55.9	52.9	48.9	47.2	47.6	50.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	61.4	60.6	58.4	56.6	54.7	53.4	53.9	56.6	59.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	70.3	67.3	62.9	61.5	57.0	55.6	54.1	55.2	57.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.2	56.4	54.2	53.5	51.6	49.1	51.5	53.1	54.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	60.3	57.5	54.5	52.6	50.0	50.3	49.7	53.7	54.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.0	58.2	55.1	53.9	51.9	48.9	53.5	54.7	55.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	66.8	64.1	62.7	58.6	55.4	58.8	56.9	60.2	63.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	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 5 & 9 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.  
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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, December 19, 2022 to Sunday, December 25, 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>