



## SR 520 Montlake Project

### Noise Monitoring Weekly Report Summary for **Monday, December 20, 2021** to **Sunday, December 26, 2021**

**PUBLISHED December 29, 2021**

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**

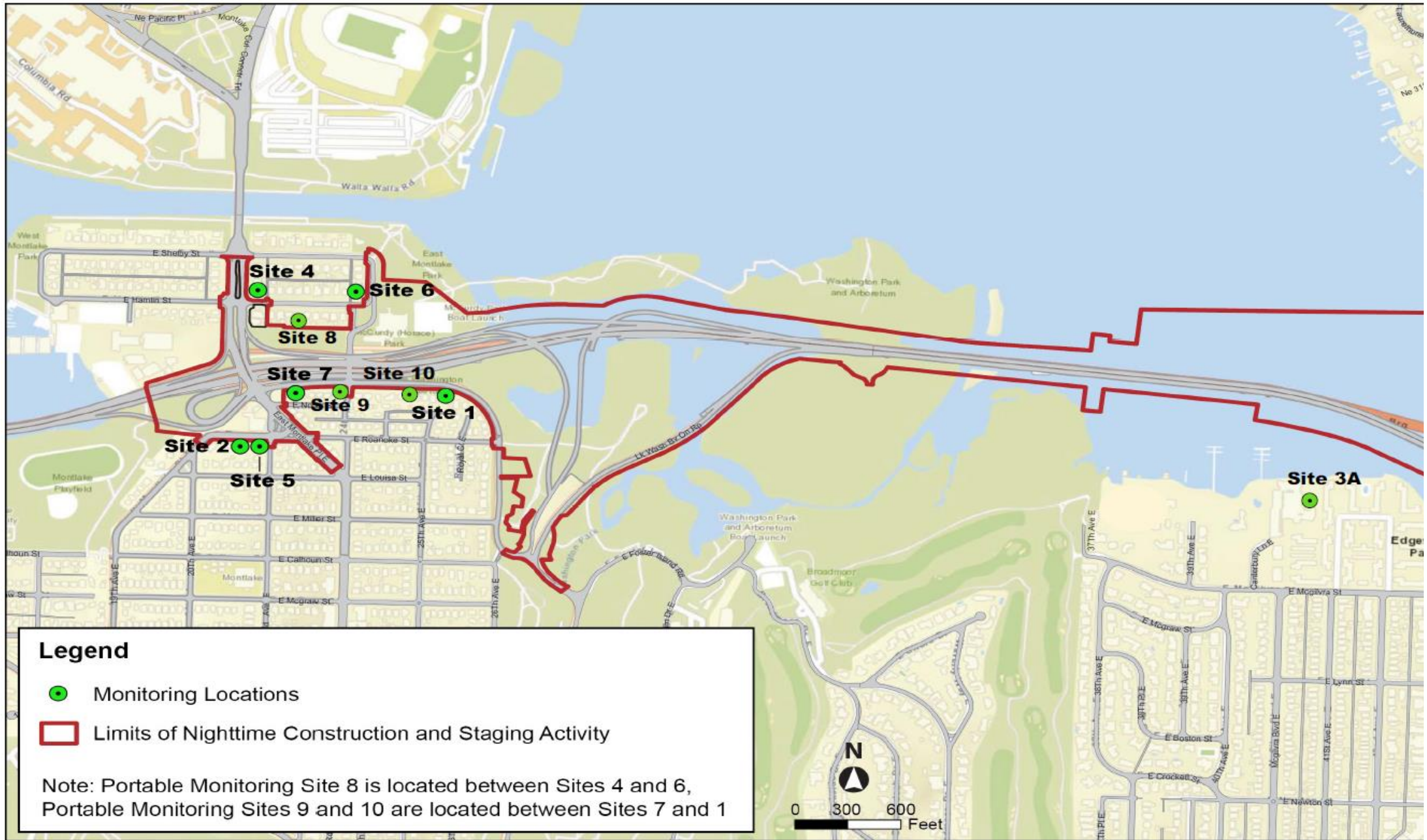
**MPPCNV days to date: 864**

<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>19</b>

<b>PROJECT TOTALS TO DATE</b>	
<b>Total Nights Worked (under the MPPCNV)</b>	<b>406</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>3110</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 20, 2021 to Sunday, December 26, 2021 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 20, 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	57.8	54.3	52.3	52.5	49.4	50.2	53.1	57.6	60.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	57.3	55.5	55.0	53.0	52.9	55.8	59.8	62.4	N/A	N/A
Site 3A - Canterbury Shores	62	53.0	51.1	49.1	49.9	49.7	46.0	49.3	53.3	54.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	63.0	60.2	58.5	56.3	57.6	62.4	66.2	68.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	56.0	54.1	54.4	51.1	51.0	54.1	57.7	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.3	50.4	47.7	43.9	42.1	44.0	47.9	50.3	52.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	51.3	49.4	47.6	45.1	46.5	49.9	53.9	56.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.7	54.0	51.6	48.3	46.9	48.3	51.7	54.2	55.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.8	58.3	56.5	55.5	52.2	54.0	57.6	61.1	63.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.9	60.5	58.8	59.0	55.6	57.1	60.2	64.8	67.0	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 4:00am for installation of underlid lighting.

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

**Exceedances:** Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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 20, 2021 to Sunday, December 26, 2021 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 21, 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	58.0	56.5	52.8	49.0	50.7	52.6	56.5	57.3	57.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	60.3	56.0	54.5	52.6	55.4	59.9	61.4	61.6	N/A	N/A
Site 3A - Canterbury Shores	62	52.3	53.6	47.8	48.1	49.4	53.2	55.1	53.7	52.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.0	65.3	62.0	59.3	58.1	59.6	65.5	68.6	69.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.9	60.3	54.7	53.6	51.5	55.5	60.0	60.1	60.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	55.4	52.6	50.2	51.3	50.7	53.5	57.2	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.2	54.8	51.9	48.0	47.9	51.2	54.6	56.4	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	57.4	52.9	50.8	52.0	51.1	54.8	57.8	59.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.8	62.6	59.2	55.8	54.9	58.6	62.2	65.0	66.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67.1	63.4	59.8	55.8	53.5	59.2	62.8	65.3	67.1	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 4:00am for installation of underlid lighting.

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

**Exceedances:**  
Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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 20, 2021 to Sunday, December 26, 2021 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 22, 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	56.9	56.5	55.1	52.8	49.8	50.0	52.2	54.9	57.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	61.1	59.5	57.4	53.5	53.8	56.4	59.1	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	51.7	52.8	53.7	51.3	46.9	48.4	51.1	53.3	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.3	66.4	64.4	62.0	58.6	59.9	62.6	66.5	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.5	60.5	59.5	56.7	52.0	52.3	54.9	57.5	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.0	53.7	53.0	50.4	49.7	49.2	52.1	56.4	57.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	55.8	53.2	51.3	47.6	50.7	50.7	54.3	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.9	56.5	54.3	51.8	50.9	50.7	53.3	58.2	57.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.1	68.3	61.7	59.9	56.1	59.1	59.2	62.7	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.9	63.4	61.6	60.6	56.1	56.3	59.2	63.0	67.2	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 4:00am for installation of underlid lighting and conduit.

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

**Exceedances:**  
Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**Non-Compliance:**  
None

**Legend**

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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, December 20, 2021 to Sunday, December 26, 2021 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 23, 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	54.9	53.8	50.7	50.0	52.5	51.3	46.6	49.9	53.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	57.5	55.0	53.6	58.2	54.9	51.5	54.4	58.0	N/A	N/A
Site 3A - Canterbury Shores	62	51.7	50.4	50.3	48.6	52.6	51.7	49.5	49.6	48.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.9	63.9	63.1	59.4	61.4	59.5	58.8	62.8	67.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.2	56.6	53.9	53.1	57.8	54.1	49.9	53.3	56.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.4	55.5	53.3	52.1	51.3	52.1	49.6	52.0	54.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	52.6	49.7	49.6	53.6	50.4	46.8	49.6	53.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.2	56.5	54.0	52.7	55.0	53.0	50.0	53.1	56.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	59.8	56.0	55.5	67.5	57.4	55.1	58.0	61.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.4	61.8	58.3	55.2	56.2	56.4	53.5	57.4	60.4	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:**  
Site(s) 4, and 9 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**Non-Compliance:**  
None

**Legend**

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, December 20, 2021 to Sunday, December 26, 2021 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 24, 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	56.1	54.4	53.4	47.0	46.9	45.4	44.6	46.7	49.9	52.1	54.6
Site 2 - 2015 E. Roanoke St	78	60.8	59.6	58.9	54.9	52.1	53.3	50.7	52.2	56.0	56.8	58.9
Site 3A - Canterbury Shores	62	53.9	53.3	53.1	46.1	47.3	47.7	47.0	49.3	49.3	51.4	52.6
Site 4 - 2800 Montlake Blvd E	66	67.4	65.4	63.5	59.6	58.1	57.7	57.1	60.0	65.2	63.9	64.6
Site 5 - 2565 22nd Av E.	65	59.5	58.7	58.5	53.6	51.0	52.1	49.2	51.4	54.8	55.7	58.1
Site 6 - 2160 E. Hamlin St	63	57.5	55.6	52.2	49.1	47.7	46.9	46.6	49.3	52.8	54.1	56.1
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	54.4	53.0	47.6	46.3	47.2	46.3	46.8	50.0	51.3	53.8
Site 8 - Portable Between Sites 4 and 6	63	57.7	56.3	53.1	49.9	48.8	48.0	48.3	50.8	54	55.3	57.7
Site 9 - Portable Between Sites 1 and 7	66	64.7	63.0	61.7	56.4	54.5	56.4	55.5	55.2	59.1	59.5	61.3
Site 10 - Portable Between Sites 1 and 7	66	64.9	62.1	60.3	53.6	52.5	51.2	51.6	52.2	56.8	57.7	61.1

\*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, exceedance are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**Non-Compliance:**

None

**Legend**

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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 20, 2021 to Sunday, December 26, 2021 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 25, 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	54.0	52.2	47.8	47.8	43.4	44.5	42.6	49.4	47.6	42.2	45.0
Site 2 - 2015 E. Roanoke St	78	58.6	56.3	52.8	54.0	50.5	48.9	51.5	53.0	68.4	52.0	50.1
Site 3A - Canterbury Shores	62	49.8	47.2	43.6	45.6	44.0	43.3	45.1	46.8	52.9	50.4	53.6
Site 4 - 2800 Montlake Blvd E	66	64.8	62.5	59.1	58.4	55.3	55.5	55.5	59.3	65.9	56.8	57.0
Site 5 - 2565 22nd Av E.	65	57.5	55.0	51.3	52.8	49.1	47.8	51.0	52.6	66.5	50.7	48.8
Site 6 - 2160 E. Hamlin St	63	54.8	52.8	49.4	48.6	46.5	45.2	43.9	49.0	47.6	41.5	43.1
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	51.2	47.1	49.5	44.0	43.9	42.8	47.9	49.4	42.5	43.2
Site 8 - Portable Between Sites 4 and 6	63	56.6	54.4	50.4	50.2	48.1	47.8	46.3	52.1	51.4	45.0	45.6
Site 9 - Portable Between Sites 1 and 7	66	61.7	58.3	53.8	56.6	51.5	51.2	49.8	54.7	59.0	59.1	52.6
Site 10 - Portable Between Sites 1 and 7	66	62.4	60.5	55.9	56.3	48.5	51.4	50.3	54.1	50.9	48.0	52.5

\*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) 5 exceedance are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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 20, 2021 to Sunday, December 26, 2021 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 26, 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	44.8	48.3	44.2	45.8	47.5	42.1	42.1	45.8	49.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	47.9	53.4	51.4	52.5	50.0	49.8	49.0	51.2	53.9	N/A	N/A
Site 3A - Canterbury Shores	62	56.0	58.0	56.7	58.1	60.4	56.3	54.8	53.8	58.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	54.8	52.1	53.4	63.0	53.0	57.0	55.5	60.4	63.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	50.0	51.3	47.9	47.0	49.1	51.4	45.8	51.8	49.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	38.9	39.6	39.7	38.0	38.1	40.5	43.9	42.7	41.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	42.3	44.2	43.4	41.7	40.1	41.2	39.5	41.8	45.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	44.0	43.0	43.8	44.5	43.3	42.8	43.0	44.6	47	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	47.6	55.8	52.8	55.6	47.6	51.3	50.5	53.2	54.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	51.1	61.5	54.8	53.8	57.6	50.3	47.3	55.1	58.9	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:**

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 20, 2021 to Sunday, December 26, 2021

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

<b>Public Comment Log</b>			
Date / Time	To/From	Issue	Resolution
		No Public comments.	