

## SR 520 Montlake Project

**Noise Monitoring Weekly Report Summary for Monday, January 17, 2022 to Sunday, January 23, 2022**

**PUBLISHED January 26th, 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: 892**

<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>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>419</b>
<b>Total Project related non-compliance</b>	<b>110</b>
<b>Total noise issue comments to the project</b>	<b>111</b>
<b>Total non-project related exceedances</b>	<b>3200</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, January 17, 2022 to Sunday, January 23, 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, January 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	52.7	49.9	47.8	44.5	49.8	46.1	48.5	53.9	56.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.4	54.7	52.4	49.3	51.6	51.1	54.7	58.8	61.6	N/A	N/A
Site 3A - Canterbury Shores	62	47.0	44.6	44.6	41.9	43.5	42.5	45.1	49.2	52.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.5	61.2	58.6	55.5	56.8	57.6	62.3	66.7	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.1	53.5	51.1	48.2	50.3	49.7	53.1	56.9	59.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.1	51.4	52.4	46.9	49.6	46.2	49.3	53.4	56.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.0	53.1	50.9	47.0	50.6	47.3	50.9	54.5	57.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.5	56.2	53.6	50.5	53.0	55.1	56.6	61.5	64.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.9	56.6	52.7	51.8	54.8	53.4	54.8	63	65.3	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:** Site 4. Exceedance is due to public traffic. **(Non work related).**

**Non-Compliance:**

None.

Site 7 was unavailble from 1-12-22 at 6:00 PM till 1-18-22 at 11:20 AM due to a power outage for the site.

**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, January 17, 2022 to Sunday, January 23, 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, January 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	53.6	52.6	50.7	49.8	51.0	50.8	51.3	56.3	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	59.5	60.0	57.6	57.0	53.5	54.6	58.4	64.2	N/A	N/A
Site 3A - Canterbury Shores	62	47.1	45.0	43.6	42.1	41.8	43.9	43.3	49.1	52.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	61.7	61.3	57.2	58.0	58.3	62.5	66.4	68.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	57.9	56.9	53.9	54.3	51.5	52.8	56.3	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.6	51.1	51.0	49.8	50.1	50.0	48.4	52.2	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	50.9	51.8	48.4	49.1	48.6	49.2	54.1	57.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	63.2	55.8	54.1	51.5	51.5	51.0	51.3	54.5	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	59.5	59.3	56.6	57.8	56.5	57.8	61.4	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.8	61.8	55.4	55.3	59.2	57.8	58.0	64.2	66.6	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 3:30am on installation of Hangar assemblies and conduit under the Montlake lid. In addition, Penhall worked on the removal of debris from the North Abutment demolition.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Sites 4, 8 & 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, January 17, 2022 to Sunday, January 23, 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

**Wednesday, January 19, 2022**

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	52.5	49.0	47.9	49.0	50.5	51.8	55.2	58.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.8	55.4	53.5	50.5	52.0	52.5	56.4	59.0	63.8	N/A	N/A
Site 3A - Canterbury Shores	62	48.0	46.5	44.1	42.4	43.4	43.7	46.6	49.2	53.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.0	68.6	60.6	56.3	56.8	58.8	63.4	67.6	71.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.7	54.0	53.0	49.4	50.7	51.5	55.2	57.5	62.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.5	52.6	50.3	48.5	48.8	49.1	53.0	56.6	60.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.7	51.2	47.8	46.2	46.3	49.8	50.9	54.8	58.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.3	53.3	50.3	48.5	49.5	50.4	54.5	57.4	60.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.2	58.8	56.2	53.1	53.8	58.9	59.0	63.9	67.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.2	60.0	54.8	53.3	54.8	58.8	57.5	63.8	66.6	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 installing underlid lighting under the Montlake bridge lid.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 4,9,&10 exceedances is (**not work related**). Exceedance is 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, January 17, 2022 to Sunday, January 23, 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, January 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	60.3	55.5	52.9	51.3	53.2	52.0	54.4	55.7	59.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	58.0	57.0	53.7	55.1	54.2	55.4	59.1	68.1	N/A	N/A
Site 3A - Canterbury Shores	62	54.2	50.1	48.2	43.1	45.5	44.7	45.9	51.0	52.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	62.7	61.0	57.1	57.3	58.1	62.5	66.3	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.2	56.3	55.5	51.9	53.8	53.2	53.6	56.8	69.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.1	54.2	52.0	49.1	52.5	50.6	50.7	51.3	54.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.4	53.4	50.5	48.0	52.2	48.3	49.8	53.3	57.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	60.3	56.6	55.6	50.9	53.3	51.1	52.6	54.3	56.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.1	59.2	57.9	54.1	56.1	55.5	57.1	61.3	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.7	61.3	58.2	56.5	58.0	58.0	59.0	64.1	66.6	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**  
 Design-Builder worked between 10:00 p.m. and 5:00 a.m. on installation of hanger assemblies and conduit under the Montlake lid.

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

**Exceedances:**  
 Site(s) 4,5,&10 exceedances is (not work related). Exceedance is 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.  
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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, January 17, 2022 to Sunday, January 23, 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, January 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	60.2	56.4	55.4	51.0	49.8	47.7	46.5	51.3	54.2	55.7	58.5
Site 2 - 2015 E. Roanoke St	78	62.6	60.2	58.7	54.4	53.5	53.5	51.9	55.7	58.5	59.5	61.2
Site 3A - Canterbury Shores	62	54.0	50.7	48.9	47.1	46.7	45.2	44.0	48.5	49.6	50.9	52.9
Site 4 - 2800 Montlake Blvd E	66	62.4	56.5	55.5	49.2	50.2	46.3	46.7	50.9	57.0	54.5	56.4
Site 5 - 2565 22nd Av E.	65	61.0	59.0	57.1	52.5	52.0	53.2	50.3	54.0	56.8	58.1	59.7
Site 6 - 2160 E. Hamlin St	63	59.6	58.9	57.3	48.1	46.7	44.4	44.5	46.3	51.1	52.5	52.8
Site 7 - 2209 E. Lake Wa Blvd	66	57.6	54.8	53.8	49.1	48.1	45.6	44.5	48.8	52.0	53.8	55.8
Site 8 - Portable Between Sites 4 and 6	63	61.2	59.1	57.4	51.7	50.2	47.5	46.4	49.7	54.6	54.7	54.7
Site 9 - Portable Between Sites 1 and 7	66	61.9	60.0	58.0	52.3	52.8	49.8	50.2	53.2	57.7	58.1	61.0
Site 10 - Portable Between Sites 1 and 7	66	66.1	62.8	60.5	55.6	55.4	53.0	52.5	57.0	60.5	62.6	65.8

\*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) 10 exceedances are not project related. Exceedances is caused by public traffic driving by the noise monitors(**non work related**).

**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, January 17, 2022 to Sunday, January 23, 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 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	56.8	55.6	52.6	50.4	46.8	45.1	46.8	49.7	51.6	54.1	56.6
Site 2 - 2015 E. Roanoke St	78	59.7	58.3	55.6	53.9	52.5	52.1	50.8	53.3	56.4	57.4	68.5
Site 3A - Canterbury Shores	62	51.3	50.8	48.3	46.3	45.0	41.9	42.7	42.8	46.9	48.5	50.9
Site 4 - 2800 Montlake Blvd E	66	55.2	52.9	58.4	48.9	48.4	46.3	48.1	51.7	52.2	52.5	63.8
Site 5 - 2565 22nd Av E.	65	58.3	56.6	53.9	52.1	50.3	49.9	49.7	52.2	55.1	55.9	67.8
Site 6 - 2160 E. Hamlin St	63	51.9	52.7	51.4	49.0	49.8	44.4	47.5	46.8	50.2	51.3	52.1
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	53.7	51.0	48.4	46.4	44.4	46.0	46.8	49.7	51.5	56.4
Site 8 - Portable Between Sites 4 and 6	63	55.0	55.1	52.9	50.7	50.9	47.5	49.0	47.7	51.3	52.9	54.4
Site 9 - Portable Between Sites 1 and 7	66	58.7	57.0	54.7	52.4	49.8	48.6	49.7	51.0	53.9	55.4	61.4
Site 10 - Portable Between Sites 1 and 7	66	62.9	61.4	58.2	56.5	50.3	52.2	51.1	58.8	58.1	60.2	63.7

\*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) 5 exceedance is not project related. Exceedances is caused by public traffic driving by the noise monitors (non work related).

**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, January 17, 2022 to Sunday, January 23, 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 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	52.3	49.2	46.5	42.4	48.4	44.3	47.1	55.4	58.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.3	54.4	52.3	51.1	50.7	50.0	53.7	58.3	61.9	N/A	N/A
Site 3A - Canterbury Shores	62	47.3	44.8	42.5	38.9	41.9	41.0	43.1	49.5	52.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	54.2	50.5	51.5	45.8	55.1	54.1	60.5	66.1	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	54.8	52.9	50.9	50.3	49.6	48.7	51.8	56.2	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.3	49.7	47.1	42.6	47.9	44.8	45.5	51.2	51.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.6	47.7	44.8	41.6	45.4	43.2	46.5	53.3	55.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.1	51.8	49.3	45.3	50.1	47.5	48.1	54.2	54.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	55.3	52.0	49.6	46.0	50.9	49.3	54.8	60.6	63.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.3	55.0	52.5	47.1	52.9	49.4	54.2	63.6	65.5	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 exceedances are not project related. Exceedance is caused by 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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# = 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, January 17, 2022 to Sunday, January 23, 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>