

## SR 520 Montlake Project

### Noise Monitoring Weekly Report Summary for **Monday, September 6, 2021** to **Sunday, September 12, 2021**

**PUBLISHED SEPTEMBER 15, 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:** 759

#### WEEKLY TOTALS

<b>Nights worked this week (under the MPPCNV)</b>	<b>3</b>
<b>Project related non-compliance this week</b>	<b>1</b>
<b>Nighttime noise issue comments to the project</b>	<b>0</b>
<b>Non-project-related noise exceedances this week</b>	<b>18</b>

#### PROJECT TOTALS TO DATE

<b>Total Nights Worked (under the MPPCNV)</b>	<b>353</b>
<b>Total Project related non-compliance</b>	<b>102</b>
<b>Total noise issue comments to the project</b>	<b>71</b>
<b>Total non-project related exceedances</b>	<b>2872</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, September 6, 2021 to Sunday, September 12, 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, September 6, 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	53.8	53.5	50.7	48.1	46.1	46.6	51.1	58.3	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.3	56.4	54.3	52.1	50.7	51.1	55.5	59.7	62.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.1	48.3	45.9	43.8	42.6	43.4	46.9	52.7	54.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	61.8	60.6	57.7	54.4	53.5	54.4	60.1	64.7	66.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.5	54.8	52.6	50.2	49.2	49.6	53.7	57.6	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	48.2	50.5	49.4	48.5	46.9	47.8	51.2	54.1	55.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.5	50.5	47.3	46.0	44.3	44.8	49.2	54.6	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.0	52.2	50.7	49.7	48.0	48.0	51.8	57.4	55.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.1	58.9	55.0	53.0	51.5	52.0	56.2	63.0	64.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.5	59.5	55.5	53.1	50.6	50.6	55.0	63.8	66.0	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 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, September 6, 2021 to Sunday, September 12, 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, September 7, 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	51.4	49.0	55.7	47.1	47.2	50.7	55.3	58.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.6	56.6	52.2	53.1	49.6	49.6	55.2	60.0	62.8	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.6	47.8	46.5	51.9	52.2	54.1	52.4	51.9	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.6	60.5	56.3	61.5	54.2	55.1	60.9	67.4	67.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.8	54.7	50.5	51.8	48.4	49.3	53.8	57.8	61.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.3	46.2	48.6	45.2	48.3	50.2	51.7	54.5	56.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.0	48.2	46.6	54.7	45.0	46.7	50.1	52.6	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.6	49.2	48.4	47.9	49.2	48.6	51.7	54.7	56.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	56.0	54.8	65.5	51.0	53.1	57.6	61.0	68.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	58.6	57.0	67.6	52.0	54.6	57.3	62.2	68.4	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 7:00am to install conduit under the montlake lid and set up for day work.

**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:**  
- 6:09am Design-Builder sub equipment was observed with a pure tonal backup alarm. Gary Stensland with PBS was notified. Design-Builder will follow up with sub on equipment requirements during the MPPCNV hours.

**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, September 6, 2021 to Sunday, September 12, 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, September 8, 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	54.8	53.4	49.8	48.5	49.3	51.0	52.3	56.9	60.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.0	61.0	54.3	64.6	52.4	54.0	56.1	60.0	66.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.2	50.5	44.5	42.9	43.4	44.4	46.4	51.9	53.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.9	71.1	57.5	55.9	55.6	56.3	61.3	65.9	68.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.4	59.8	52.2	63.9	51.0	52.4	54.4	58.1	65.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.5	51.4	47.6	51.5	45.8	47.5	50.5	56.0	56.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.2	55.4	47.1	48.4	46.7	46.1	49.5	55.2	62.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.5	54.4	48.9	47.6	48.8	48.7	51.6	55.2	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.1	58.4	54.4	52.2	53.6	55.2	57.6	62.5	67.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	59.2	54.8	53.6	54.8	55.5	57.7	63.5	68.8	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 7:00am to install conduit under the montlake lid and set up for day work.

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

**Exceedances:**  
 Site(s) 4, 5, 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, September 6, 2021 to Sunday, September 12, 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, September 9, 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	53.8	51.0	49.1	47.3	47.6	48.5	51.5	54.8	57.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.5	56.5	54.0	53.8	51.9	51.6	55.0	58.5	62.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	46.8	46.0	46.4	52.1	52.3	52.3	52.2	49.5	53.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.6	60.4	57.5	59.8	55.9	56.8	61.4	65.8	68.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.3	54.9	52.2	51.7	50.1	49.4	53.0	56.4	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.5	49.7	46.7	44.6	46.7	44.8	49.3	51.7	55.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.5	48.8	46.3	46.8	45.8	44.8	48.5	52.5	59.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	52.4	49.2	48.0	48.8	47.0	51.6	53.3	56.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	56.6	54.0	54.1	51.1	53.2	55.9	60.7	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.5	58.3	56.0	56.0	52.2	55.2	56.3	61.9	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 7:00am to install conduit under the montlake lid and set up for day work.

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

**Exceedances:**  
 Site(s) 4, 9 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.  
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**SR 520 Montlake Project  
Major Public Project Construction Noise Variance  
NOISE MONITORING - WEEKLY REPORT**

Monday, September 6, 2021 to Sunday, September 12, 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, September 10, 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	56.0	52.8	50.0	48.1	47.1	45.2	47.9	49.0	52.8	54.4	56.5
Site 2 - 2015 E. Roanoke St	78	59.7	58.0	54.6	52.5	51.4	49.1	50.1	53.7	56.6	60.6	59.8
Site 3A - 3810 E. McGilvra St	62	50.3	48.2	45.4	43.9	42.7	43.9	49.9	44.0	47.6	49.9	52.6
Site 4 - 2800 Montlake Blvd E	66	61.6	66.2	52.7	50.7	50.7	47.4	49.5	52.8	54.9	56.4	57.9
Site 5 - 2565 22nd Av E.	65	58.1	56.6	52.7	50.4	49.8	47.1	49.0	52.0	55.1	58.0	58.7
Site 6 - 2160 E. Hamlin St	63	53.7	51.5	49.3	49.4	48.3	47.3	47.6	48.2	51.3	52.6	54.9
Site 7 - 2209 E. Lake Wa Blvd	66	52.0	49.4	47.0	44.7	43.8	40.9	45.9	45.4	50.0	52.2	52.6
Site 8 - Portable Between Sites 4 and 6	63	60.4	52.7	50.6	49.1	48.8	45.9	47.9	51.5	52.9	53.7	55.5
Site 9 - Portable Between Sites 1 and 7	66	60.9	57.6	55.5	52.2	50.9	48.2	53.2	53.0	58.7	59.8	61.8
Site 10 - Portable Between Sites 1 and 7	66	62.6	59.1	55.6	53.1	51.5	49.9	53.0	53.6	58.8	61.2	63.3

\*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 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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**

Monday, September 6, 2021 to Sunday, September 12, 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, September 11, 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	55.8	53.8	51.2	49.2	49.1	46.1	45.1	47.3	51.8	54.5	57.4
Site 2 - 2015 E. Roanoke St	78	61.1	58.9	56.6	54.7	53.1	51.6	51.4	52.8	56.7	58.3	60.2
Site 3A - 3810 E. McGilvra St	62	52.1	50.5	49.4	52.9	52.7	52.4	51.8	42.5	48.4	49.8	52.3
Site 4 - 2800 Montlake Blvd E	66	55.0	53.1	51.3	49.9	48.1	47.2	49.3	47.5	50.8	53.7	55.7
Site 5 - 2565 22nd Av E.	65	59.4	56.8	54.6	52.6	51.0	49.6	49.7	51.1	55.5	56.8	58.5
Site 6 - 2160 E. Hamlin St	63	51.4	47.5	45.0	43.0	44.5	41.0	42.4	39.8	46.1	48.8	51.8
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	49.2	47.0	45.3	45.3	40.8	41.1	42.1	48.2	50.8	53.9
Site 8 - Portable Between Sites 4 and 6	63	53.0	49.3	47.6	46.3	48.4	44.8	44.9	45.0	48.5	50.1	53.8
Site 9 - Portable Between Sites 1 and 7	66	60.2	57.9	55.1	52.8	52.5	48.6	46.9	50.2	56.3	61.3	63.6
Site 10 - Portable Between Sites 1 and 7	66	62.8	60.3	56.7	53.5	52.8	49.9	46.6	53.6	57.2	61.5	64.5

\*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:**

None.

**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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**SR 520 Montlake Project  
Major Public Project Construction Noise Variance  
NOISE MONITORING - WEEKLY REPORT**

Monday, September 6, 2021 to Sunday, September 12, 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, September 12, 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	52.1	49.3	47.2	47.5	46.0	49.2	55.5	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.4	54.6	54.4	50.4	49.6	49.9	53.0	56.9	61.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	53.4	52.5	50.7	53.1	53.3	53.1	52.3	50.4	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	52.0	49.3	49.3	47.9	47.8	48.1	63.5	61.4	66.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.6	52.7	52.8	48.7	47.7	47.7	50.6	54.6	59.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.0	50.8	47.5	44.1	45.1	45.4	47.1	50.5	52.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.0	48.7	46.2	43.1	43.4	42.7	45.7	51.8	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	51.0	48.5	46.7	46.5	45.4	48.7	51.7	53.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.0	56.0	54.1	50.1	50.1	52.7	53.4	60.7	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	58.1	54.4	52.0	51.4	52.8	54.6	62.6	66.3	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 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, September 6, 2021 to Sunday, September 12, 2021

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 noise related complaints.	