

## SR 520 Montlake Project

**Noise Monitoring Weekly Report Summary for Monday, August 23, 2021 to Sunday, August 29, 2021**

**PUBLISHED SEPTEMBER 1, 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: 745**

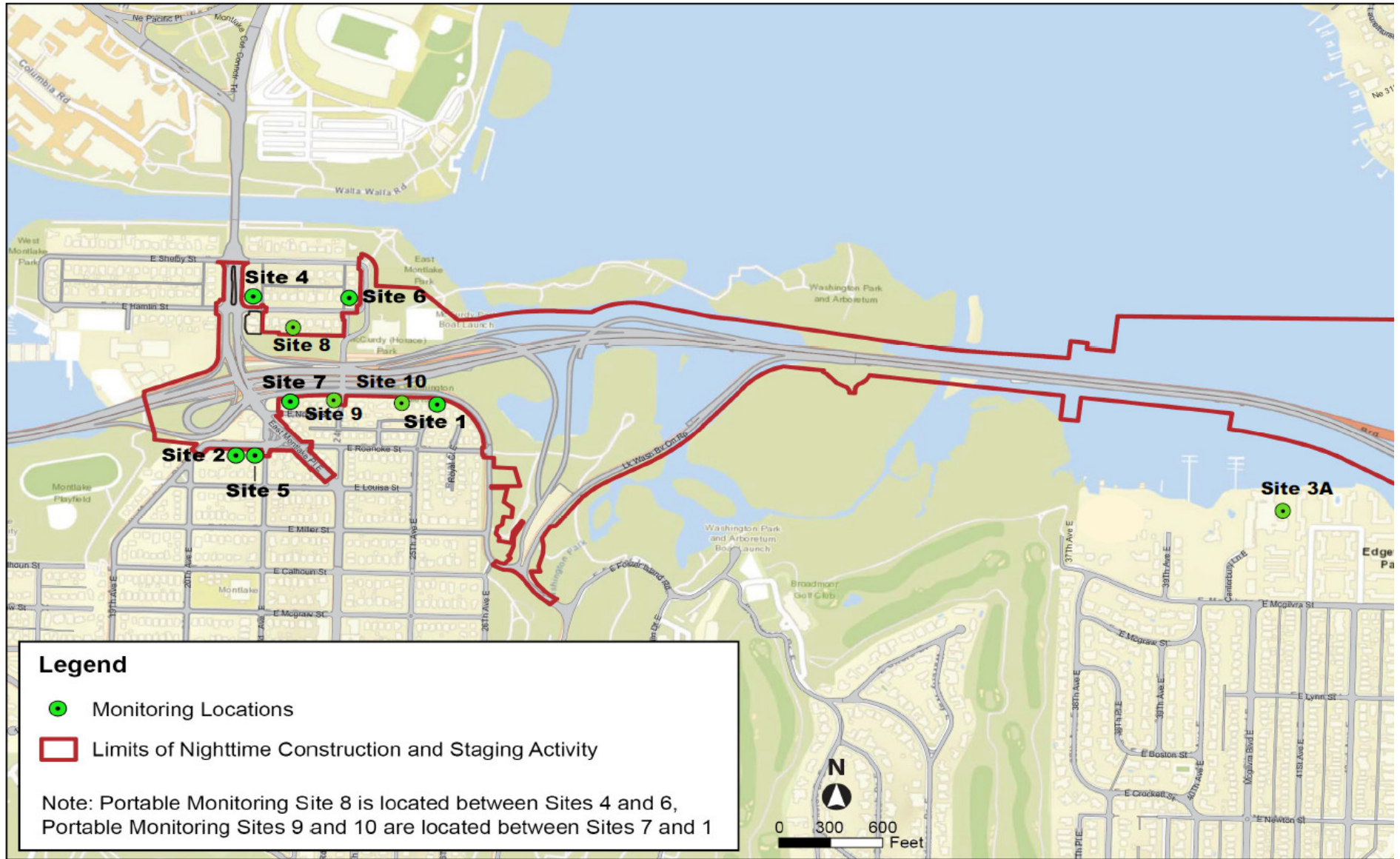
**There were 39 MPPCNV noise exceedance but are not counted under the non-compliance due to the work being performed under TNV #6854045-NV.**

| <b>WEEKLY TOTALS</b>                                   |          |
|--|----------|
| <b>Nights worked this week (under the MPPCNV)</b>      | <b>7</b> |
| <b>Project related non-compliance this week</b>        | <b>4</b> |
| <b>Nighttime noise issue comments to the project</b>   | <b>6</b> |
| <b>Non-project-related noise exceedances this week</b> | <b>4</b> |

| <b>PROJECT TOTALS TO DATE</b>                    |             |
|--|-------------|
| <b>Total Nights Worked (under the MPPCNV)</b>    | <b>346</b>  |
| <b>Total Project related non-compliance</b>      | <b>101</b>  |
| <b>Total noise issue comments to the project</b> | <b>71</b>   |
| <b>Total non-project related exceedances</b>     | <b>2849</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, August 23, 2021 to Sunday, August 29, 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, August 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          | 55.4        | 53.3        | 49.4       | 48.4      | 47.8      | 48.7      | 51.0      | 56.6      | 59.6      | N/A       | N/A       |
| Site 2 - 2015 E. Roanoke St              | 78          | 59.0        | 57.4        | 54.6       | 53.5      | 52.9      | 53.0      | 55.1      | 59.1      | 62.5      | N/A       | N/A       |
| Site 3A - 3810 E. McGilvra St            | 62          | 49.3        | 49.2        | 48.4       | 43.8      | 43.1      | 44.0      | 47.0      | 51.6      | 54.3      | N/A       | N/A       |
| Site 4 - 2800 Montlake Blvd E            | 66          | 53.5        | 52.8        | 48.6       | 50.3      | 45.8      | 46.5      | 51.5      | 54.8      | 56.5      | N/A       | N/A       |
| Site 5 - 2565 22nd Av E.                 | 65          | 57.1        | 55.6        | 52.8       | 51.8      | 51.0      | 51.3      | 53.4      | 57.5      | 60.8      | N/A       | N/A       |
| Site 6 - 2160 E. Hamlin St               | 63          | 53.5        | 50.0        | 45.3       | 45.6      | 46.3      | 44.1      | 45.4      | 50.4      | 55.9      | N/A       | N/A       |
| Site 7 - 2209 E. Lake Wa Blvd            | 66          | 53.0        | 50.4        | 48.0       | 47.0      | 47.0      | 48.9      | 47.4      | 52.1      | 57.6      | N/A       | N/A       |
| Site 8 - Portable Between Sites 4 and 6  | 63          | 53.2        | 51.1        | 48.0       | 47.6      | 48.3      | 47.6      | 48.8      | 52.8      | 56.0      | N/A       | N/A       |
| Site 9 - Portable Between Sites 1 and 7  | 66          | 60.4        | 57.2        | 53.6       | 51.9      | 51.5      | 54.8      | 57.1      | 61.1      | 66.1      | N/A       | N/A       |
| Site 10 - Portable Between Sites 1 and 7 | 66          | 61.5        | 59.3        | 54.8       | 53.1      | 52.9      | 56.2      | 57.0      | 62.7      | 66.1      | 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 7:00am to install hangers and conduit under the Montlake lid and set up for day work.

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

**Exceedances:**  
 Site(s) 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, August 23, 2021 to Sunday, August 29, 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, August 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          | 54.9        | 53.2        | 50.9       | 48.7      | 46.6      | 47.7      | 50.2      | 56.0      | 60.5      | N/A       | N/A       |
| Site 2 - 2015 E. Roanoke St              | 78          | 59.2        | 57.4        | 55.3       | 52.8      | 51.7      | 51.4      | 54.7      | 59.1      | 63.8      | N/A       | N/A       |
| Site 3A - 3810 E. McGilvra St            | 62          | 50.5        | 48.0        | 47.9       | 52.7      | 52.7      | 52.9      | 52.6      | 51.2      | 54.9      | N/A       | N/A       |
| Site 4 - 2800 Montlake Blvd E            | 66          | 53.1        | 50.4        | 49.4       | 47.3      | 49.0      | 47.1      | 51.8      | 54.7      | 57.6      | N/A       | N/A       |
| Site 5 - 2565 22nd Av E.                 | 65          | 57.3        | 55.4        | 53.6       | 51.2      | 50.3      | 49.6      | 52.8      | 57.2      | 61.5      | N/A       | N/A       |
| Site 6 - 2160 E. Hamlin St               | 63          | 52.0        | 50.8        | 48.2       | 49.2      | 43.7      | 45.7      | 52.2      | 56.2      | 57.6      | N/A       | N/A       |
| Site 7 - 2209 E. Lake Wa Blvd            | 66          | 53.9        | 51.0        | 48.6       | 46.9      | 45.3      | 44.9      | 48.0      | 53.6      | 59.5      | N/A       | N/A       |
| Site 8 - Portable Between Sites 4 and 6  | 63          | 52.0        | 51.8        | 50.0       | 49.3      | 47.1      | 47.5      | 50.9      | 54.3      | 57.3      | N/A       | N/A       |
| Site 9 - Portable Between Sites 1 and 7  | 66          | 59.3        | 57.8        | 55.3       | 53.6      | 51.5      | 53.1      | 56.1      | 61.3      | 66.6      | N/A       | N/A       |
| Site 10 - Portable Between Sites 1 and 7 | 66          | 60.9        | 59.4        | 56.3       | 54.1      | 51.9      | 53.2      | 55.4      | 62.5      | 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 7:00am to install hangers and conduit under the Montlake lid, conduit installation on Lake Washington Blvd and set up for day work.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

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

**Non-Compliance:**

- 6:06am Design-Builder sub equipment was observed operating with a pure tonal backup alarm. Gary Stensland with PBS was notified. Design-Builder sub was reminded about the restriction of backup alarms usage during the MPPCNV monitoring 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, August 23, 2021 to Sunday, August 29, 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, August 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          | 58.4        | 53.1        | 50.0       | 49.2      | 47.4      | 44.8      | 49.2      | 54.3      | 56.9      | N/A       | N/A       |
| Site 2 - 2015 E. Roanoke St              | 78          | 58.9        | 55.1        | 53.2       | 53.1      | 51.6      | 52.4      | 52.8      | 56.3      | 60.4      | N/A       | N/A       |
| Site 3A - 3810 E. McGilvra St            | 62          | 49.3        | 46.3        | 46.8       | 43.7      | 41.3      | 40.5      | 44.3      | 48.7      | 51.4      | N/A       | N/A       |
| Site 4 - 2800 Montlake Blvd E            | 66          | 56.5        | 51.7        | 50.7       | 50.2      | 49.3      | 48.0      | 50.9      | 53.2      | 56.2      | N/A       | N/A       |
| Site 5 - 2565 22nd Av E.                 | 65          | 57.3        | 53.4        | 51.7       | 51.5      | 50.0      | 50.4      | 50.9      | 54.3      | 58.4      | N/A       | N/A       |
| Site 6 - 2160 E. Hamlin St               | 63          | 52.0        | 49.7        | 49.0       | 48.5      | 46.6      | 43.0      | 48.3      | 54.5      | 54.1      | N/A       | N/A       |
| Site 7 - 2209 E. Lake Wa Blvd            | 66          | 51.1        | 48.3        | 48.8       | 45.7      | 45.0      | 42.6      | 45.6      | 51.7      | 53.9      | N/A       | N/A       |
| Site 8 - Portable Between Sites 4 and 6  | 63          | 54.8        | 50.6        | 51.0       | 51.0      | 49.4      | 47.0      | 50.2      | 52.8      | 54.6      | N/A       | N/A       |
| Site 9 - Portable Between Sites 1 and 7  | 66          | 61.3        | 56.4        | 53.6       | 52.4      | 52.4      | 50.8      | 54.4      | 60.2      | 63.9      | N/A       | N/A       |
| Site 10 - Portable Between Sites 1 and 7 | 66          | 62.2        | 58.0        | 54.5       | 52.5      | 53.5      | 51.9      | 55.3      | 61.9      | 64.4      | 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 hangers and conduit under the Montlake lid and set up for day work.

**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  
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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
**Monday, August 23, 2021 to Sunday, August 29, 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, August 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          | 54.5        | 52.3        | 50.2       | 48.6      | 47.5      | 46.7      | 49.9      | 55.5      | 58.4      | N/A       | N/A       |
| Site 2 - 2015 E. Roanoke St              | 78          | 56.7        | 55.6        | 53.4       | 52.6      | 52.2      | 49.9      | 51.7      | 55.9      | 59.8      | N/A       | N/A       |
| Site 3A - 3810 E. McGilvra St            | 62          | 48.5        | 47.7        | 49.5       | 53.4      | 52.9      | 52.8      | 52.0      | 49.3      | 52.5      | N/A       | N/A       |
| Site 4 - 2800 Montlake Blvd E            | 66          | 52.8        | 52.9        | 50.4       | 56.8      | 55.3      | 47.9      | 51.3      | 52.9      | 54.8      | N/A       | N/A       |
| Site 5 - 2565 22nd Av E.                 | 65          | 55.0        | 54.0        | 52.7       | 51.7      | 52.6      | 49.5      | 50.5      | 54.4      | 58.2      | N/A       | N/A       |
| Site 6 - 2160 E. Hamlin St               | 63          | 50.5        | 50.2        | 50.6       | 49.0      | 48.9      | 46.4      | 49.9      | 53.1      | 55.5      | N/A       | N/A       |
| Site 7 - 2209 E. Lake Wa Blvd            | 66          | 51.0        | 49.4        | 48.4       | 47.8      | 47.0      | 48.7      | 47.6      | 52.8      | 55.7      | N/A       | N/A       |
| Site 8 - Portable Between Sites 4 and 6  | 63          | 56.5        | 52.7        | 50.9       | 51.8      | 53.7      | 47.5      | 50.8      | 53.5      | 54.2      | N/A       | N/A       |
| Site 9 - Portable Between Sites 1 and 7  | 66          | 58.8        | 56.7        | 54.9       | 54.3      | 53.1      | 55.2      | 56.3      | 64.8      | 64.1      | N/A       | N/A       |
| Site 10 - Portable Between Sites 1 and 7 | 66          | 60.9        | 57.3        | 56.2       | 54.9      | 52.1      | 54.4      | 55.6      | 62.5      | 64.8      | 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 hangers and conduit under the Montlake lid, run wires at the RSUP and South pit and set up for day work.

**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

# = 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, August 23, 2021 to Sunday, August 29, 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, August 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          | 56.9        | 55.7        | 57.4       | 55.9      | 54.5      | 52.3      | 55.0      | 55.8      | 56.2      | 58.0      | 62.4      |
| Site 2 - 2015 E. Roanoke St              | 78          | 66.2        | 69.7        | 70.8       | 69.7      | 71.6      | 71.1      | 71.2      | 71.5      | 69.5      | 68.4      | 67.7      |
| Site 3A - 3810 E. McGilvra St            | 62          | 53.6        | 50.6        | 52.6       | 50.0      | 50.1      | 49.1      | 48.3      | 50.6      | 52.3      | 53.1      | 55.1      |
| Site 4 - 2800 Montlake Blvd E            | 66          | 68.3        | 69.3        | 63.1       | 57.6      | 52.8      | 52.5      | 72.0      | 71.4      | 60.6      | 59.4      | 60.1      |
| Site 5 - 2565 22nd Av E.                 | 65          | 66.5        | 70.9        | 69.8       | 68.3      | 71.3      | 69.6      | 69.1      | 71.7      | 67.3      | 66.6      | ~         |
| Site 6 - 2160 E. Hamlin St               | 63          | 56.1        | 50.5        | 54.8       | 53.1      | 52.1      | 51.2      | 52.9      | 52.5      | 52.6      | 51.3      | 56.4      |
| Site 7 - 2209 E. Lake Wa Blvd            | 66          | 59.0        | 58.3        | 63.0       | 65.6      | 63.1      | 63.9      | 60.6      | 62.0      | 60.1      | 61.7      | 65.0      |
| Site 8 - Portable Between Sites 4 and 6  | 63          | 57.7        | 56.1        | 58.1       | 55.3      | 55.2      | 54.6      | 58.8      | 57.3      | 57.0      | 54.6      | 60.0      |
| Site 9 - Portable Between Sites 1 and 7  | 66          | 61.7        | 60.4        | 62.1       | 59.2      | 60.4      | 58.2      | 62.5      | 62.5      | 65.0      | 64.0      | 71.5      |
| Site 10 - Portable Between Sites 1 and 7 | 66          | 60.1        | 59.6        | 60.8       | 59.3      | 63.5      | 56.3      | 61.7      | 61.0      | 61.9      | 64.1      | 70.7      |

\*Hourly-Average Leq (dBA)

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

**Work:**

Design-Builder worked between 10:00pm and 9:00am to relocate Montlake Blvd into a new configuration. Pavement and structure demo, traffic signal removal and installation, luminaire removal and installation, drainage and utility work, grading, paving, striping, barrier removal and installation, and anchoring and set up for day work. Work is covered under TNV #6854045-NV.

**Public Comments:**

- 8:30 p.m August 27th - Resident called the project hotline to complain about the vibrations from the demolition work on Montlake Blvd near his home. The call required a follow-up. **See Public Notice Log for additional details.**
- 8:56 p.m August 28th - Resident called the project hotline to ask for a hotel room for Saturday and Sunday night. The call required a follow-up. **See Public Notice Log for additional details.**
- 3:29 a.m August 28th - Resident called the project hotline to say that our demolition work was very loud. The call did not require a follow-up. **See Public Notice Log for additional details.**
- 8:56 a.m August 28th - Resident called the project hotline to say that last night's work was very loud and she thinks it would be better to block traffic during the daytime... The call required a follow-up. **See Public Notice Log for additional details.**
- 2:51 a.m August 28th - Resident texted the project hotline to say the noise variance for the project appears to avoid impactful work in the night time... The text required a follow-up. **See Public Notice Log for additional details.**
- 12:43 p.m August 28th - Resident texted the project hotline to ask will the intensity of the vibration increase any further... The texted required a follow-up. **See Public Notice Log for additional details.**

**Exceedances:**

Site(s) 4, 5, 9 and 10 exceedances are project related. Exceedances are caused by work activities near the noise monitors. Work is covered under TNV #6854045-NV.

**Non-Compliance:**

Design-Builder sub was observed at 12:31am with an unlined dump truck. Violation towards the TNV #6854045-NV. Bryan Neet with PBS was notified. Design-Builder swapped the equipment with a lined dump truck.

**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, August 23, 2021 to Sunday, August 29, 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, August 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          | 58.4        | 56.6        | 56.1       | 54.6      | 56.1      | 54.3      | 57.8      | 56.8      | 55.5      | 54.5      | 55.8      |
| Site 2 - 2015 E. Roanoke St              | 78          | 64.3        | 63.7        | 64.4       | 63.7      | 63.8      | 65.8      | 66.4      | 65.0      | 66.4      | 66.2      | 65.5      |
| Site 3A - 3810 E. McGilvra St            | 62          | 53.0        | 53.0        | 53.4       | 54.0      | 53.8      | 52.8      | 52.4      | 46.0      | 50.0      | 49.6      | 51.9      |
| Site 4 - 2800 Montlake Blvd E            | 66          | 63.0        | 61.5        | 57.4       | 57.1      | 59.4      | 59.8      | 64.3      | 62.4      | 60.9      | 57.7      | 54.6      |
| Site 5 - 2565 22nd Av E.                 | 65          | 62.5        | 61.5        | 62.3       | 61.4      | 61.8      | 65.7      | 65.3      | 63.8      | 66.5      | 66.3      | 65.7      |
| Site 6 - 2160 E. Hamlin St               | 63          | 56.2        | 56.5        | 54.7       | 54.8      | 57.0      | 58.0      | 55.7      | 54.8      | 54.8      | 49.5      | 50.5      |
| Site 7 - 2209 E. Lake Wa Blvd            | 66          | 61.0        | 60.8        | 65.0       | 63.3      | 63.3      | 63.8      | 59.6      | 61.1      | 63.0      | 65.2      | 59.3      |
| Site 8 - Portable Between Sites 4 and 6  | 63          | 57.1        | 57.9        | 57.3       | 57.1      | 57.5      | 56.4      | 55.8      | 56.5      | 57.5      | 55.1      | 51.8      |
| Site 9 - Portable Between Sites 1 and 7  | 66          | 69.6        | 68.3        | 70.5       | 69.5      | 70.0      | 68.7      | 64.4      | 64.6      | 66.1      | 64.3      | 63.0      |
| Site 10 - Portable Between Sites 1 and 7 | 66          | 64.3        | 62.4        | 63.5       | 61.5      | 63.5      | 61.1      | 66.6      | 65.8      | 62.6      | 61.1      | 63.1      |

\*Hourly-Average Leq (dBA)

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

**Work:**

Design-Builder worked between 10:00pm and 9:00am to relocate Montlake Blvd into a new configuration. Pavement and structure demo, traffic signal removal and installation, luminaire removal and installation, drainage and utility work, grading, paving, striping, barrier removal and installation, and anchoring and set up for day work. Work is covered under TNV #6854045-NV.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 5, 9 and 10 exceedances are project related. Exceedances are caused by work activities near the noise monitors. Work is covered under TNV #6854045-NV.

**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, August 23, 2021 to Sunday, August 29, 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, August 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          | 56.0        | 52.5        | 53.3       | 51.0      | 49.7      | 50.7      | 54.5      | 53.4      | 58.5      | N/A       | N/A       |
| Site 2 - 2015 E. Roanoke St              | 78          | 67.8        | 67.3        | 66.2       | 65.5      | 65.2      | 68.5      | 60.8      | 57.9      | 60.0      | N/A       | N/A       |
| Site 3A - 3810 E. McGilvra St            | 62          | 53.1        | 51.8        | 48.0       | 52.3      | 52.5      | 53.2      | 52.0      | 48.1      | 51.5      | N/A       | N/A       |
| Site 4 - 2800 Montlake Blvd E            | 66          | 58.2        | 55.6        | 52.9       | 64.4      | 52.8      | 51.8      | 55.2      | 54.3      | 55.9      | N/A       | N/A       |
| Site 5 - 2565 22nd Av E.                 | 65          | 67.2        | 66.8        | 65.5       | 64.7      | 64.0      | 66.8      | 61.2      | 56.4      | 58.9      | N/A       | N/A       |
| Site 6 - 2160 E. Hamlin St               | 63          | 50.6        | 49.3        | 48.3       | 46.1      | 44.9      | 44.7      | 47.7      | 52.8      | 55.6      | N/A       | N/A       |
| Site 7 - 2209 E. Lake Wa Blvd            | 66          | 62.4        | 64.1        | 63.8       | 62.2      | 62.1      | 58.8      | 59.4      | 56.8      | 60.3      | N/A       | N/A       |
| Site 8 - Portable Between Sites 4 and 6  | 63          | 53.6        | 53.1        | 54.2       | 53.9      | 53.0      | 56.2      | 51.3      | 52.9      | 55.8      | N/A       | N/A       |
| Site 9 - Portable Between Sites 1 and 7  | 66          | 69.0        | 68.7        | 66.8       | 60.2      | 66.2      | 60.8      | 64.9      | 61.5      | 71.0      | N/A       | N/A       |
| Site 10 - Portable Between Sites 1 and 7 | 66          | 61.9        | 59.0        | 64.3       | 59.7      | 55.1      | 61.3      | 65.7      | 61.0      | 68.2      | 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 5:35am to relocate Montlake Blvd into a new configuration. Pavement and structure demo, traffic signal removal and installation, luminaire removal and installation, drainage and utility work, grading, paving, striping, barrier removal and installation, and anchoring and set up for day work. Work is covered under TNV #6854045-NV.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 5, 9 and 10 exceedances are project related. Exceedances are caused by work activities near the noise monitors. Work is covered under TNV #6854045-NV.

**Non-Compliance:**

Design-Builder sub was observed at 12:23am using a sweeper and 3:48am using a hydro blaster to remove existing striping. Violation towards the TNV #6854045-NV. Noise variance condition #15. Bryan Neet with PBS was notified. No action was taken.

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

Monday, August 23, 2021 to Sunday, August 29, 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>   |
| 08/24/2021 - 9:10pm       | To: Project Hotline<br>From: Resident near site #8 | Outside the MPPCNV Monitoring: Resident "called the hotline to report a "loud motor sound - like a generator revving up and down." She said it sounded like it was coming from Montlake Boulevard to the northeast of her house."   | Bob Derry (Public Information Manager) told her "he would try to learn what the sound was and how long it was expected to last. Bob called Gary Stensland to report the noise and find out what was going on. Gary reported that the noise was likely caused by a Graham mechanic working on an excavator located on the Old Canal Reserve. Gary said the mechanic was finished with his work and was packing up to go (10:14 p.m.). Bob texted this information to resident and she thanked Bob for the information and said "it is so much better." |
| 08/27/2021 - 8:30pm       | To: Project Hotline<br>From: Resident near site #5 | Resident called the project hotline "to complain about the vibrations from the demolition work on Montlake Blvd near his home. He asked how long he was going to have to put up with it."   | Bob Derry (Public Information Manager) told "him that work was going to happen in that area, on and off, until Monday morning."   |
| 08/28/2021 - 8:56am       | To: Project Hotline<br>From: Resident near site #5 | Resident called the project hotline "to ask for a hotel room for Saturday and Sunday night. He said the noise and vibration last night was the worst he had experienced during this project."   | Bob Derry (Public Information Manager) told him "he'd make a reservation for him at a pet-friendly hotel."  |
| 08/28/2021 -3:29am        | To: Project Hotline<br>From: Resident near site #8 | Resident called the project hotline "to say that our demolition work was very loud."  | Bob Derry (Public Information Manager) reported the complaint to Gary Stensland. No follow up required  |
| 08/28/2021 - 8:56am       | To: Project Hotline<br>From: Resident near site #5 | Resident called the project hotline "to say that last night's work was very loud and she thinks it would be better to block traffic during the daytime than to disturb the neighborhood with loud work such as that."   | Bob Derry (Public Information Manager) answered the call and "told her he'd call her back later in the day with information about the nature of tonight's work and how loud it might be."   |
| 08/28/2021 - 2:51am       | To: Project Hotline<br>From: Resident near site #5 | Resident texted the project hotline to say that "the noise variance for the project appears to avoid impactful work in the night time , but the truck breaks are squeaking and there is other impactful working shaking my home. Is this noise level expected? This is the work on the corner of Montlake and Roanoke st" | Bob Derry (Public Information Manager) "answered - Yes, this noise and vibration level was expected. The project received a temporary noise variance to perform this work at night this weekend. There was no reply"  |
| 08/28/2021 - 12:43pm      | To: Project Hotline<br>From: Resident near site #4 | Resident texted the project hotline to ask "will the intensity of the vibration increase any further? Just getting concerned as the whole house is shaking rather intensely."   | Bob Derry (Public Information Manager) called resident "and explained the vibration monitoring system to her and how work would be shut down if vibrations reached a level harmful to historic homes. Bob also told her that vibrations of some sort will continue through the weekend. She did not want a hotel room."   |