

## SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 14, 2019** to **Sunday, October 20, 2019**

**PUBLISHED OCTOBER 23, 2019**

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:** **66**

### WEEKLY TOTALS

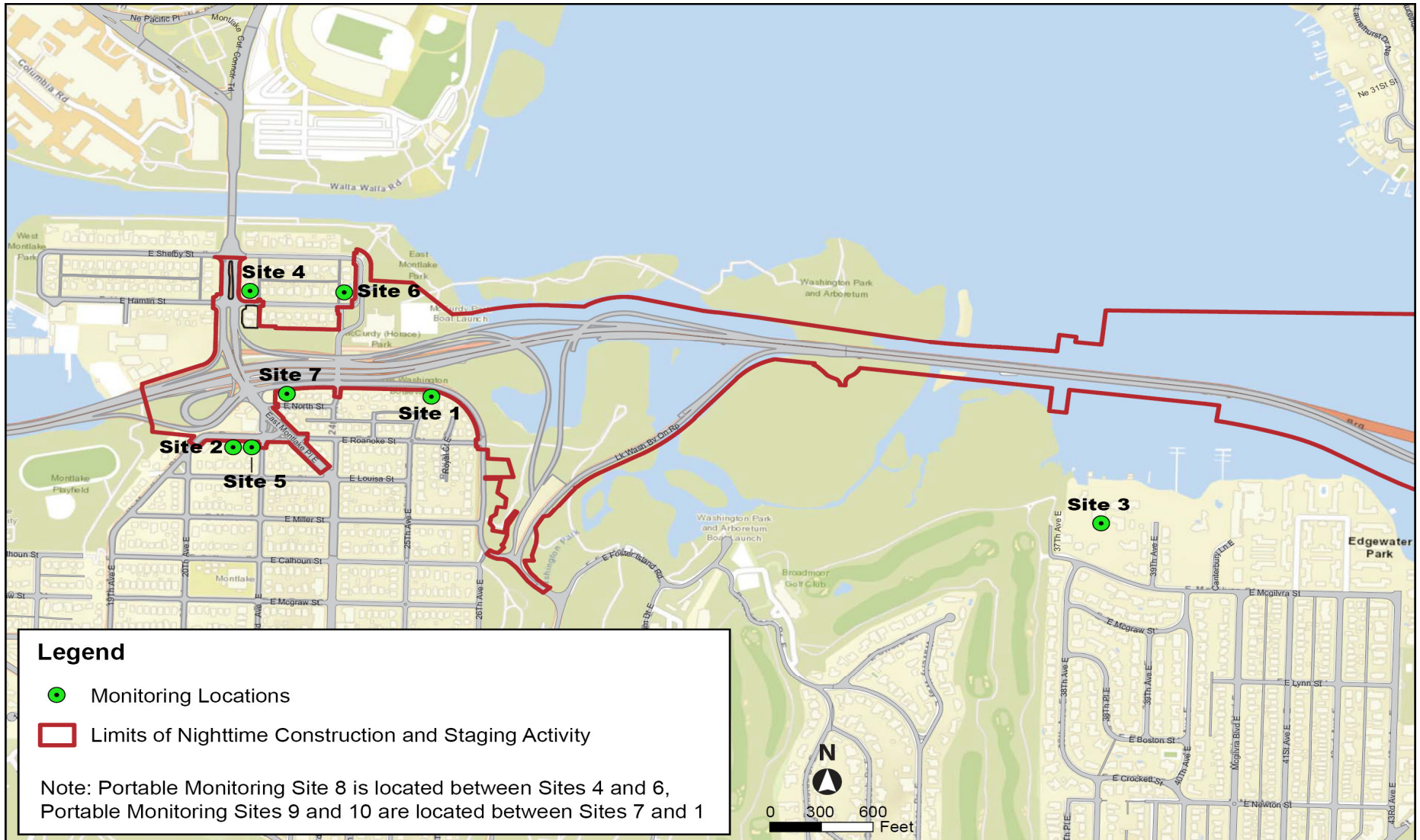
Nights worked this week (under the MPPCNV)	1
Project related exceedances this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	47

### PROJECT TOTALS TO DATE

Total Nights Worked (under the MPPCNV)	18
Total Project related non-compliance	8
Total noise issue comments to the project	15
Total non-project related exceedances	339

**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, October 14, 2019 to Sunday, October 20, 2019 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:

Monday, October 14, 2019												
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	62.2	59.7	57.0	53.8	53.9	53.9	57.2	62.0	66.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.1	60.5	57.6	55.5	55.6	55.4	58.9	62.3	66.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	54.8	52.2	49.6	47.9	47.9	48.0	50.0	53.6	57.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.1	64.4	66.8	59.2	59.4	57.5	64.9	67.5	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.0	58.2	55.1	53.3	53.3	52.9	56.2	59.9	64.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.8	52.7	51.6	48.6	50.4	49.0	51.8	56.0	59.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.0	54.2	52.3	50.0	50.0	50.2	52.7	57.6	62.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.1	54.2	52.8	49.9	50.3	49.9	53.2	57.4	61.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.0	59.1	56.2	54.6	56.8	54.9	56.9	62.0	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.1	62.4	59.3	56.4	57.8	56.0	59.5	64.6	69.4	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**  
Move barrier from the expansion joint, clean cement dust behind temp pinned barrier. Work occurred on the West Approach Bridge South, far from the noise monitors.

Contractor worked between 10:00pm and 1:30am.

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

**Non-Compliance:**  
Site(s) #4, 9 and 10; No alert were received. Gary Stensland Graham ECM was inform of the system problem.  
Exceedances were public traffic related, no construction work near those location. Contractor finished construction work at 1:30am.

**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, October 14, 2019      to      Sunday, October 20, 2019      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, October 15, 2019</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	62.2	59.2	57.4	53.8	52.9	52.1	56.6	62.3	66.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.6	58.6	57.7	55.4	52.9	53.4	58.4	62.4	65.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	51.0	49.3	48.9	48.0	47.5	47.2	50.1	53.4	56.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	64.8	63.2	59.3	57.7	58.4	65.4	69.2	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	56.3	55.2	52.9	51.1	51.5	56.0	60.3	63.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	54.3	53.5	51.1	50.3	49.1	52.4	57.7	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.9	54.4	52.7	49.6	49.2	48.4	52.5	58.1	61.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.5	55.0	54.0	51.0	50.2	49.5	53.0	58.2	60.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.8	59.3	57.3	53.5	47.8	51.8	56.8	62.7	67.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.8	62.2	60.2	55.8	55.4	54.1	59.4	65.4	69.3	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

No night time construction work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Non-Compliance:**

Not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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

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

Monday, October 14, 2019      to      Sunday, October 20, 2019      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, October 16, 2019</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	63.4	60.6	56.7	54.0	53.9	53.2	56.8	61.8	66.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.6	59.6	56.8	54.7	56.5	53.5	57.7	62.6	64.2	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.1	50.2	48.0	47.0	47.3	47.1	48.1	50.7	53.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	71.7	64.6	61.9	59.9	58.5	58.6	65.0	68.2	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.1	57.5	54.5	52.7	53.3	51.4	55.2	59.9	61.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.8	57.3	54.0	50.6	51.0	50.8	54.0	58.2	60.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.6	55.8	52.0	50.3	49.9	49.4	52.6	57.7	61.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	60.4	57.3	53.6	50.7	51.3	50.3	54.2	58.6	61.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.2	60.5	57.2	53.6	54.6	53.9	56.8	63.2	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.1	63.4	59.5	56.5	56.3	55.7	59.9	65.0	69.3	N/A	N/A
*Hourly-Average Leq (dBA)												

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

**Work:**

No night time construction work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Non-Compliance:**

Not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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

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

Monday, October 14, 2019      to      Sunday, October 20, 2019      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

Thursday, October 17, 2019												
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	63.4	60.8	58.6	56.1	55.1	53.9	56.2	62.0	66.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.4	60.9	58.4	57.1	56.3	54.8	58.2	61.7	65.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	51.8	50.2	49.6	48.4	48.0	46.9	47.7	50.4	54.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.9	65.5	63.1	60.7	59.0	59.8	64.8	68.1	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.5	59.5	57.0	54.8	54.3	52.4	56.0	59.6	62.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.6	59.3	57.1	53.3	52.5	50.8	53.5	56.8	60.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.3	56.8	53.8	51.0	50.2	48.9	52.2	57.3	60.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	60.0	58.4	56.7	53.8	53.5	50.6	54.2	58.1	61.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.7	63.7	58.5	55.9	55.2	53.5	56.6	62.1	67.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.3	64.3	60.7	58.3	57.4	56.2	59.2	64.7	69.0	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

No night time construction work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Non-Compliance:**

Not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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

**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, October 14, 2019 to Sunday, October 20, 2019 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

Friday, October 18, 2019												
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	65.2	63.7	61.8	60.5	59.6	55.8	55.4	56.4	59.5	62.9	65.5
Site 2 - 2015 E. Roanoke St	78	62.8	61.7	63.9	62.5	61.5	55.9	59.2	61.5	63.3	63.5	65.4
Site 3 - 3810 E. McGilvra St	62	53.3	51.4	56.9	56.7	55.3	49.3	52.3	54.5	54.3	53.5	55.3
Site 4 - 2800 Montlake Blvd E	66	67.6	66.4	68.1	66.4	63.4	60.5	64.0	67.4	70.3	69.8	67.1
Site 5 - 2565 22nd Av E.	65	60.8	59.5	64.8	63.0	61.3	53.7	60.3	61.4	61.9	61.3	63.1
Site 6 - 2160 E. Hamlin St	63	60.4	57.7	58.1	56.6	54.9	50.2	53.6	54.4	55.6	54.6	58.3
Site 7 - 2209 E. Lake Wa Blvd	66	60.1	58.4	58.4	56.6	55.6	51.1	52.1	54.2	55.9	58.6	60.7
Site 8 - Portable Between Sites 4 and 6	63	60.8	58.4	57.8	56.1	55.1	50.8	53.2	55.0	56.4	57.3	61.1
Site 9 - Portable Between Sites 1 and 7	66	64.7	63.6	62.6	60.2	60.3	55.0	55.4	57.5	60.5	64.2	66.4
Site 10 - Portable Between Sites 1 and 7	66	68.4	67.0	67.6	70.1	69.1	60.6	65.9	65.1	67.4	68.5	71.3
*Hourly-Average Leq (dBA)												

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

**Work:**

No night time construction work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Non-Compliance:**

Site #4, Not project related. Exceedances are caused by public traffic driving by the noise monitors.

Site #10, Exceedances are caused by rain impacting the noise monitor. Gary Stensland Graham ECM was inform of the problem.

**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

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

Monday, October 14, 2019      to      Sunday, October 20, 2019      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

Saturday, October 19, 2019												
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	66.1	65.5	63.7	61.2	60.5	56.4	54.3	55.5	57.9	60.7	64.0
Site 2 - 2015 E. Roanoke St	78	63.1	62.5	61.2	59.4	58.0	59.0	54.6	57.0	58.6	60.4	63.3
Site 3 - 3810 E. McGilvra St	62	53.3	52.8	51.7	50.0	49.8	47.9	47.0	47.5	49.6	50.6	54.0
Site 4 - 2800 Montlake Blvd E	66	67.5	67.4	64.9	63.3	61.4	65.5	58.8	63.0	64.9	65.0	66.1
Site 5 - 2565 22nd Av E.	65	60.6	60.0	58.7	56.9	55.5	56.0	52.5	54.6	56.7	58.0	61.5
Site 6 - 2160 E. Hamlin St	63	59.5	58.8	56.5	54.5	54.0	51.0	48.3	50.5	54.3	53.5	58.3
Site 7 - 2209 E. Lake Wa Blvd	66	60.5	59.7	58.0	55.5	54.6	52.2	49.0	50.8	54.1	55.6	59.3
Site 8 - Portable Between Sites 4 and 6	63	60.3	59.8	57.9	55.8	54.9	53.8	49.4	52.2	55.5	54.9	59.6
Site 9 - Portable Between Sites 1 and 7	66	65.1	65.0	62.7	60.4	59.2	55.3	53.3	54.9	59.0	60.3	64.0
Site 10 - Portable Between Sites 1 and 7	66	65.2	64.1	61.6	59.9	58.4	54.5	52.6	54.3	57.3	60.2	64.0

\*Hourly-Average Leq (dBA)

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

**Work:**

No night time construction work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Non-Compliance:**

Not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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



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

Monday, October 14, 2019      to      Sunday, October 20, 2019      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

Sunday, October 20, 2019												
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	62.6	60.6	57.0	54.5	52.3	52.8	57.0	62.3	66.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.2	62.8	57.3	54.7	55.5	53.9	59.8	66.1	64.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.1	50.5	48.4	47.1	46.5	46.8	48.0	51.1	54.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.5	69.3	61.6	58.9	58.4	58.0	65.2	70.8	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.1	59.1	55.0	52.6	52.4	51.6	57.7	61.5	62.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.7	52.3	51.3	50.1	48.0	50.5	52.8	56.9	59.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.5	55.8	52.1	49.6	48.1	48.3	52.9	57.9	61.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.7	55.7	52.6	50.7	48.7	50.3	53.6	58.6	60.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.1	59.7	57.2	53.8	51.7	52.9	56.5	62.3	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.5	59.9	56.4	54.3	51.6	49.9	57.6	59.2	63.0	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

No night time construction work performed.

**Public Comments:**

No public comments received related to nighttime noise.

**Non-Compliance:**

Not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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

**SR 520 Montlake to Lake Washington I/C and Bridge Replacement Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
**Monday, October 14, 2019 to Sunday, October 20, 2019**      **10 p.m. to 7 a.m. (weekdays)/ 9a.m. (weekends)**

[illegible]