



## SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 21, 2019** to **Sunday, October 27, 2019**

**PUBLISHED OCTOBER 30, 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**

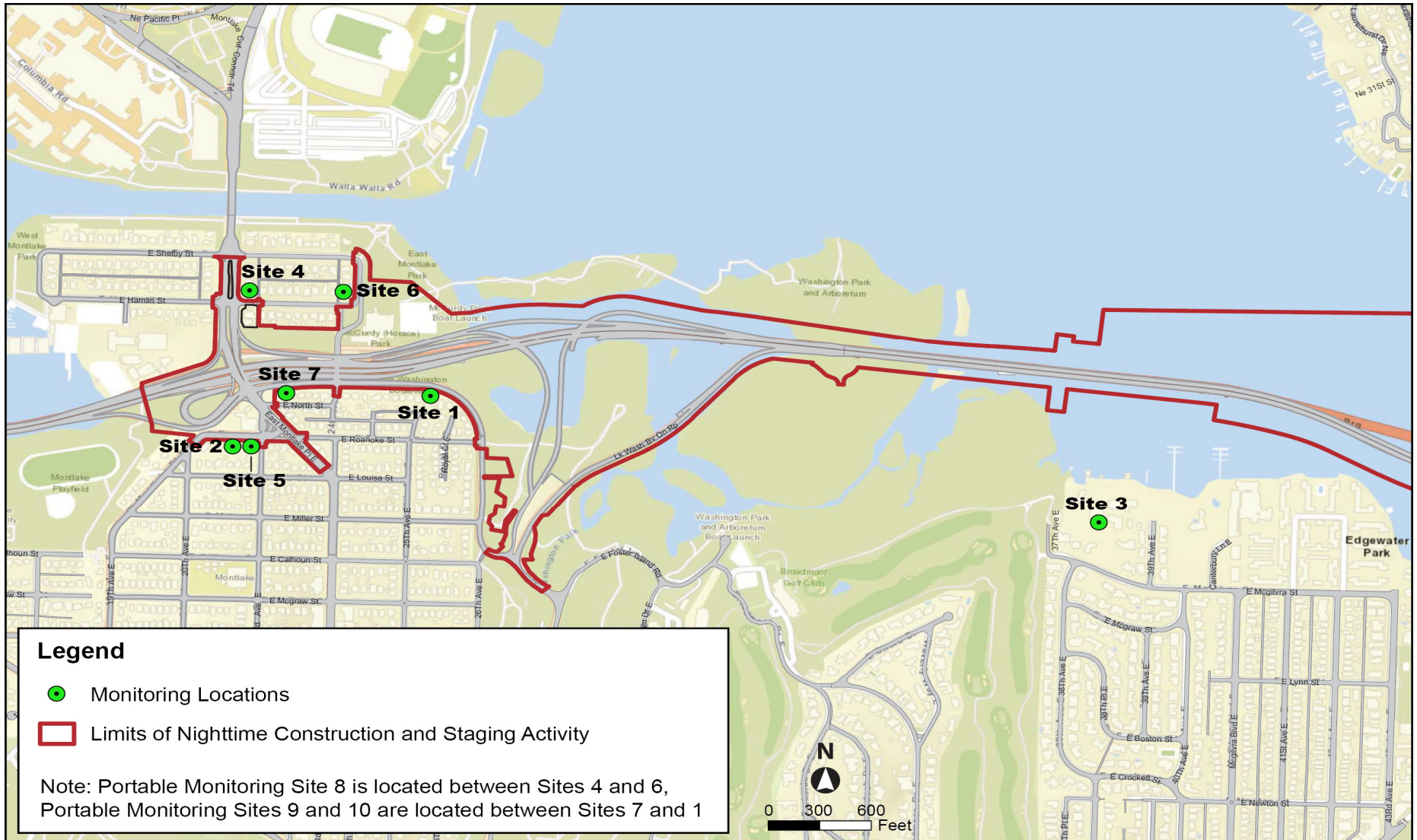
**MPPCNV days to date:** **73**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	3
Project related exceedances this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	48

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	21
Total Project related non-compliance	8
Total noise issue comments to the project	15
Total non-project related exceedances	387

**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 21, 2019      to      Sunday, October 27, 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 are:

Monday, October 21, 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	61.9	59.2	57.2	53.5	52.1	53.0	57.4	62.9	67.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.2	60.9	58.3	56.0	54.3	54.5	59.1	63.8	65.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	53.3	50.7	49.8	47.6	46.7	46.5	48.0	53.9	58.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.1	67.3	64.3	61.5	59.3	59.4	65.9	70.1	71.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.0	58.6	57.4	53.6	51.7	51.3	55.9	62.3	63.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	63.5	60.5	59.2	51.3	48.2	48.2	51.6	54.1	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.5	55.7	53.3	49.9	47.9	48.1	53.0	58.6	62.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	62.3	59.8	57.4	52.2	49.0	49.0	53.4	57.2	60.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.2	60.3	58.4	54.4	53.1	52.5	57.1	63.4	67.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.5	55.3	53.1	49.6	51.2	51.4	53.3	59.2	63.4	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

# = 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 21, 2019      to      Sunday, October 27, 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 are:

<b>Tuesday, October 22, 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	64.1	63.0	59.1	56.1	55.7	54.4	58.8	63.1	67.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.4	61.6	59.8	59.7	56.5	56.0	60.1	63.1	65.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	55.2	53.8	51.0	49.4	48.8	47.9	50.3	53.1	58.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.6	64.8	62.2	67.0	59.3	59.2	65.3	68.0	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.4	59.1	57.4	56.4	54.1	53.5	57.5	60.6	63.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	56.6	53.9	52.5	50.7	50.6	53.0	55.1	56.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.3	57.5	54.3	53.2	50.9	50.3	54.5	57.8	61.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.5	57.6	55.2	54.3	51.8	51.5	54.8	57.2	59.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.5	62.2	58.3	56.0	55.1	54.3	58.2	62.7	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	56.0	56.8	54.3	48.2	55.3	48.5	50.6	55.0	59.2	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 21, 2019 to Sunday, October 27, 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 23, 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	65.5	62.1	59.1	56.2	55.8	55.1	58.3	63.3	67.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.4	61.5	58.6	56.5	58.6	55.7	58.8	64.7	65.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	56.3	52.1	48.9	47.0	45.5	44.4	48.5	53.3	56.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.8	64.2	61.1	59.3	59.5	58.7	63.7	68.8	69.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.0	59.0	56.1	54.3	55.0	53.2	56.1	61.5	63.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.6	54.3	51.6	50.5	49.7	48.1	51.1	55.7	57.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.9	56.5	53.5	51.7	50.6	50.1	53.6	58.5	62.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.4	56.7	53.4	51.7	52.8	50.4	53.5	57.9	59.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.5	60.6	60.2	55.7	54.7	53.8	57.7	64.3	68.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67.1	63.8	61.3	58.0	58.0	57.4	61.0	66.0	70.8	N/A	N/A
*Hourly-Average Leq (dBA)												

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

**Work:**

Night time construction work performed after 5:30am; Geotechnical Investigation between Montlake Ramp and WB mainline. The geotech equipment arrived and set up on-site between 5:30am - 7:00am, no equipment was operated before 7:00am.

**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 21, 2019 to Sunday, October 27, 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 are:

Thursday, October 24, 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	64.2	61.6	58.9	56.7	55.1	55.3	57.3	62.2	66.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.5	60.7	58.6	57.0	60.0	55.9	58.6	61.9	64.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	53.2	51.4	49.0	46.6	44.8	43.8	44.9	49.2	52.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.2	64.4	62.0	60.1	69.3	59.7	64.4	67.6	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.0	58.2	55.8	54.4	56.6	53.5	55.7	59.2	63.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.6	52.7	52.0	48.6	49.8	49.0	52.6	55.8	60.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.6	55.6	53.2	50.9	51.4	50.4	52.9	57.2	60.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.5	55.1	53.0	50.8	52.6	50.6	53.6	57.0	60.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.1	60.4	57.7	56.4	54.0	53.8	58.8	62.1	66.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.7	63.4	49.0	46.9	56.3	66.0	51.1	52.7	55.3	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Night time construction work performed after 5:30am; Geotechnical Investigation between Montlake Ramp and WB mainline. The geotech equipment arrived and set up on-site between 5:30am - 7:00am, no equipment was operated before 7:00am.

**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.

Site #10: Equipment was vandalised around 12:00am, Gary Stensland with Graham was notified.

**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 21, 2019      to      Sunday, October 27, 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 are:

Friday, October 25, 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	64.8	63.9	61.2	61.5	59.9	56.9	54.5	56.8	59.8	63.6	66.2
Site 2 - 2015 E. Roanoke St	78	64.0	62.1	60.4	59.6	60.2	57.5	57.1	59.6	61.2	63.7	66.2
Site 3 - 3810 E. McGilvra St	62	54.8	52.6	49.3	48.2	47.6	45.5	43.4	46.4	51.8	54.3	56.6
Site 4 - 2800 Montlake Blvd E	66	69.5	67.1	64.9	64.5	62.1	60.3	60.9	63.8	67.6	67.7	69.2
Site 5 - 2565 22nd Av E.	65	61.9	59.6	57.9	57.0	57.1	54.3	54.7	56.5	59.1	61.2	63.7
Site 6 - 2160 E. Hamlin St	63	59.3	56.7	54.2	55.1	52.6	49.1	48.5	50.4	53.9	56.0	57.2
Site 7 - 2209 E. Lake Wa Blvd	66	60.4	58.7	56.0	55.9	53.9	51.1	49.8	52.6	56.0	58.7	60.5
Site 8 - Portable Between Sites 4 and 6	63	60.2	58.2	55.9	56.2	53.9	51.3	50.6	52.6	56.1	58.0	59.6
Site 9 - Portable Between Sites 1 and 7	66	64.9	63.2	60.9	60.4	58.4	55.8	53.9	56.5	60.7	65.3	65.7
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~
*Hourly-Average Leq (dBA)												

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

**Work:**

Night time construction work performed; Road excavation and Drainage Run Install. Contractor Graham on-site at 7:00am but not equipment was being operated between 7:00am and 9:00am.

**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: No data available due to vandalism of the equipment.

**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 21, 2019 to Sunday, October 27, 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 are:

Saturday, October 26, 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	67.2	66.3	64.8	63.6	62.3	59.6	56.0	55.2	59.5	62.8	64.9
Site 2 - 2015 E. Roanoke St	78	66.4	65.8	64.8	62.0	61.1	58.4	57.2	57.7	60.4	62.0	64.2
Site 3 - 3810 E. McGilvra St	62	58.3	57.3	55.1	53.3	52.6	50.3	46.0	45.4	50.7	53.0	55.7
Site 4 - 2800 Montlake Blvd E	66	68.2	67.0	66.5	63.9	62.4	59.5	60.2	62.4	66.5	66.2	68.5
Site 5 - 2565 22nd Av E.	65	63.7	63.3	62.1	59.5	58.7	56.0	55.0	55.4	57.8	59.2	61.9
Site 6 - 2160 E. Hamlin St	63	61.0	59.5	58.7	58.5	56.8	53.3	50.3	51.9	55.4	56.0	56.2
Site 7 - 2209 E. Lake Wa Blvd	66	61.9	61.3	59.8	58.3	57.1	54.2	51.1	51.7	55.7	57.7	59.9
Site 8 - Portable Between Sites 4 and 6	63	62.2	61.3	59.6	58.7	57.4	54.5	51.3	52.4	56.2	57.8	58.6
Site 9 - Portable Between Sites 1 and 7	66	66.0	65.8	64.3	62.5	63.5	58.6	55.1	55.1	60.1	62.0	64.4
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~

\*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.

Site #10: No data available due to vandalism of the equipment.

**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 21, 2019 to Sunday, October 27, 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 are:

Sunday, October 27, 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	64.0	63.0	59.3	56.2	54.0	54.5	58.8	63.9	68.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.5	61.6	59.1	56.3	61.5	54.6	60.6	62.4	66.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	54.6	52.7	50.1	46.2	44.5	44.9	48.2	53.3	57.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.3	64.8	61.4	59.9	69.8	58.7	73.0	68.1	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.0	58.7	56.4	53.7	57.8	51.8	57.9	59.5	63.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.9	57.4	54.6	51.2	49.2	48.5	53.7	56.5	59.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.0	57.7	54.4	51.3	52.1	49.4	55.2	58.2	62.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.5	58.0	55.4	52.2	52.2	49.8	56.1	57.9	60.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.8	61.7	58.4	57.4	53.5	53.9	59.0	62.5	67.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	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.

Site #10: No data available due to vandalism of the equipment.

**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 21, 2019 to Sunday, October 27, 2019**      **10 p.m. to 7 a.m. (weekdays)/ 9a.m. (weekends)**

[illegible]