



## SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, January 13, 2020** to **Sunday, January 19, 2020**

**PUBLISHED JANUARY 22, 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:** **157**

### WEEKLY TOTALS

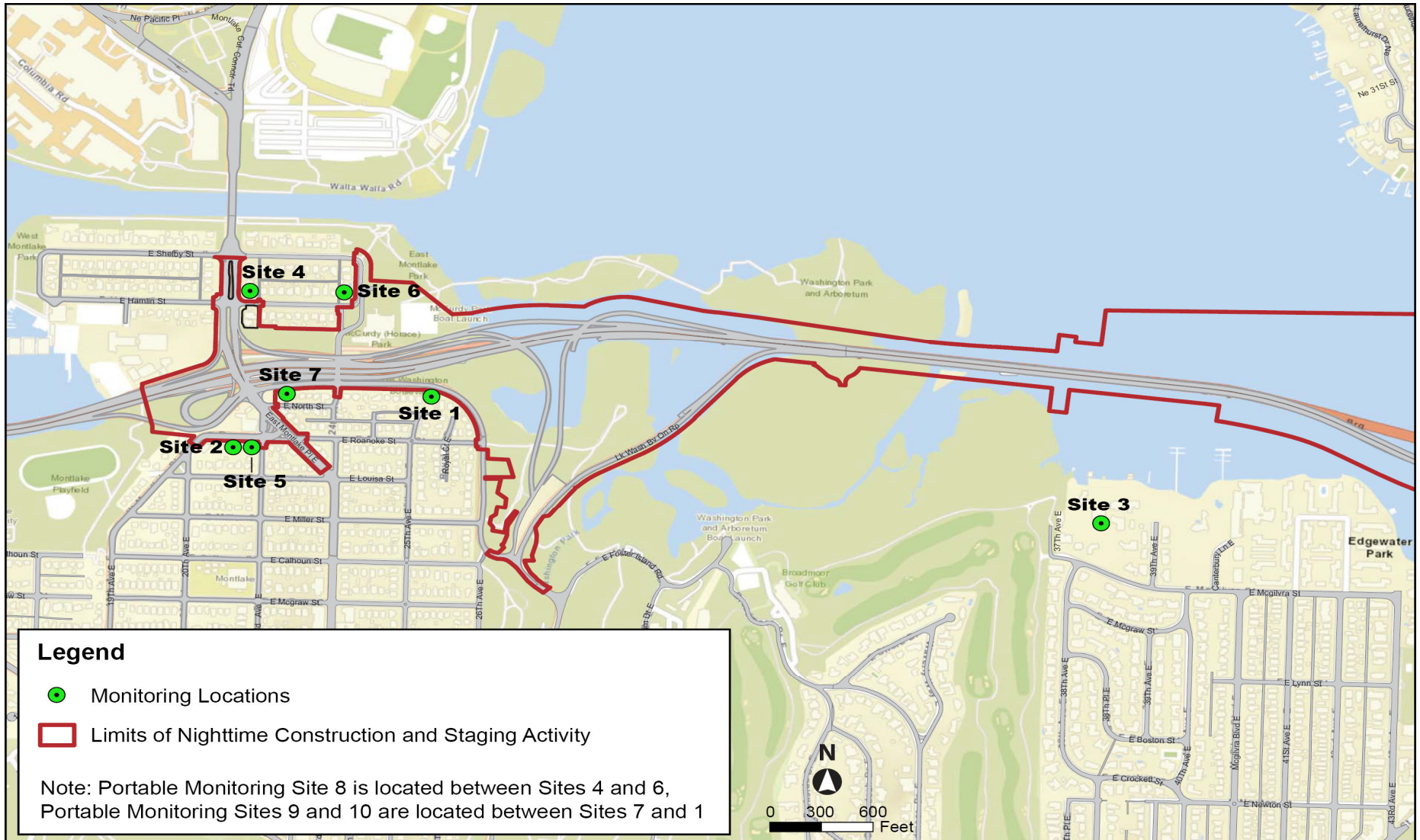
Nights worked this week (under the MPPCNV)	3
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	29

### PROJECT TOTALS TO DATE

Total Nights Worked (under the MPPCNV)	54
Total Project related non-compliance	12
Total noise issue comments to the project	21
Total non-project related exceedances	871

**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 13, 2020      to      Sunday, January 19, 2020      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, January 13, 2020												
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	53.9	51.1	50.3	51.3	49.8	49.9	51.7	54.1	58.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	58.0	54.6	53.7	51.1	54.0	56.9	59.1	61.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.1	46.0	46.1	46.2	44.8	44.7	45.0	46.2	47.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	64.7	61.4	60.5	58.4	60.4	63.5	67.5	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	55.8	52.3	51.4	48.6	51.8	54.1	56.0	59.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.4	46.9	46.9	45.9	43.5	43.3	45.0	48.6	52.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	51.5	51.4	51.2	48.3	50.5	51.1	53.9	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.0	50.6	51.9	50.8	47.3	51.9	49.6	52.2	55.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	58.7	59.6	60.7	57.6	59.4	60.0	62.1	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.2	59.2	57.5	59.7	57.6	58.0	60.0	62.6	65.9	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

- Road excavation and embankment for receiving pit for water line work

Contractor worked between 10:00pm - 5:15am

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

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, January 13, 2020 to Sunday, January 19, 2020 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:

Tuesday, January 14, 2020												
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	52.3	49.1	46.9	47.9	48.0	49.2	54.3	57.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.2	58.0	61.1	51.7	51.4	52.1	55.1	58.7	61.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.2	49.5	48.6	47.1	47.0	46.6	46.6	49.3	49.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	64.2	69.6	58.8	59.1	59.5	63.9	66.8	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	56.9	56.7	50.6	49.8	50.2	52.3	56.3	59.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	55.1	53.9	48.5	49.3	48.7	50.9	56.2	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.8	52.6	51.6	47.7	47.0	47.7	49.3	54.7	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.7	56.9	56.3	48.0	50.6	48.7	50.4	55.9	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.5	57.8	60.6	53.5	51.1	54.1	55.0	60.3	62.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.8	58.2	54.8	52.8	50.7	53.4	55.0	61.5	65.0	N/A	N/A
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> No nighttime construction work performed.  <b>Public Comments:</b> No public comments received related to nighttime noise.  <b>Exceedances:</b> Not project related. Exceedances are caused by public traffic driving by the noise monitors.  <b>Non-Compliance:</b> 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

**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, January 13, 2020      to      Sunday, January 19, 2020      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:

Wednesday, January 15, 2020												
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	54.6	52.2	49.0	47.2	46.2	49.1	50.9	55.6	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.0	57.8	54.7	53.3	52.3	52.8	57.2	60.9	62.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.1	47.9	46.1	46.4	46.2	46.2	47.0	47.9	48.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	64.1	61.3	58.9	57.1	60.5	64.5	68.5	70.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	56.3	52.6	51.4	49.8	50.4	53.9	58.5	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.5	54.8	50.7	49.5	49.0	48.6	53.3	57.1	60.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.5	53.4	50.1	49.7	47.3	49.0	52.3	56.7	59.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.7	55.2	50.1	50.1	49.3	48.0	53.0	56.9	59.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	58.9	54.8	56.0	51.0	54.7	57.8	63.1	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	59.5	57.3	53.1	51.6	55.2	57.4	63.3	66.8	N/A	N/A
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> No nighttime construction work performed.  <b>Public Comments:</b> No public comments received related to nighttime noise.  <b>Exceedances:</b> Not project related. Exceedances are caused by public traffic driving by the noise monitors.  <b>Non-Compliance:</b> 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

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

Monday, January 13, 2020      to      Sunday, January 19, 2020      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, January 16, 2020												
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	55.7	53.5	49.6	47.5	47.7	49.0	51.2	56.5	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	59.3	56.2	53.5	53.0	53.6	58.2	61.7	64.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.9	47.0	46.0	45.7	46.2	45.7	46.6	48.3	49.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.8	64.8	61.8	60.3	59.6	60.4	64.0	67.7	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	57.3	53.8	51.0	51.1	51.2	55.3	58.9	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	54.5	52.0	48.9	50.3	52.1	51.7	56.3	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.4	54.4	51.6	49.6	49.5	50.1	52.1	56.2	59.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.5	56.1	54.7	50.5	50.2	50.0	52.6	56.5	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.2	60.0	57.2	55.7	54.8	55.0	57.0	61.3	64.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	61.0	57.8	56.0	56.2	55.3	57.5	63.0	67.0	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

- Mobilized equipment for shoring installation at the North pit for the waterline work
- Moved the baker tank and cleaned up the site

Contractor worked between 10:00pm and 2:35am

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

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

**Non-Compliance:**

None.

**Legend**

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Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

~ = No Data Available

**SR 520 Montlake Project**  
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**NOISE MONITORING - WEEKLY REPORT**  
Monday, January 13, 2020 to Sunday, January 19, 2020 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, January 17, 2020												
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	58.0	55.1	53.4	52.8	52.6	55.0	56.0	55.9	56.8	59.1	61.4
Site 2 - 2015 E. Roanoke St	78	61.8	60.2	58.2	57.7	57.1	58.7	61.6	61.8	62.4	63.1	64.3
Site 3 - 3810 E. McGilvra St	62	48.7	47.7	46.7	47.7	49.1	54.2	57.2	56.1	54.1	52.1	52.6
Site 4 - 2800 Montlake Blvd E	66	67.7	65.6	64.4	63.9	63.1	62.3	64.4	67.0	70.1	70.3	70.8
Site 5 - 2565 22nd Av E.	65	59.6	58.0	55.9	56.4	55.7	59.0	61.0	59.7	59.4	60.4	61.9
Site 6 - 2160 E. Hamlin St	63	58.2	56.5	55.1	55.0	53.8	53.8	53.3	54.7	55.9	57.4	59.3
Site 7 - 2209 E. Lake Wa Blvd	66	57.5	56.7	54.8	53.5	53.3	55.0	56.3	56.1	57.4	60.2	61.0
Site 8 - Portable Between Sites 4 and 6	63	58.7	57.0	54.6	54.4	53.1	53.8	54.4	55.9	56.8	59.5	62.0
Site 9 - Portable Between Sites 1 and 7	66	62.8	63.1	61.2	58.5	58.3	57.8	58.5	62.3	64.4	67.0	68.3
Site 10 - Portable Between Sites 1 and 7	66	64.8	61.7	60.4	59.4	59.4	59.0	60.3	62.9	65.0	66.8	68.9
*Hourly-Average Leq (dBA)												

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

**Work:**

- Cabinet installation/signal turn on at Montlake intersection
- Drilling for pile installation at the North pit for the waterline work after 7am
- Contractor setting up for Bridge 520/6 demolition and pile driving after 7am.

Contractor worked between 10:00pm and 9:00am

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

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

**Non-Compliance:**

None.

**Legend**

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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 13, 2020      to      Sunday, January 19, 2020      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, January 18, 2020												
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	57.3	57.3	55.5	53.9	52.4	50.7	48.8	51.2	53.2	55.4	57.6
Site 2 - 2015 E. Roanoke St	78	61.0	60.5	59.9	58.0	56.1	54.6	53.7	56.5	59.0	60.9	61.9
Site 3 - 3810 E. McGilvra St	62	48.0	47.3	46.9	46.8	46.8	46.9	46.1	46.5	47.3	47.6	51.6
Site 4 - 2800 Montlake Blvd E	66	66.9	66.2	64.6	62.2	60.9	58.3	59.4	62.5	65.9	66.3	67.0
Site 5 - 2565 22nd Av E.	65	58.8	58.0	57.5	55.3	53.7	52.6	51.6	53.9	56.6	58.3	59.9
Site 6 - 2160 E. Hamlin St	63	58.0	58.3	52.5	53.1	53.7	52.5	49.8	51.1	52.5	58.3	57.1
Site 7 - 2209 E. Lake Wa Blvd	66	57.2	56.9	55.7	53.9	52.2	50.9	49.6	51.0	53.2	56.2	57.2
Site 8 - Portable Between Sites 4 and 6	63	58.2	57.7	54.2	54.4	54.2	53.0	50.3	51.8	54.2	55.0	57.6
Site 9 - Portable Between Sites 1 and 7	66	62.1	61.6	60.4	58.7	56.3	54.5	53.1	55.5	57.9	61.9	62.6
Site 10 - Portable Between Sites 1 and 7	66	65.1	64.2	62.2	60.5	57.7	56.3	53.8	57.2	59.3	63.5	64.6
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> No nighttime construction work performed.  <b>Public Comments:</b> No public comments received related to nighttime noise.  <b>Exceedances:</b> Not project related. Exceedances are caused by public traffic driving by the noise monitors.  <b>Non-Compliance:</b> None.												

**Legend**

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, January 13, 2020      to      Sunday, January 19, 2020      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, January 19, 2020												
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	57.4	55.1	52.8	52.9	50.5	49.9	52.2	56.3	58.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.4	60.1	59.2	56.7	70.5	54.8	59.1	61.4	63.2	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.4	47.9	47.0	46.5	46.1	45.6	47.1	47.2	49.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.7	64.2	62.1	60.5	60.0	58.8	62.4	67.1	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.5	57.5	56.8	54.0	68.8	52.0	57.1	58.4	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	57.8	54.5	53.3	52.8	49.6	54.5	58.3	58.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.9	55.5	53.5	53.2	54.4	50.3	52.2	56.4	58.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.5	57.3	54.7	52.9	52.7	49.5	54.4	57.7	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.9	59.9	58.1	56.7	55.8	55.1	56.8	61.2	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	61.0	58.4	58.6	54.4	55.1	57.0	62.2	65.0	N/A	N/A
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> No nighttime construction work performed.  <b>Public Comments:</b> No public comments received related to nighttime noise.  <b>Exceedances:</b> Not project related. Exceedances are caused by public traffic driving by the noise monitors.  <b>Non-Compliance:</b> 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

**10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)**

[illegible]