



## SR 520 Montlake Project

**Noise Monitoring Weekly Report Summary for**                      **Monday, January 20, 2020**                      **to**                      **Sunday, January 26, 2020**

**PUBLISHED JANUARY 29, 2020**

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**

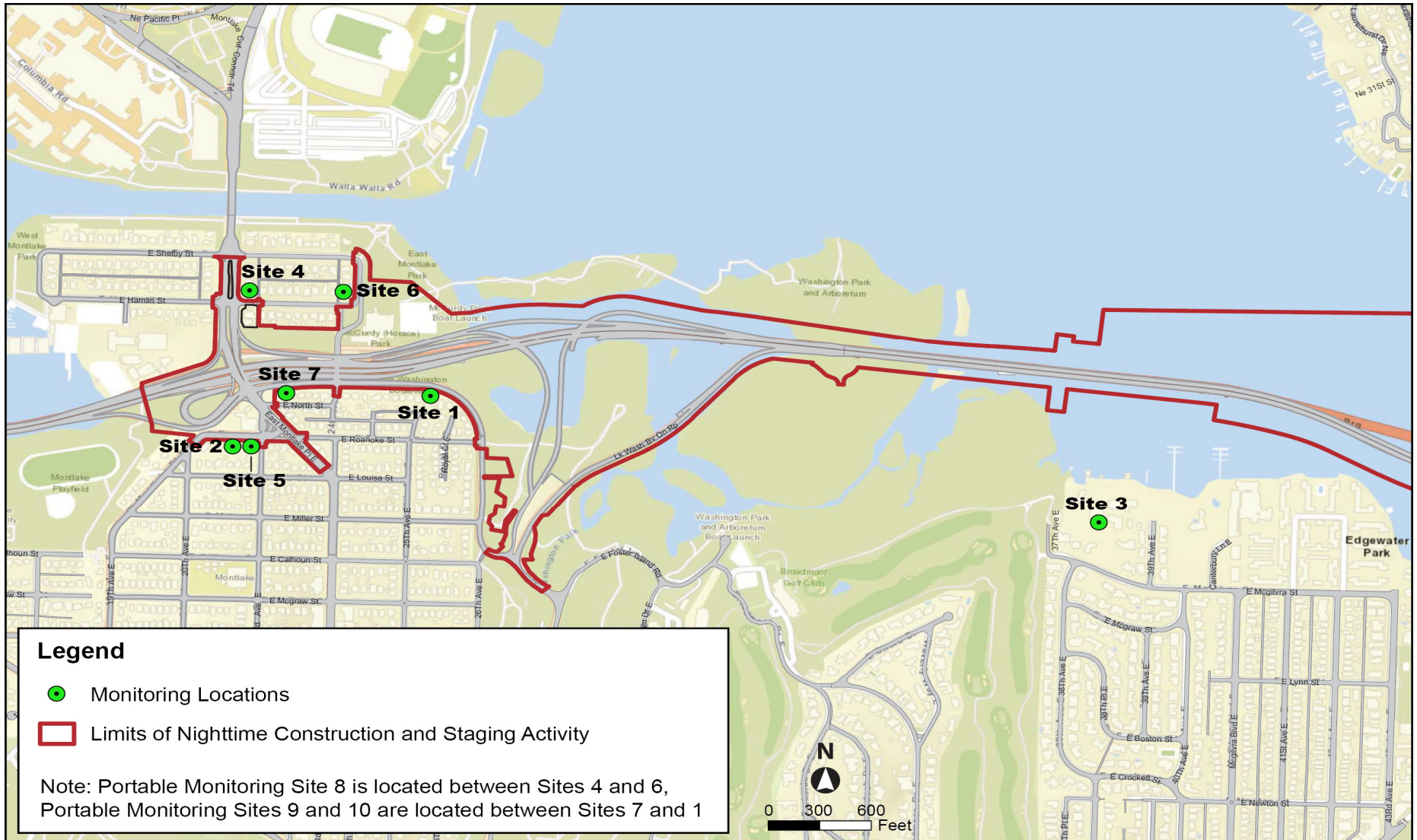
**MPPCNV days to date:**                      **164**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	50

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	58
Total Project related non-compliance	12
Total noise issue comments to the project	21
Total non-project related exceedances	921

**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 20, 2020      to      Sunday, January 26, 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 area

Monday, January 20, 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	56.5	54.4	51.6	49.1	51.1	49.9	54.9	57.2	60.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.3	60.3	57.5	55.4	54.5	55.4	59.8	62.0	73.3	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.3	47.2	46.4	45.8	48.1	47.8	52.9	53.8	50.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.5	64.5	61.2	58.2	58.5	62.6	67.1	70.1	73.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.8	57.8	55.2	52.8	53.4	53.9	58.5	59.8	68.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.2	54.5	51.6	49.1	50.1	49.9	54.4	58.6	60.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.7	54.2	51.7	48.8	50.4	50.4	54.9	57.9	61.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	55.2	52.0	49.6	51.8	50.1	55.5	58.5	61.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.9	59.0	55.7	53.3	54.3	54.1	60.3	64.8	67.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.9	61.4	55.9	53.7	55.1	53.5	60.5	65.4	68.1	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:**

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 20, 2020      to      Sunday, January 26, 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 area

Tuesday, January 21, 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	56.4	54.3	52.0	49.4	50.1	50.8	52.1	55.8	59.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.9	59.4	56.5	54.1	53.3	53.3	57.0	60.4	63.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.9	49.0	47.8	47.1	46.7	46.6	47.4	48.0	49.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.6	65.6	62.8	60.6	60.5	60.0	64.6	68.0	70.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.7	57.6	53.9	52.0	51.1	50.8	54.6	57.7	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.3	56.6	54.0	52.3	51.7	50.3	53.3	56.9	59.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.5	55.0	51.9	49.9	50.4	49.5	52.1	56.5	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.7	56.9	53.5	52.0	51.5	50.3	54.0	56.8	59.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.4	61.1	57.5	54.6	55.5	53.9	57.3	62.4	65.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.5	61.7	59.4	54.9	56.9	57.7	58.5	63.6	67.2	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

- Piles delivered at the north access pit near the westbound off-ramp to Montlake Blvd.
- Elcon installed temporary LCS sign on the pontoons.

Contractor worked between 10:00 p.m. and 2:35 a.m.

**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

**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, January 20, 2020 to Sunday, January 26, 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 area

<b>Wednesday, January 22, 2020</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	56.7	55.4	51.2	49.5	49.6	52.4	51.9	58.3	61.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.9	59.0	56.2	54.1	52.8	54.6	57.8	62.5	65.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.8	49.9	48.4	47.2	47.5	46.7	47.4	49.8	51.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.7	64.8	61.6	60.9	59.5	60.9	65.2	70.1	72.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	57.0	53.8	52.4	50.7	52.9	54.8	59.5	62.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	55.6	51.6	50.6	50.1	50.9	52.7	58.3	59.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.0	55.8	52.1	50.8	49.9	51.5	52.8	58.9	62.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.8	56.5	51.9	51.5	49.6	51.3	53.3	58.9	60.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	60.3	56.5	55.5	53.7	57.5	58.2	66.0	69.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.1	61.3	57.2	55.4	55.7	58.8	57.9	65.6	69.0	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

- Elcon installed temporary LCS sign on the pontoons.

Contractor worked between 10:00 p.m. and 2:30 a.m.

**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

**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, January 20, 2020 to Sunday, January 26, 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 area

Thursday, January 23, 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	57.1	57.1	53.1	50.2	56.4	51.7	52.4	56.4	60.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.3	61.8	58.0	56.8	60.4	56.4	58.6	61.6	63.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	50.7	54.5	50.1	47.5	55.0	51.5	51.5	49.8	49.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	69.0	68.2	64.0	64.7	63.5	61.6	66.2	69.2	71.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.0	60.1	54.9	52.9	62.6	53.5	56.0	58.6	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.5	55.4	52.9	50.9	53.0	51.3	53.3	57.7	59.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.1	57.0	53.4	52.3	55.3	49.9	53.1	57.4	60.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.1	56.6	54.2	53.3	54.4	51.1	53.9	58.0	60.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.5	63.7	59.6	58.7	59.0	54.2	59.5	64.3	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.4	64.1	60.4	57.9	58.9	55.4	58.7	63.7	66.9	N/A	N/A

\*Hourly-Average Leq (dBA)

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

#### Work:

- Elcon installed temporary LCS sign on the pontoons.

Contractor worked between 10:00 p.m. and 3:50 a.m.

#### 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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, January 20, 2020      to      Sunday, January 26, 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 area

Friday, January 24, 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	59.4	57.9	56.2	54.2	55.0	55.3	54.0	56.3	57.4	59.3	61.3
Site 2 - 2015 E. Roanoke St	78	63.3	71.3	60.2	57.9	59.5	57.4	57.0	60.2	61.0	63.3	64.0
Site 3 - 3810 E. McGilvra St	62	50.6	50.2	49.7	49.1	49.1	52.2	50.1	52.1	51.5	51.8	53.6
Site 4 - 2800 Montlake Blvd E	66	69.6	72.9	65.2	63.0	67.9	62.1	61.8	66.1	68.7	69.0	69.8
Site 5 - 2565 22nd Av E.	65	61.1	70.2	57.6	55.0	58.0	55.9	54.7	57.5	57.9	60.7	61.7
Site 6 - 2160 E. Hamlin St	63	58.8	57.7	57.0	55.4	54.8	53.5	53.4	53.6	55.0	56.4	58.3
Site 7 - 2209 E. Lake Wa Blvd	66	59.8	60.5	56.6	54.7	56.6	54.4	53.5	55.9	57.5	58.9	60.9
Site 8 - Portable Between Sites 4 and 6	63	60.3	59.8	57.5	55.1	55.4	54.2	54.3	55.4	56.6	58.3	59.9
Site 9 - Portable Between Sites 1 and 7	66	67.0	66.4	62.0	59.7	60.0	59.6	58.1	62.1	63.7	66.0	67.5
Site 10 - Portable Between Sites 1 and 7	66	66.9	64.5	61.8	59.4	59.3	59.1	57.3	61.7	63.2	66.0	67.3

\*Hourly-Average Leq (dBA)

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

**Work:**

- Contractor setting up for bridge 520/6 demolition and pile driving on the old West Approach Bridge South.
- Contractor worked on pier 2, reinforcing for the footing and wall.

Contractor worked between 7:15 a.m. and 9:00 a.m.

**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

**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, January 20, 2020      to      Sunday, January 26, 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 area

Saturday, January 25, 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	59.7	57.9	55.6	56.0	55.5	54.0	50.6	51.5	54.0	55.3	57.4
Site 2 - 2015 E. Roanoke St	78	65.0	61.3	60.7	60.8	60.3	58.5	55.1	55.8	59.9	60.8	62.3
Site 3 - 3810 E. McGilvra St	62	50.9	50.6	49.1	51.0	54.9	54.8	50.0	48.1	48.2	48.9	51.2
Site 4 - 2800 Montlake Blvd E	66	70.9	66.0	65.5	68.5	65.0	62.1	61.1	63.1	67.3	67.2	68.8
Site 5 - 2565 22nd Av E.	65	63.6	58.8	58.0	58.1	59.3	57.6	52.2	53.4	57.2	58.8	60.5
Site 6 - 2160 E. Hamlin St	63	57.7	56.8	53.4	55.1	55.3	53.5	51.2	53.1	55.4	57.0	59.1
Site 7 - 2209 E. Lake Wa Blvd	66	59.9	57.1	55.2	56.2	54.9	53.0	49.6	51.3	54.3	55.9	57.8
Site 8 - Portable Between Sites 4 and 6	63	58.7	56.7	54.6	55.5	55.3	53.3	50.6	53.0	56.4	57.6	59.5
Site 9 - Portable Between Sites 1 and 7	66	64.3	62.1	60.3	62.2	59.6	57.0	54.2	56.4	60.3	62.4	64.3
Site 10 - Portable Between Sites 1 and 7	66	65.3	63.4	60.6	61.1	58.5	57.3	56.4	56.3	59.5	61.8	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**

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, January 20, 2020 to Sunday, January 26, 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 area

Sunday, January 26, 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	55.3	53.3	51.0	49.8	49.1	49.9	52.5	56.0	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	58.6	55.6	53.1	50.8	53.3	59.1	60.9	63.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.7	47.5	47.1	46.7	46.3	47.0	47.6	48.1	49.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.9	65.1	62.0	59.6	56.9	60.0	65.3	68.2	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.5	56.5	53.8	51.3	49.0	51.2	57.0	58.5	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	56.3	53.2	51.0	49.3	51.1	54.5	57.6	60.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.3	54.1	51.1	49.0	47.2	49.0	53.6	56.5	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.9	56.6	53.2	51.0	49.3	51.5	54.6	57.2	59.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.4	60.1	56.4	53.9	52.1	54.0	58.9	62.4	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	59.5	55.5	54.8	53.2	54.0	58.5	63.6	67.2	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 20, 2020 to Sunday, January 26, 2020

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
No noise-related complaints			