

## SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, November 11, 2019** to **Sunday, November 17, 2019**

**PUBLISHED NOVEMBER 20, 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:** 94

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	3
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	36

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	30
Total Project related non-compliance	8
Total noise issue comments to the project	17
Total non-project related exceedances	526

**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, November 11, 2019 to Sunday, November 17, 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>Monday, November 11, 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	54.3	51.9	51.4	49.5	48.7	48.4	52.1	58.0	61.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	59.9	57.9	55.0	53.9	54.5	59.1	63.3	66.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.4	43.3	44.1	39.0	36.1	40.9	44.8	51.4	53.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	64.1	60.7	58.5	58.8	59.0	64.5	70.0	71.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	57.7	55.9	52.9	51.2	52.6	56.8	60.9	63.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.6	50.7	49.8	46.3	43.7	49.1	49.2	54.1	55.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	53.1	51.4	50.8	46.5	47.1	51.1	57.5	61.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.7	52.9	51.0	48.1	46.2	50.2	51.1	56.4	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.7	59.6	66.7	62.1	55.6	49.9	55.1	61.9	66.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	57.5	54.7	56.5	56.6	56.7	51.6	57.1	63.3	68.2	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Signal pole installation at the intersection of 24th Avenue East and Lake Washington Boulevard  
Contractor worked between 10 p.m. and 1:50 a.m.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

- Site #9, 12 a.m. to 1 a.m. exceedances - portable monitor was 10 feet from the noise source. The reading from the portable monitor was in compliance once moved away from work to a location more representative to the distance to homes. Noise shields were in place between the work and homes.
- Exceedances after 1:50 a.m. 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, November 11, 2019 to Sunday, November 17, 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, November 12, 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	56.0	52.4	49.8	45.2	46.7	48.6	50.8	56.3	61.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	58.0	56.5	55.0	55.8	55.0	57.5	61.6	65.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.9	41.0	39.3	34.5	36.8	37.7	41.6	45.8	50.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.2	63.7	60.5	57.6	60.6	58.8	64.4	67.7	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	55.8	54.0	52.4	51.9	52.4	54.3	58.6	63.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.7	52.9	48.4	41.8	44.8	47.4	48.2	51.5	55.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.1	51.9	49.4	45.3	47.0	47.8	50.3	55.4	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	53.9	50.6	45.2	48.9	49.0	50.3	53.6	57.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.5	55.1	52.0	47.3	48.9	53.5	54.8	59.6	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.0	57.6	55.0	49.6	50.9	52.6	56.7	61.4	66.5	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

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

Monday, November 11, 2019 to Sunday, November 17, 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, November 13, 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	55.0	52.4	49.2	48.1	49.8	48.9	52.4	56.0	61.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.4	60.3	57.2	60.4	54.9	56.8	58.4	62.7	64.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.2	46.8	45.7	45.7	46.2	46.1	46.8	49.3	51.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	69.1	64.1	60.3	66.9	58.1	58.9	64.5	67.8	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.6	57.7	54.8	55.9	52.9	54.0	55.6	60.0	62.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.6	49.2	48.6	47.9	49.6	50.7	49.6	53.1	56.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.4	53.3	50.4	51.3	50.1	51.4	51.7	55.3	60.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.4	51.4	50.4	51.5	50.7	50.2	52.3	55.4	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.2	58.4	54.5	56.8	54.3	57.2	57.2	61.2	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.0	55.6	51.5	50.4	55.4	53.1	58.2	61.4	66.3	N/A	N/A
*Hourly-Average Leq (dBA)												

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

**Work:**

- Signal pole installation at 24th Avenue East.
- Portable Site #9 was relocated due to construction near its original location. Site #9 is relocated to the sidewalk near Site #7.
- Contractor worked between 10 p.m. and 3:55 a.m.

**Public Comments:**

4:12 p.m. - November 13th - a call to the hotline was received from a resident on East Lake Washington Blvd regarding work on Sunday, Nov. 10. See Public Notice Log for additional details.

**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, November 11, 2019 to Sunday, November 17, 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>Thursday, November 14, 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	54.3	51.9	50.0	47.6	51.3	48.1	54.4	57.6	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.4	58.3	56.4	54.2	54.3	54.1	58.9	63.4	64.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.5	47.3	46.7	45.7	46.3	45.5	50.9	54.7	50.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.4	64.3	62.7	59.9	58.5	59.0	66.6	70.7	71.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	56.4	54.2	52.2	52.6	51.9	58.3	61.4	61.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.5	55.0	52.8	49.4	50.8	48.1	54.7	57.2	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	52.4	50.4	49.0	49.0	46.2	53.4	57.5	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	54.4	52.5	48.8	50.2	47.6	54.9	58.1	60.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.3	56.4	54.8	53.6	54.2	50.7	58.9	64.6	66.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.4	54.2	51.9	50.4	58.8	51.4	57.6	63.4	65.7	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

-Span wire for 24th Ave signal.  
 -Contractor worked between 10 p.m. and 1:50 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

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

Monday, November 11, 2019 to Sunday, November 17, 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>Friday, November 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	56.6	55.0	53.1	51.0	51.3	47.5	51.2	52.6	55.1	57.0	59.5
Site 2 - 2015 E. Roanoke St	78	61.9	60.3	59.6	57.1	56.1	54.0	54.0	56.4	60.1	61.1	63.1
Site 3 - 3810 E. McGilvra St	62	47.7	46.8	46.5	45.8	46.3	45.2	45.3	45.9	48.0	48.2	51.6
Site 4 - 2800 Montlake Blvd E	66	72.2	65.8	65.5	62.6	61.4	59.7	60.3	62.6	66.8	67.3	68.6
Site 5 - 2565 22nd Av E.	65	59.5	57.7	56.1	54.5	53.3	51.5	51.5	53.8	58.2	58.6	61.1
Site 6 - 2160 E. Hamlin St	63	55.3	54.4	53.9	53.1	52.1	47.7	47.4	50.1	54.5	54.6	57.4
Site 7 - 2209 E. Lake Wa Blvd	66	55.7	53.8	52.6	50.4	49.7	46.1	46.0	49.1	53.6	55.5	57.6
Site 8 - Portable Between Sites 4 and 6	63	56.6	55.0	53.9	52.3	52.3	47.8	47.6	51.3	56.1	55.1	58.5
Site 9 - Portable Between Sites 1 and 7	66	61.2	59.1	57.4	54.9	54.3	50.5	51.0	54.8	59.2	61.7	63.5
Site 10 - Portable Between Sites 1 and 7	66	62.7	60.7	57.6	55.2	54.4	50.6	53.3	56.2	59.8	63.0	66.8

\*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

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

Monday, November 11, 2019 to Sunday, November 17, 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>Saturday, November 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	57.5	56.5	54.4	52.9	51.2	50.3	49.5	52.0	63.8	55.8	58.9
Site 2 - 2015 E. Roanoke St	78	61.9	61.0	59.6	57.5	55.6	58.2	54.6	56.7	63.8	60.8	63.3
Site 3 - 3810 E. McGilvra St	62	48.2	47.5	46.8	46.7	46.4	46.8	45.9	48.1	47.8	49.1	51.2
Site 4 - 2800 Montlake Blvd E	66	67.4	66.3	64.5	63.1	60.9	65.5	60.5	63.5	70.1	68.8	70.0
Site 5 - 2565 22nd Av E.	65	59.7	58.5	57.0	55.0	53.3	55.0	52.5	55.3	58.3	58.3	61.3
Site 6 - 2160 E. Hamlin St	63	57.8	56.6	54.0	54.6	52.5	51.8	49.6	51.6	54.9	55.9	58.2
Site 7 - 2209 E. Lake Wa Blvd	66	56.6	56.0	54.3	52.7	51.0	52.4	47.9	50.9	61.6	55.1	58.4
Site 8 - Portable Between Sites 4 and 6	63	57.6	56.2	54.7	53.9	52.4	54.1	50.4	53.0	55.9	56.6	59.0
Site 9 - Portable Between Sites 1 and 7	66	62.5	61.6	60.4	58.3	55.8	59.7	53.5	57.1	74.4	61.6	66.6
Site 10 - Portable Between Sites 1 and 7	66	63.9	63.1	59.7	57.6	54.8	53.5	52.6	55.5	69.0	60.8	65.9

\*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.  
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 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, November 11, 2019 to Sunday, November 17, 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>Sunday, November 17, 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	56.0	53.5	51.2	49.7	47.9	48.3	51.7	56.2	61.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	58.5	56.4	54.3	52.8	57.5	58.2	61.6	63.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.0	46.9	46.1	46.2	45.3	45.4	46.3	48.6	50.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	64.2	61.9	58.5	57.5	59.2	64.2	67.2	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	56.1	53.8	52.4	50.3	52.8	55.5	58.9	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	51.4	49.4	50.1	46.5	46.3	50.2	53.2	56.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	53.0	50.4	48.2	45.8	48.3	50.7	55.4	60.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	53.2	51.3	51.1	48.0	47.0	52.0	55.4	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.9	58.7	55.6	52.7	50.7	53.7	55.9	60.9	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.1	58.6	55.6	52.4	50.9	51.8	56.2	61.3	66.6	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

**SR 520 Montlake to Lake Washington I/C and Bridge Replacement Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**

Monday, November 11, 2019 to Sunday, November 17, 2019

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>
11/13/19 - 4:12pm	To: Hotline From: Resident	The resident on E Lake Washington Blvd, called and said he and his wife were disturbed by compression brakes between 11 pm and midnight on Sunday night (November 10th, 2019). He said over all the weekend wasn't bad, but the brakes were quite jarring and he hoped we would be able to avoid them in the future.	Per the contractor, there were no compression brakes used on Sunday night. Work performed between 10 p.m. Friday 11/8/19 and 5 a.m. Monday 11/11/19 was covered under the Temporary Noise Variance permit #6755617-NV.