



SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, January 27, 2020** to **Sunday, February 2, 2020**

PUBLISHED FEBRUARY 05, 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: **171**

WEEKLY TOTALS

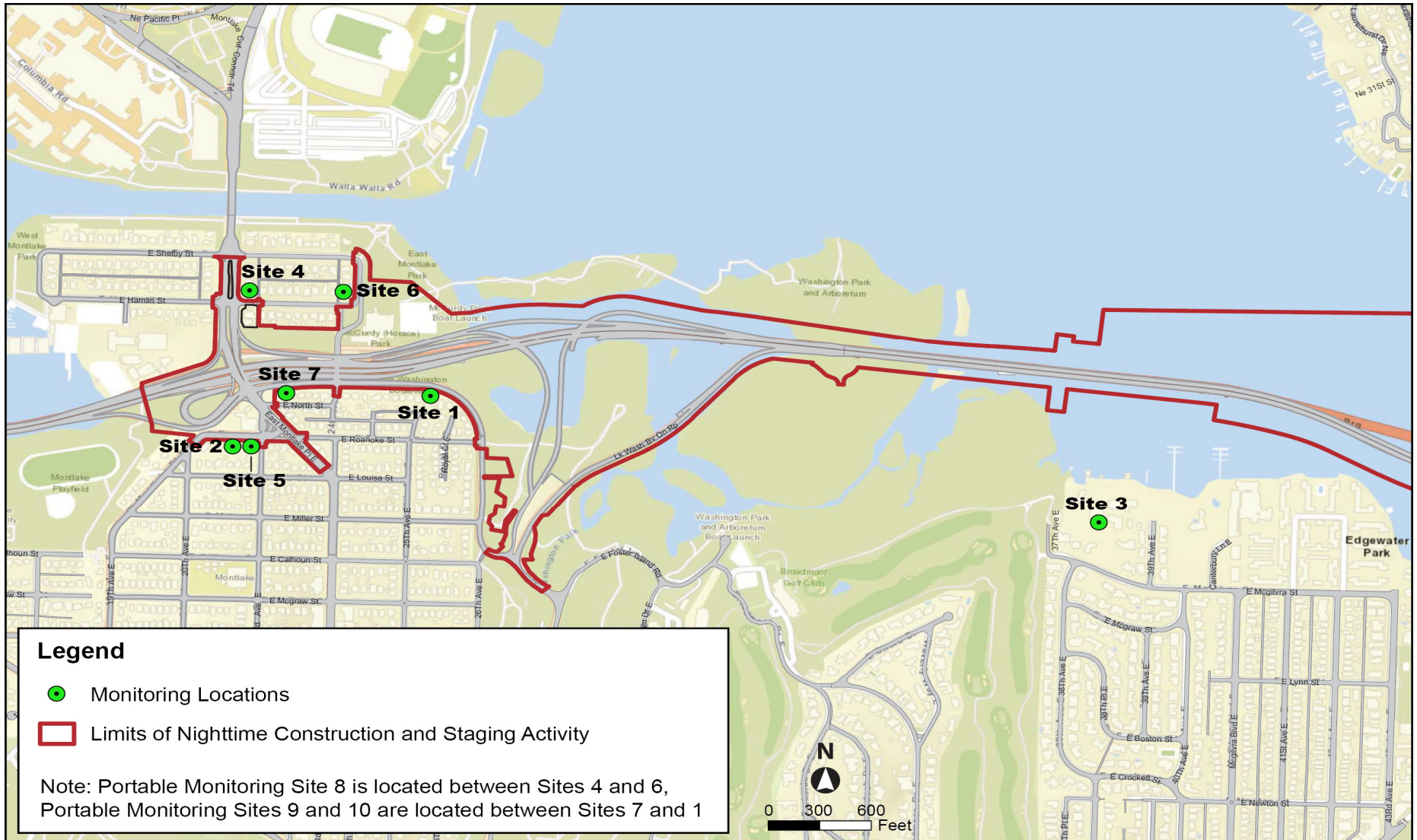
Nights worked this week (under the MPPCNV)	2
Project related non-compliance this week	1
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	66

PROJECT TOTALS TO DATE

Total Nights Worked (under the MPPCNV)	60
Total Project related non-compliance	13
Total noise issue comments to the project	21
Total non-project related exceedances	987

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 27, 2020 to Sunday, February 2, 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 27, 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	59.5	54.3	56.3	50.5	49.6	50.9	53.2	59.2	62.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	64.7	59.6	61.1	70.1	55.5	54.7	57.6	63.2	67.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	53.6	47.8	51.5	45.7	44.8	45.9	46.1	51.2	55.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	70.2	66.2	64.6	64.9	66.2	60.8	64.3	70.6	74.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	67.5	57.3	67.3	68.7	52.2	52.8	54.0	63.8	70.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.6	55.6	55.0	52.2	51.0	53.0	53.5	56.8	60.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.2	54.5	55.8	54.4	49.4	50.5	53.3	58.9	63.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.6	56.0	55.2	52.5	51.3	53.3	53.9	58.2	62.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.7	59.9	58.6	57.0	54.0	55.3	58.4	65.3	70.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.0	61.0	59.0	57.5	53.6	55.0	58.6	65.5	70.1	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 27, 2020 to Sunday, February 2, 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 28, 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	56.1	53.2	50.1	49.9	48.3	48.7	54.1	56.5	60.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	58.8	54.8	53.7	53.7	53.7	57.0	60.8	64.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.9	45.4	44.2	44.6	44.3	44.1	46.9	46.6	48.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.1	64.7	61.3	58.9	59.8	67.4	64.3	68.3	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.9	56.6	52.7	51.4	51.3	50.9	54.1	58.0	62.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.7	54.1	51.8	50.8	49.1	49.0	54.0	56.5	58.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.3	53.5	50.2	49.2	47.5	47.9	52.2	56.4	60.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	55.1	51.2	51.3	49.5	48.9	53.4	56.7	59.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.8	59.1	55.0	54.8	52.0	53.3	57.2	62.3	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	59.9	54.3	55.5	51.6	52.9	59.0	62.9	67.7	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, January 27, 2020 to Sunday, February 2, 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 29, 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	57.6	54.7	52.5	51.4	51.1	51.8	53.9	57.6	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.5	58.8	57.1	56.0	57.6	54.7	58.9	61.5	65.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.4	47.8	47.5	47.4	48.0	47.4	49.3	50.4	51.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.0	64.9	61.9	61.7	58.7	60.8	65.0	68.5	71.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.4	56.8	54.3	53.7	59.8	52.1	56.5	58.6	61.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.9	53.1	51.5	48.5	49.0	48.8	53.6	54.9	55.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.5	59.7	53.6	54.4	53.8	52.0	54.4	57.6	60.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.3	53.7	54.4	53.2	54.5	51.0	55.2	56.6	57.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.3	62.6	58.1	56.7	56.0	60.1	59.0	64.8	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.9	62.6	58.9	58.2	57.0	58.7	59.7	64.7	68.0	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

- Contractor worked between 10 p.m. and 2:55 a.m. to mobilization at the North and South pits for waterline work.

Portable Monitor #9 is now located at the intersection of 24th Ave E and E Lake Washington Blvd.

Public Comments:

8:55pm - January 29th - a call to the hotline was received outside of MPPCNV monitoring hours (call was received before the monitoring start time of 10 p.m.) from a resident near portable site #8 to complain of noise from work on the North Pit. Resident said it sounded like concrete cutting or grinding. Resident required a follow-up. **See Public Notice Log for additional details.**

Exceedances:

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

Non-Compliance:

- The contractor had one equipment with a tonal back-up alarm, equipment was noticed near the end of the shift.

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 27, 2020 to Sunday, February 2, 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 30, 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	57.9	54.9	51.5	49.8	50.1	50.9	53.6	56.5	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.2	63.4	57.3	54.8	53.9	54.9	57.5	61.3	64.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	51.3	49.9	48.3	47.6	47.6	48.2	49.3	49.5	50.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.8	72.1	64.2	60.6	59.1	60.7	65.7	69.0	71.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.0	61.2	55.0	52.5	51.9	53.1	54.5	58.6	61.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	56.7	54.5	52.8	52.4	53.0	54.6	58.3	61.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.3	58.3	52.3	50.4	50.1	50.7	53.2	57.2	60.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.2	57.8	54.5	52.7	52.6	53.3	54.4	58.5	61.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.7	62.9	57.5	55.6	54.9	56.4	60.3	64.2	68.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.2	62.7	57.5	54.7	54.4	56.2	59.0	64.0	67.6	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.

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
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Monday, January 27, 2020 to Sunday, February 2, 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 31, 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	57.5	56.1	56.4	55.5	56.7	54.9	54.3	57.1	58.5	59.3
Site 2 - 2015 E. Roanoke St	78	64.5	62.8	61.0	61.2	60.1	61.2	59.4	59.7	62.3	62.8	64.4
Site 3 - 3810 E. McGilvra St	62	49.8	50.4	50.9	53.9	53.6	55.7	54.4	52.8	53.1	50.8	50.9
Site 4 - 2800 Montlake Blvd E	66	70.2	70.5	67.2	66.5	64.8	63.3	63.8	66.6	70.0	70.0	70.4
Site 5 - 2565 22nd Av E.	65	62.1	61.0	59.6	67.1	65.1	69.0	66.5	63.7	62.4	62.2	62.3
Site 6 - 2160 E. Hamlin St	63	58.4	59.1	57.6	57.5	56.4	55.9	55.1	56.1	58.9	59.3	60.9
Site 7 - 2209 E. Lake Wa Blvd	66	58.8	58.0	56.4	56.3	55.0	56.0	54.0	54.1	57.2	58.8	60.2
Site 8 - Portable Between Sites 4 and 6	63	59.5	59.7	57.9	57.7	56.6	56.7	55.8	56.2	59.2	59.3	61.4
Site 9 - Portable Between Sites 1 and 7	66	65.3	64.7	62.8	61.7	59.5	59.0	57.4	60.8	64.6	71.5	66.9
Site 10 - Portable Between Sites 1 and 7	66	66.7	66.3	63.2	61.0	60.7	60.0	58.8	61.4	64.6	67.7	67.3

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

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

- set up for 520 bridge demolition and pile driving on the old West Approach Bridge South.
- Excavate, lag and install walers at the North Shaft for waterline work.

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 27, 2020 to Sunday, February 2, 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, February 1, 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	59.0	57.1	55.8	54.1	52.5	52.8	49.3	50.3	53.1	57.3	58.3
Site 2 - 2015 E. Roanoke St	78	62.3	61.5	61.1	66.5	57.9	56.1	53.9	55.7	58.5	60.8	64.9
Site 3 - 3810 E. McGilvra St	62	48.4	47.7	49.7	47.8	47.0	46.6	46.5	46.4	47.0	48.8	49.4
Site 4 - 2800 Montlake Blvd E	66	68.2	67.0	71.1	68.5	63.1	61.0	60.6	63.4	66.9	66.9	69.4
Site 5 - 2565 22nd Av E.	65	59.8	58.7	58.1	59.2	55.1	53.9	51.7	52.9	55.7	58.1	68.8
Site 6 - 2160 E. Hamlin St	63	58.3	54.5	51.5	53.9	52.9	52.9	50.3	50.9	53.5	55.7	56.5
Site 7 - 2209 E. Lake Wa Blvd	66	58.8	56.8	55.7	63.0	53.1	52.0	50.3	50.7	53.6	58.3	59.1
Site 8 - Portable Between Sites 4 and 6	63	59.0	56.2	54.4	55.1	53.8	53.8	50.9	51.5	54.1	57.2	58.4
Site 9 - Portable Between Sites 1 and 7	66	64.3	62.5	60.4	69.8	57.9	58.0	55.4	55.0	58.1	79.2	63.8
Site 10 - Portable Between Sites 1 and 7	66	66.4	64.5	61.5	61.5	59.0	58.4	54.8	56.7	59.8	69.5	66.4
*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
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Monday, January 27, 2020 to Sunday, February 2, 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, February 2, 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	55.4	52.7	52.0	50.0	49.0	49.4	52.1	57.6	61.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.0	58.4	57.8	55.6	54.6	56.6	60.0	63.2	65.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.0	46.7	46.9	46.5	46.3	45.7	46.9	48.5	50.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.0	65.1	62.9	60.7	60.1	61.0	65.5	69.6	71.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.9	56.1	55.4	53.0	51.6	54.2	57.2	60.2	62.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	53.2	51.7	48.5	48.2	46.6	49.9	51.5	54.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.3	52.8	52.4	51.4	48.9	51.0	52.7	57.4	60.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.8	53.4	53.4	50.1	49.8	48.6	52.0	54.3	56.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.3	57.3	57.3	58.0	52.9	57.1	57.7	64.1	67.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.2	59.1	57.8	55.6	53.5	55.1	58.0	64.3	68.3	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

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

[illegible]