

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, February 3, 2020** to **Sunday, February 9, 2020**

PUBLISHED FEBRUARY 12, 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: **178**

WEEKLY TOTALS

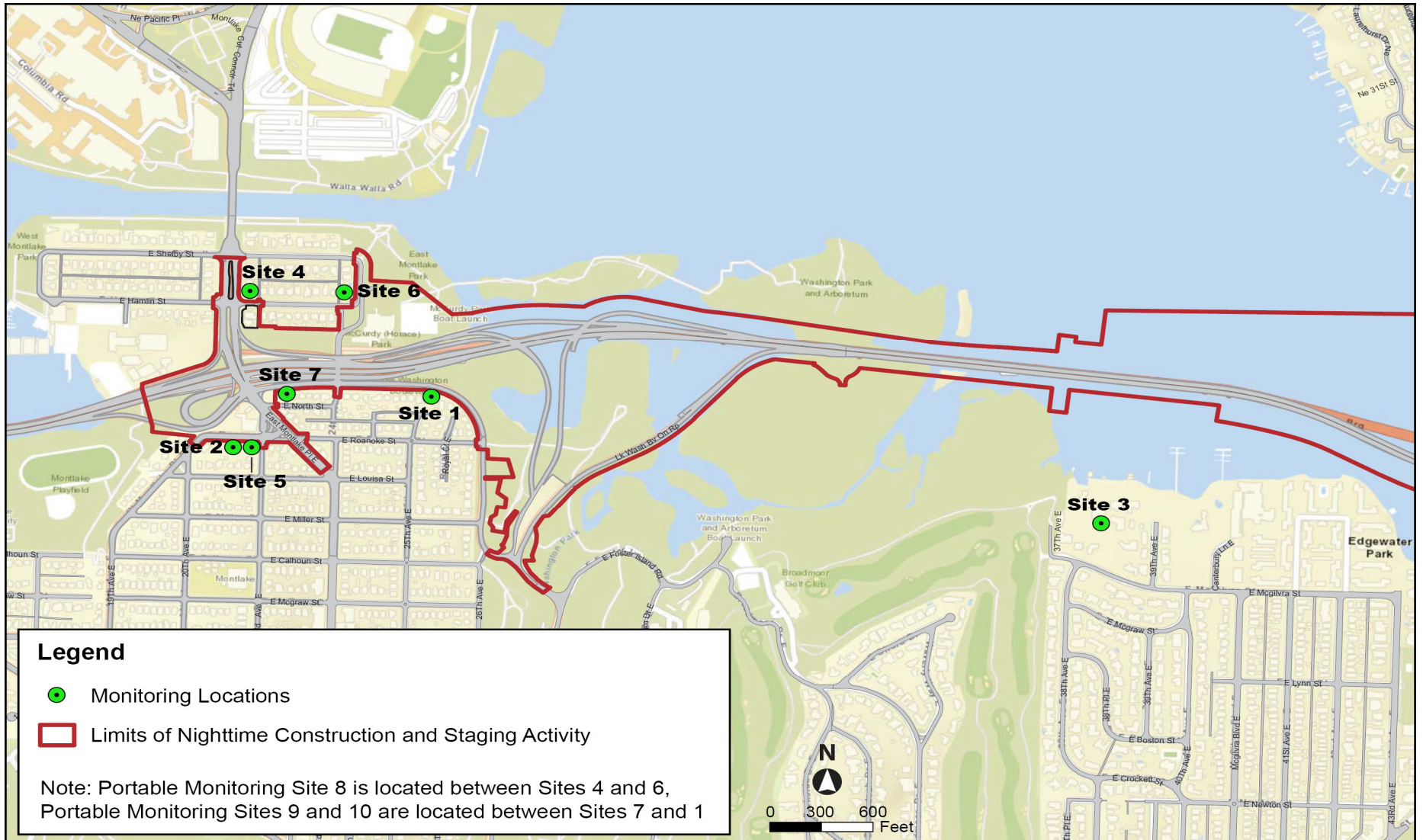
Nights worked this week (under the MPPCNV)	3
Project related non-compliance this week	4
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	54

PROJECT TOTALS TO DATE

Total Nights Worked (under the MPPCNV)	63
Total Project related non-compliance	17
Total noise issue comments to the project	22
Total non-project related exceedances	1041

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, February 3, 2020 to Sunday, February 9, 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, February 3, 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	53.8	52.4	50.4	49.8	51.2	53.6	56.1	60.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	59.2	56.7	54.8	53.5	54.2	57.4	60.8	63.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.2	46.7	46.1	45.7	46.3	46.8	48.3	47.8	49.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.5	64.3	62.0	60.3	58.2	61.0	64.5	68.4	70.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	56.6	54.1	52.3	51.3	51.3	54.4	57.7	61.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.6	53.5	53.3	50.3	49.6	51.2	50.3	55.1	57.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.8	53.9	51.9	50.4	49.8	51.1	52.9	55.4	59.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.1	54.7	53.4	50.4	50.9	51.6	52.0	55.5	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	66.0	58.9	56.1	54.3	53.9	58.4	61.4	61.8	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	59.9	57.9	55.6	53.8	57.3	59.4	62.8	67.4	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, February 3, 2020 to Sunday, February 9, 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, February 4, 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	56.8	55.8	54.7	53.5	53.4	53.3	55.0	57.9	62.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.3	60.9	59.5	58.4	58.6	59.0	61.5	63.6	65.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.9	50.5	54.2	54.6	54.9	54.8	56.0	54.7	55.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.7	66.6	65.0	62.4	62.2	63.1	68.0	69.6	73.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.0	58.4	58.9	58.6	60.4	62.2	65.8	62.4	65.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	55.0	52.5	55.9	50.4	51.0	52.2	54.9	59.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.0	55.9	54.0	52.1	51.7	51.9	54.1	58.0	62.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.6	55.8	53.7	51.4	51.3	51.1	53.3	56.7	61.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.0	65.9	59.0	57.0	54.9	55.2	58.5	64.9	68.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.6	63.6	60.3	56.5	57.1	57.3	59.6	65.1	69.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Contractor worked between 10:00 p.m and 10:50 p.m to deliver piles at the south pit for the 54" waterline near the corner of East North Street and Montlake Boulevard.

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, February 3, 2020 to Sunday, February 9, 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, February 5, 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	57.2	54.9	51.6	52.1	51.6	51.8	53.5	59.2	62.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.2	60.7	58.7	57.9	57.6	57.5	59.9	63.8	65.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	51.4	50.2	50.5	52.9	52.9	52.7	51.8	55.3	56.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.6	65.8	64.0	62.3	61.2	62.0	66.8	70.9	73.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.7	57.9	55.7	55.6	56.5	56.0	56.8	63.9	66.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.3	51.3	48.1	49.3	49.6	49.4	50.0	55.0	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.5	54.4	51.7	50.6	50.3	50.6	53.2	58.9	62.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.5	54.0	51.1	51.1	51.5	51.0	52.6	57.6	60.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.3	61.0	58.7	57.0	55.3	56.3	60.7	66.5	69.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.0	62.5	58.1	58.8	55.4	57.9	59.7	66.4	69.4	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

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

Monday, February 3, 2020 to Sunday, February 9, 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, February 6, 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	56.9	54.7	52.5	51.3	51.9	52.9	53.5	57.9	61.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.6	60.7	57.9	56.3	56.1	57.8	59.6	62.5	64.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.0	48.1	48.7	48.2	50.9	53.3	51.0	50.1	52.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.5	65.7	62.8	62.0	62.0	62.9	66.4	69.0	71.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.2	58.0	55.5	53.6	53.6	56.0	56.3	59.2	62.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	51.1	48.7	47.9	46.7	49.9	51.6	53.5	56.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.1	54.2	52.1	51.0	50.7	51.7	54.3	58.1	61.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.1	54.2	51.7	50.8	50.0	51.9	54.6	57.1	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.3	60.5	61.8	56.8	56.2	57.4	60.2	66.1	68.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.3	62.2	59.0	58.1	56.8	59.6	59.9	65.7	68.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Contractor worked between 10:00 p.m and 5:40 a.m to:

- Pave the shoulder access at the north pit for the 54" waterline near the westbound off-ramp to Montlake Boulevard.
- Investigate at the sign bridge near pontoon F.
- Mobilize at the north pit.

Public Comments:

5:38 a.m. - February 7th - A resident near noise monitor #2 sent a text to the hotline to complain about construction noise throughout the night from the north pit. See public notice log on last page for additional details.

Exceedances:

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

Non-Compliance:

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

Legend

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

Monday, February 3, 2020 to Sunday, February 9, 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, February 7, 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	58.2	56.9	55.6	54.6	52.8	49.7	54.0	53.8	56.2	57.3	63.5
Site 2 - 2015 E. Roanoke St	78	63.6	61.7	59.7	58.8	57.1	55.1	57.4	59.7	60.2	61.0	64.2
Site 3 - 3810 E. McGilvra St	62	52.4	51.9	50.5	49.6	49.3	46.5	51.3	48.6	48.7	48.6	50.9
Site 4 - 2800 Montlake Blvd E	66	68.7	68.0	65.0	63.8	61.5	58.5	62.6	65.2	68.1	68.3	70.2
Site 5 - 2565 22nd Av E.	65	62.2	59.9	58.4	56.6	55.3	52.9	56.4	57.2	57.5	58.3	62.1
Site 6 - 2160 E. Hamlin St	63	61.3	59.8	58.1	56.0	54.6	49.7	50.0	52.5	57.3	57.6	59.2
Site 7 - 2209 E. Lake Wa Blvd	66	59.8	57.8	56.4	54.0	52.0	48.8	51.6	53.3	56.5	57.2	60.1
Site 8 - Portable Between Sites 4 and 6	63	61.5	60.0	58.5	57.5	55.8	51.7	52.7	54.6	57.6	57.7	59.8
Site 9 - Portable Between Sites 1 and 7	66	64.1	63.6	61.2	62.8	61.9	53.0	56.1	58.9	62.7	63.7	66.9
Site 10 - Portable Between Sites 1 and 7	66	65.4	63.9	61.3	60.1	56.8	53.2	57.9	59.8	63.2	64.8	66.8

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Contractor worked between 10:00 p.m and 9:00 a.m to:
 - Haul out equipment on the south pit of the 54" waterline near the Information Center.
 - Replace barrier on eastbound SR-520.
 - Set up for work on Saturday.

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:

The contractor had three vehicles on-site with tonal back up alarms. Two of the vehicles with backup alarms were turned off before continuing work.

Legend

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, February 3, 2020 to Sunday, February 9, 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 8, 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	60.4	57.5	55.8	53.8	52.8	50.4	49.8	52.0	56.0	57.5	58.2
Site 2 - 2015 E. Roanoke St	78	64.7	63.7	61.3	61.7	59.3	56.2	56.5	58.4	60.8	61.1	72.1
Site 3 - 3810 E. McGilvra St	62	49.6	48.9	48.1	47.4	47.4	47.1	47.2	47.2	48.5	49.9	49.0
Site 4 - 2800 Montlake Blvd E	66	69.9	66.4	64.8	66.8	62.1	59.0	60.0	62.7	66.7	67.5	72.2
Site 5 - 2565 22nd Av E.	65	61.9	61.0	58.5	61.1	56.7	53.7	53.9	56.0	58.4	58.6	70.0
Site 6 - 2160 E. Hamlin St	63	60.5	54.5	55.9	52.7	52.7	51.7	49.3	52.1	56.9	56.7	52.4
Site 7 - 2209 E. Lake Wa Blvd	66	60.0	57.2	55.7	55.0	53.0	50.4	49.2	52.0	55.5	57.3	58.9
Site 8 - Portable Between Sites 4 and 6	63	61.6	56.0	56.5	54.5	54.5	52.3	50.7	53.5	57.4	56.8	54.4
Site 9 - Portable Between Sites 1 and 7	66	65.2	63.0	61.2	66.5	58.4	54.8	53.9	56.8	60.4	70.2	64.9
Site 10 - Portable Between Sites 1 and 7	66	66.9	64.3	61.9	59.4	57.8	55.4	56.0	57.4	61.3	65.3	66.5
*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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Major Public Project Construction Noise Variance
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Monday, February 3, 2020 to Sunday, February 9, 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 9, 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	56.0	51.6	51.4	49.0	50.4	53.0	57.3	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.1	60.0	56.9	55.0	53.9	57.9	58.2	61.6	64.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.6	48.0	46.6	47.1	46.5	47.1	46.6	48.1	50.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.9	64.4	61.5	59.4	58.9	61.0	67.3	68.2	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	57.4	54.7	53.1	51.6	58.5	55.8	58.8	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.4	56.1	53.1	51.3	49.6	50.8	52.5	52.0	54.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.1	55.2	51.0	49.9	47.9	52.0	53.5	56.1	60.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.3	56.4	53.2	53.4	51.1	52.3	53.4	54.2	57.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.5	61.6	55.1	54.6	52.4	56.1	58.3	62.4	70.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	61.7	56.8	57.2	52.7	55.4	58.0	63.2	68.0	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]