

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, May 31, 2021** to **Sunday, June 6, 2021**

PUBLISHED JUNE 9, 2021

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

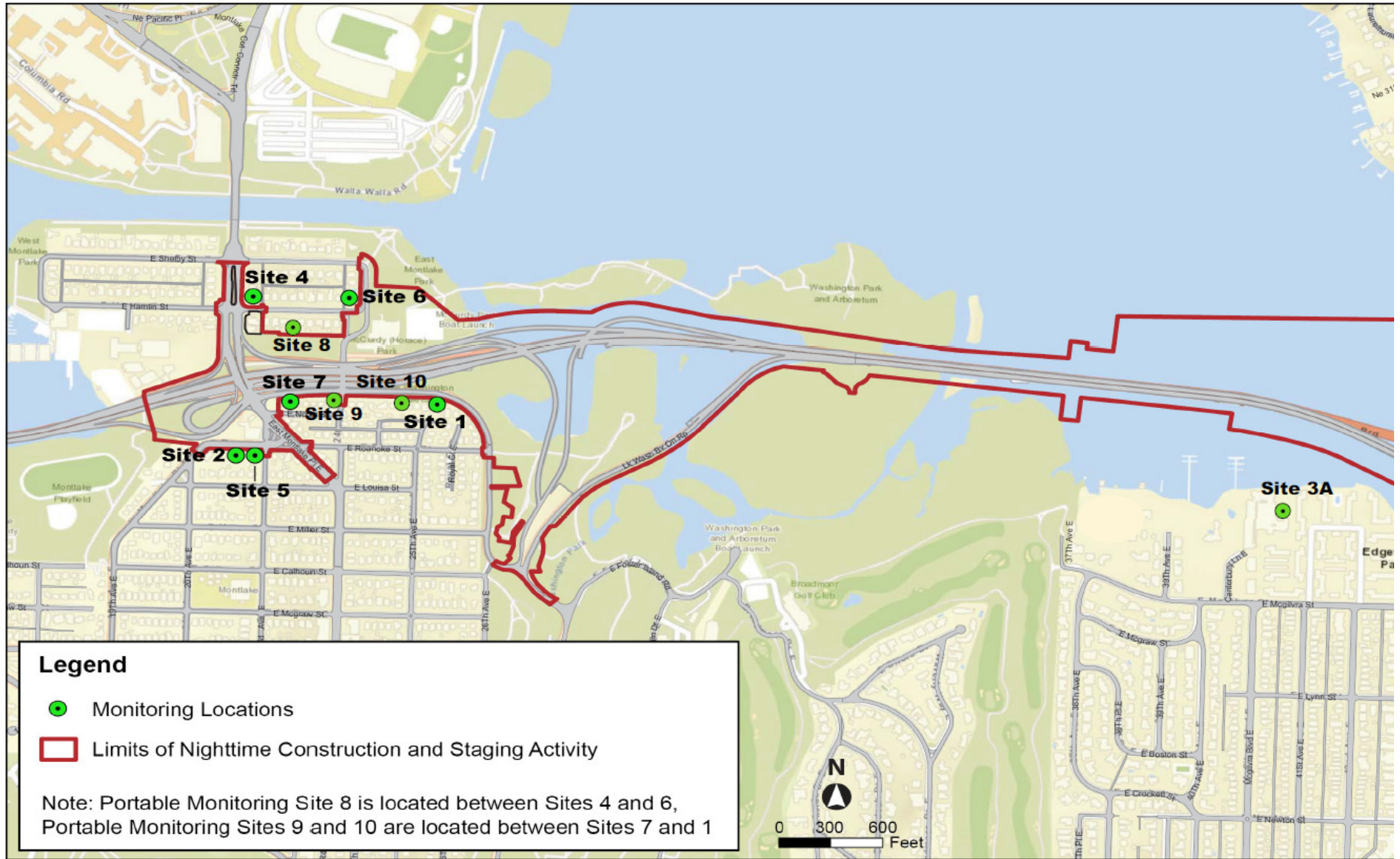
MPPCNV days to date: 661

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	2
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	26

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	272
Total Project related non-compliance	58
Total noise issue comments to the project	59
Total non-project related exceedances	2634

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, May 31, 2021 to Sunday, June 6, 2021 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, May 31, 2021												
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	52.1	51.3	47.3	45.1	48.8	50.9	56.3	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.0	57.6	56.7	53.5	52.9	54.0	56.4	62.2	62.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.0	47.9	47.1	44.4	42.3	44.0	48.0	52.5	62.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	62.3	60.1	57.4	58.0	57.9	62.5	68.7	71.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	55.7	54.8	51.8	51.1	52.4	54.6	60.0	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.9	52.2	52.0	50.0	45.9	52.1	53.1	57.3	56.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.3	50.3	49.4	47.3	44.6	47.7	50.3	57.0	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.2	52.0	51.0	49.8	47.0	49.9	51.6	55.9	56.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	57.5	57.3	52.8	50.6	54.5	56.9	65.3	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	58.6	57.8	52.6	50.9	52.1	56.9	63.9	67.2	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:

Site(s) 3A, 4, 9 and 10 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, May 31, 2021 to Sunday, June 6, 2021 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, June 1, 2021												
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	55.6	53.0	51.0	52.8	50.6	48.3	52.2	54.8	60.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.0	59.3	57.6	56.3	55.7	55.1	58.5	62.3	62.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	54.0	48.3	47.4	52.6	52.4	45.5	49.3	51.6	52.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	62.6	63.0	58.7	58.4	57.6	63.1	68.0	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.7	57.4	55.4	55.1	54.0	53.2	56.2	60.7	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.6	49.2	50.7	49.5	51.6	49.4	52.8	54.3	53.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.1	53.0	50.9	53.5	52.8	51.7	54.5	53.6	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.7	52.8	50.7	49.7	52.4	51.0	52.2	52.4	52.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.1	63.7	61.2	64.9	61.1	60.1	61.7	62.3	69.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.6	61.0	59.2	66.1	57.1	56.2	59.8	63.1	67.9	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 5:00am to work install form deck soffits on the Montlake lid, install temp camera conduit on pier 2, and pull/vibing out drill shaft from Lake Washington west of Foster Island.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 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, May 31, 2021 to Sunday, June 6, 2021 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

Wednesday, June 2, 2021												
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	51.5	48.1	46.7	46.0	47.3	49.8	54.6	56.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.1	60.1	55.0	53.2	52.4	52.4	56.2	60.1	61.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.3	47.7	44.8	44.6	42.3	42.6	48.5	49.1	51.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	65.0	59.6	57.5	56.7	57.4	63.5	67.9	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.3	58.6	53.4	51.5	51.1	50.6	53.8	58.3	59.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.9	50.0	45.6	48.1	46.8	48.6	54.7	57.1	56.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	50.6	47.5	46.5	45.0	46.0	51.0	53.9	55.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.7	50.6	48.2	48.5	47.4	48.3	50.9	55.1	57.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	58.0	55.3	52.8	51.3	53.2	55.5	62.7	65.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.9	58.8	55.3	53.8	52.4	54.7	55.2	63.1	66.3	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:

Site(s) 4 and 10 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

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, May 31, 2021 to Sunday, June 6, 2021 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, June 3, 2021												
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	54.5	52.9	48.7	46.8	45.5	43.7	48.4	52.8	55.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	58.8	55.4	53.2	51.7	51.5	56.4	61.4	61.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.2	49.1	47.1	52.5	52.1	39.9	47.2	50.1	50.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	63.0	60.0	58.8	57.2	58.9	63.8	68.0	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	57.8	53.5	51.0	49.6	49.5	54.8	59.2	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.7	50.9	46.3	42.8	42.5	45.3	52.3	54.6	55.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	51.4	47.3	47.2	43.9	42.1	47.9	51.5	54.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.8	52.6	48.9	46.5	46.2	45.1	49.8	52.1	54.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	59.9	55.2	57.3	51.7	47.8	54.4	60.9	63.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.2	57.9	54.0	53.8	51.4	48.7	54.8	60.8	64.1	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
 Design-Builder/Seattle City Light worked between 10:00pm and 1:30am to work on pad 5 setting XFMR and pull XFMR primary.

Public Comments:
 No public comments received related to nighttime noise.

Exceedances:
 Site(s) 4 are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:
 None

Legend
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Monday, May 31, 2021 to Sunday, June 6, 2021 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, June 4, 2021												
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	53.1	52.6	53.1	49.1	48.0	47.3	47.1	49.9	51.3	53.2	56.1
Site 2 - 2015 E. Roanoke St	78	59.9	59.9	58.5	54.3	53.3	53.7	52.4	56.0	58.2	59.7	61.9
Site 3A - 3810 E. McGilvra St	62	50.3	49.9	50.6	49.7	48.6	45.5	46.4	49.5	49.1	50.9	54.2
Site 4 - 2800 Montlake Blvd E	66	65.8	65.0	63.1	60.1	58.1	59.4	58.5	64.0	66.7	66.3	67.7
Site 5 - 2565 22nd Av E.	65	58.2	58.4	57.0	52.8	52.0	53.7	51.3	54.5	56.7	58.0	60.6
Site 6 - 2160 E. Hamlin St	63	55.3	55.4	54.7	52.2	54.2	49.4	51.2	55.5	55.7	57.1	59.0
Site 7 - 2209 E. Lake Wa Blvd	66	52.4	52.1	53.0	48.2	47.4	48.7	49.3	50.9	50.9	53.5	55.1
Site 8 - Portable Between Sites 4 and 6	63	54.9	55.3	54.2	51.1	51.3	48.9	50.6	53.2	53.6	54.9	57.7
Site 9 - Portable Between Sites 1 and 7	66	60.7	60.0	62.0	55.2	53.1	54.8	52.3	56.0	58.7	61.1	63.6
Site 10 - Portable Between Sites 1 and 7	66	62.1	60.9	60.0	56.9	54.8	54.1	53.3	57.0	59.0	61.8	65.0

*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:

Site(s) 4 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None.

Legend

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The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Saturday, June 5, 2021												
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	54.0	50.7	48.4	45.8	43.1	44.0	46.8	49.7	53.0	59.9
Site 2 - 2015 E. Roanoke St	78	60.7	59.9	58.1	56.3	54.0	52.2	50.5	53.3	57.1	58.1	59.7
Site 3A - 3810 E. McGilvra St	62	54.1	48.6	49.1	53.1	52.3	42.5	41.3	44.9	46.2	48.1	50.6
Site 4 - 2800 Montlake Blvd E	66	65.9	64.9	63.8	61.7	59.7	59.2	57.5	60.6	65.5	65.2	65.5
Site 5 - 2565 22nd Av E.	65	58.8	58.4	56.3	54.7	52.5	50.6	48.6	51.9	55.4	56.6	58.5
Site 6 - 2160 E. Hamlin St	63	54.0	54.7	52.0	50.8	48.2	46.5	48.8	51.1	51.7	53.4	55.3
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	53.7	50.3	48.4	46.4	44.2	44.6	48.3	49.4	51.4	53.0
Site 8 - Portable Between Sites 4 and 6	63	54.5	55.5	51.7	51.9	48.2	47.9	47.0	49.4	52.8	53.2	56.1
Site 9 - Portable Between Sites 1 and 7	66	62.0	61.1	57.4	55.5	54.2	48.9	50.5	53.6	55.8	59.0	61.4
Site 10 - Portable Between Sites 1 and 7	66	63.3	62.1	58.8	55.9	54.7	49.3	50.8	55.0	57.0	60.7	63.0

*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:

None.

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

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The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Sunday, June 6, 2021												
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	55.8	54.9	55.9	48.5	48.9	51.3	52.0	54.1	57.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.2	61.3	64.5	55.2	57.4	59.3	60.9	62.2	63.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	56.3	53.0	55.9	53.3	53.2	46.8	49.7	51.4	54.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.7	65.5	66.2	60.0	59.5	61.4	65.5	68.9	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.8	63.7	67.6	55.8	58.8	63.3	65.0	61.0	62.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	55.2	55.5	50.1	50.2	50.8	53.0	53.6	57.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	54.9	56.3	48.9	50.3	51.1	51.9	54.1	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	56.0	55.6	51.2	51.2	51.2	53.2	54.1	57.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.7	62.0	60.8	54.4	57.5	54.4	56.0	63.2	66.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.1	61.9	61.2	54.5	54.2	54.3	56.2	63.5	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:

Site(s) 4, 5, 9 and 10 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

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, May 31, 2021 to Sunday, June 6, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
06/01/2021 - 8:48pm	To: Hotline email From: Resident on E. Lake Washington Blvd.	Outside the MPPCNV Monitoring: Resident on E. Lake Washington Blvd emailed the hotline email to state that "Now that the weather is nicer, people have their windows open and are outside in the evenings. Horrible air compressor/spraying and other noises coming from your lid work zone tonight. Why are they working at 8:30 pm? Please do what you can to keep the evening noise down."	Bob Derry (Public Information Manager) called and left a voice mail for the resident "at 11:45 a.m. on 6/2 and explained that we need to work at night on the lid because we are working over live traffic and need to close lanes, which we can't do during the day because of through traffic concerns. Also, as a rule he should expect construction on the project to occur 24 hours per day."