

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, April 12, 2021** to **Sunday, April 18, 2021**

PUBLISHED APRIL 21, 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

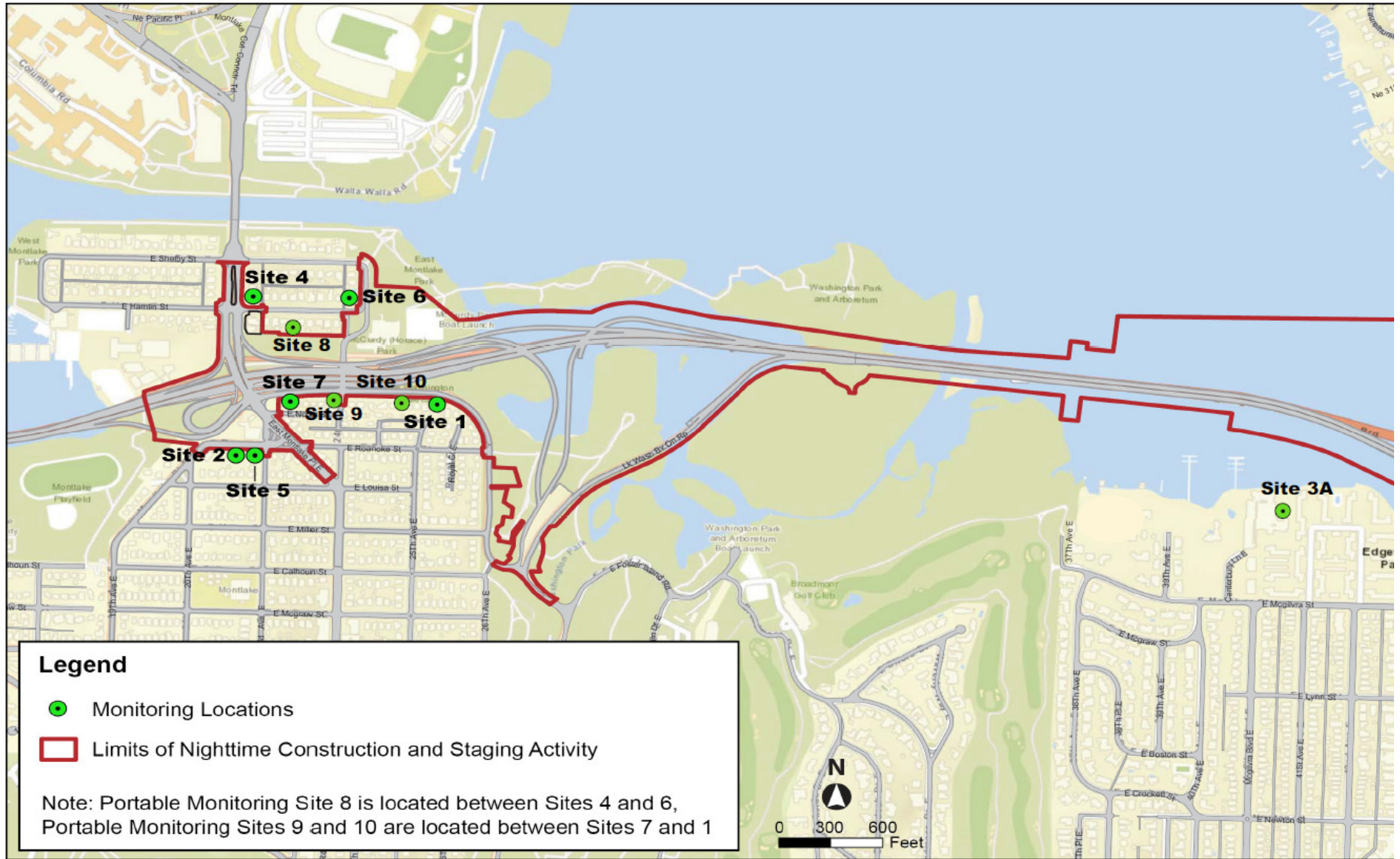
MPPCNV days to date: 612

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	1
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	30

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	242
Total Project related non-compliance	55
Total noise issue comments to the project	55
Total non-project related exceedances	2451

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, April 12, 2021 to Sunday, April 18, 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, April 12, 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	52.9	50.5	48.6	48.6	49.6	53.0	58.5	61.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	58.5	57.1	55.6	55.7	55.4	58.6	63.3	64.8	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.7	48.8	45.1	42.6	41.6	48.5	48.5	52.1	55.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	61.9	60.5	57.7	58.6	58.0	64.7	68.4	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	56.6	55.2	54.0	54.2	54.0	56.7	60.9	62.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.6	50.3	49.5	45.5	48.0	50.0	54.1	58.6	58.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	53.1	53.9	50.0	52.0	59.5	54.3	56.2	60.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.0	52.8	51.6	49.4	53.2	51.1	55.4	58.1	59.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.5	57.8	55.8	52.6	53.7	58.0	57.3	63.3	67.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.3	59.2	56.0	53.0	52.9	54.2	58.5	64.0	67.6	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 7:00am to work on the montlake lid to set form deck soffit, assemble rebar cages, and set up for day work.

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, April 12, 2021 to Sunday, April 18, 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, April 13, 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	55.1	52.1	51.6	50.0	49.6	49.9	52.8	59.1	62.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	57.8	57.4	56.5	56.5	56.2	59.5	62.8	64.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.2	47.1	45.9	44.3	42.9	44.6	49.1	54.2	56.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.5	61.8	59.1	58.2	58.4	59.8	68.3	68.2	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.0	56.4	56.1	55.3	55.3	55.1	57.7	61.0	62.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.4	51.5	51.3	49.7	50.1	48.3	52.9	56.5	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	52.4	56.9	52.7	56.3	57.8	51.6	56.3	59.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.3	52.5	52.8	51.4	52.5	51.1	53.0	58.2	57.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	57.0	58.8	54.1	54.6	59.1	57.3	63.2	66.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	58.3	55.8	54.0	54.2	54.7	58.5	64.4	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 7:00am to work on the montlake lid to set form deck soffit, assemble rebar cages, Crane delivery at MOHAI and set up for day work.

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, April 12, 2021 to Sunday, April 18, 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, April 14, 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	54.1	53.8	54.0	53.0	52.8	53.8	55.6	58.1	62.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	62.9	60.4	59.6	59.5	60.1	62.3	64.9	64.8	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.9	48.2	49.7	48.8	48.8	48.5	50.3	54.1	56.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.9	65.0	62.8	60.1	59.9	60.9	64.7	69.0	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.9	63.1	59.0	58.6	58.4	59.2	61.5	63.0	63.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.7	53.5	54.6	53.3	52.8	54.0	56.4	57.6	59.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	64.1	57.8	57.8	56.1	56.8	57.4	57.8	61.3	59.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.0	55.2	54.4	53.4	52.4	54.3	56.0	57.8	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	57.5	57.7	54.7	55.1	56.5	59.5	66.0	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.5	57.2	57.3	55.7	55.4	56.5	59.2	62.0	67.4	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 7:00am to work on the Montlake lid to set form deck soffit, strip form, set walls on the South pit, assemble rebar cages, and set up for day work.
- Site 9, 5am-6am threshold is triggered by the project but not exceeded. Design-Builder had trucks idling to be loaded and build compression for their brakes on Lake Washington Blvd near site #9. 6am-7am is public traffic related, E Lake Washington Blvd was opened at 6:18am.

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

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= 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, April 12, 2021 to Sunday, April 18, 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, April 15, 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	59.0	52.9	52.0	50.9	49.0	49.5	52.7	58.5	62.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.0	61.2	58.6	57.4	56.6	57.1	59.0	63.3	64.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.9	50.0	49.0	45.0	43.2	44.0	47.2	53.0	56.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	63.0	60.0	58.7	58.1	59.0	63.6	68.4	70.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.5	58.8	56.5	55.4	54.5	54.9	56.6	61.1	62.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	51.8	52.7	50.7	48.7	50.1	55.1	60.0	57.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	60.1	55.0	54.9	51.3	58.8	57.5	52.1	55.8	59.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.0	54.1	53.9	53.0	49.5	50.3	52.4	57.5	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	70.5	57.9	57.5	57.6	57.7	56.3	56.5	63.1	66.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	69.7	58.6	57.0	54.8	52.9	53.4	57.3	63.9	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 7:00am to work on the Montlake lid to set form deck soffit, strip form, assemble rebar cages, and set up for day work.

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

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

Monday, April 12, 2021 to Sunday, April 18, 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, April 16, 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	58.0	56.2	55.0	51.9	54.4	51.8	51.9	54.5	59.0	59.4	59.3
Site 2 - 2015 E. Roanoke St	78	63.4	62.5	60.9	57.6	60.1	56.0	55.2	59.9	62.0	63.4	63.2
Site 3A - 3810 E. McGilvra St	62	52.3	51.6	50.1	47.4	45.1	44.5	42.3	53.9	53.1	53.2	53.9
Site 4 - 2800 Montlake Blvd E	66	66.5	65.0	62.6	60.4	62.3	57.8	58.6	64.3	67.4	68.1	67.2
Site 5 - 2565 22nd Av E.	65	61.2	60.3	58.5	55.5	55.3	54.0	53.5	57.8	59.8	61.2	62.0
Site 6 - 2160 E. Hamlin St	63	55.7	55.5	55.3	52.8	52.3	52.1	51.0	56.1	55.4	54.4	53.4
Site 7 - 2209 E. Lake Wa Blvd	66	56.0	54.5	52.8	50.2	49.8	49.8	49.3	55.9	57.4	57.2	57.5
Site 8 - Portable Between Sites 4 and 6	63	56.7	56.5	55.5	51.9	51.2	52.7	52.6	53.8	54.8	53.9	58.7
Site 9 - Portable Between Sites 1 and 7	66	62.6	60.2	57.8	56.0	56.0	55.9	56.3	59.0	62.2	63.0	60.7
Site 10 - Portable Between Sites 1 and 7	66	64.2	61.6	59.6	56.7	58.8	56.7	56.9	58.8	67.8	63.8	63.0

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to work on the Montlake lid to set form deck soffit, vault cover delivery to the old canal, vault covers delivery to the south pit, drainage installation work at the south treatment area, assemble rebar cages, and set up for day work.

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.

Site 10 is project related. Design-Builder closed Lake Washington Blvd at 5:30am for morning deliveries at the South pit, also drainage installation activities going on across site #10 at the south treatment

Non-Compliance:

None.

Legend

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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, April 12, 2021 to Sunday, April 18, 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

Saturday, April 17, 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	59.2	60.0	59.1	56.4	57.1	57.8	57.0	55.7	54.5	55.3	60.6
Site 2 - 2015 E. Roanoke St	78	62.2	61.4	59.8	57.4	55.0	54.5	53.3	57.3	59.8	60.0	60.8
Site 3A - 3810 E. McGilvra St	62	54.8	52.3	49.1	47.4	44.9	43.5	43.9	51.8	51.2	50.4	53.7
Site 4 - 2800 Montlake Blvd E	66	65.8	64.3	62.6	60.3	57.7	56.9	57.6	63.0	65.8	65.9	66.1
Site 5 - 2565 22nd Av E.	65	60.3	59.5	57.9	55.7	52.9	52.4	51.5	54.7	57.7	57.8	59.0
Site 6 - 2160 E. Hamlin St	63	56.2	56.0	56.5	54.4	52.1	52.5	54.8	54.3	54.8	55.8	55.5
Site 7 - 2209 E. Lake Wa Blvd	66	55.5	54.5	54.2	52.8	52.9	49.5	48.4	50.9	53.6	53.8	55.9
Site 8 - Portable Between Sites 4 and 6	63	56.1	55.0	55.9	54.3	50.7	50.6	51.1	51.6	53.8	53.4	54.3
Site 9 - Portable Between Sites 1 and 7	66	62.3	59.8	59.8	57.7	61.5	57.5	53.8	58.1	59.4	60.5	63.3
Site 10 - Portable Between Sites 1 and 7	66	64.4	64.2	62.9	59.7	61.6	61.5	60.8	58.9	59.6	62.1	66.2

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Design-Builder worked between 10:00pm and 9:00am to work on drainage installation work at the south treatment area, paving.

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

Exceedances:
Site(s) 4 and 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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Monday, April 12, 2021 to Sunday, April 18, 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

Sunday, April 18, 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	54.6	52.2	49.0	48.7	49.2	48.7	51.4	58.5	62.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	59.6	55.4	55.8	53.3	54.6	57.5	64.9	63.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.2	45.4	42.0	42.0	39.7	42.9	45.0	54.8	54.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	66.0	60.7	59.0	56.1	57.7	63.5	67.8	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	57.2	53.1	53.6	51.2	52.4	55.1	63.5	61.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	52.6	49.8	47.3	49.6	49.4	53.3	58.4	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	51.2	47.8	47.5	46.9	47.0	49.5	56.6	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	53.4	49.5	47.7	49.6	49.4	51.1	56.8	57.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.8	57.2	53.3	54.5	52.4	51.2	53.5	62.1	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.6	57.9	54.0	53.9	52.3	52.1	55.1	63.7	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:

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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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, April 12, 2021 to Sunday, April 18, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
04/15/2021 - 6:45 p.m	To: Hotline From: Residents on Hamlin St	Outside the MPPCNV Monitoring: Resident on Hamlin St called the hotline "to say there is a loud noise behind her house and she'd like to know how long it will be going on. She didn't know if it was in the 54" water line area. She described it as machinery revving and that it was a constant noise"	Cheryl Webster (Senior Administrative Assistant) called the resident and "told her it was a concrete pump working across the road from her on the Montlake lid and that the work would be done within the hour. Cheryl texted her when the work was complete at 7:50 p.m."