

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 29, 2021** to **Sunday, April 4, 2021**

PUBLISHED APRIL 7, 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**

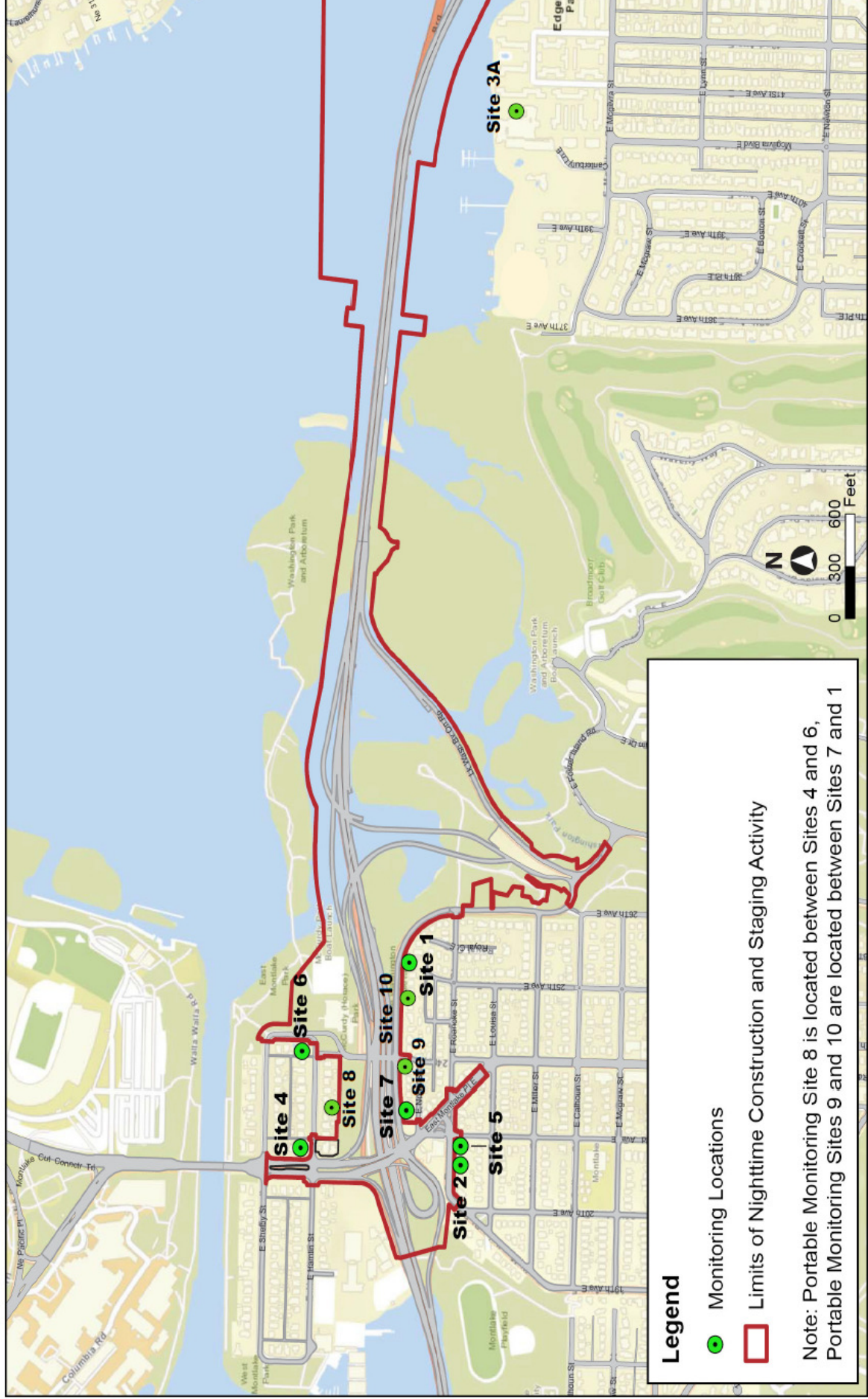
MPPCNV days to date: **598**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	5
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	33

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	231
Total Project related non-compliance	53
Total noise issue comments to the project	53
Total non-project related exceedances	2389

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, March 29, 2021 to Sunday, April 4, 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, March 29, 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	57.4	54.3	53.6	52.6	51.3	52.6	53.4	57.6	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.2	59.1	57.0	55.5	55.5	55.4	58.2	61.7	63.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.1	50.4	47.6	44.0	43.5	44.1	45.7	49.6	54.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	62.8	60.5	59.4	59.0	60.0	64.2	69.1	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	56.8	54.5	53.3	53.3	52.8	55.6	59.0	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	52.8	53.0	49.5	48.3	50.7	51.9	54.8	56.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.3	52.1	52.3	50.3	50.8	51.8	51.3	55.5	59.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	53.7	55.0	51.0	50.6	52.0	52.9	56.8	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	58.1	56.6	57.4	55.6	57.4	56.7	62.8	67.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.7	58.9	58.0	57.6	55.5	57.5	58.3	64.0	67.5	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 5:30am to set pier/platforms on the old West Approach Bridge South, install span 1 intermediate Diaphragms on the Montlake lid, and work on pad 4 pier 2 median area to proof pipe and backfill.

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, March 29, 2021 to Sunday, April 4, 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, March 30, 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	58.1	55.6	54.3	52.7	53.3	53.1	54.7	58.5	61.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.2	59.3	58.5	55.3	55.6	65.5	58.3	62.6	64.2	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.4	48.7	47.3	44.0	44.9	45.3	47.1	51.3	54.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	69.6	62.6	60.9	58.0	58.4	63.0	63.8	68.8	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.7	57.0	55.5	52.8	53.0	62.5	55.6	59.9	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.2	54.9	52.2	49.8	49.6	49.7	52.1	54.8	57.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.0	54.6	55.2	48.9	52.1	52.1	52.4	56.2	59.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	55.2	52.9	50.3	50.8	50.9	52.7	57.4	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.0	58.5	57.1	56.2	55.8	56.7	60.2	63.3	66.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	60.5	59.4	57.5	58.2	58.8	60.3	65.1	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 5:30am to set pier/platforms on the old West Approach Bridge South, install span 1 intermediate Diaphragms on the Montlake lid, and work on pad 4 pier 2 median area to proof pipe and backfill.

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, March 29, 2021 to Sunday, April 4, 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, March 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	56.1	55.5	54.8	53.2	53.0	53.6	55.1	58.8	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	65.1	57.4	61.8	54.3	54.9	58.3	62.0	64.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.1	52.1	48.1	43.1	43.1	43.9	47.4	50.8	54.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.4	66.8	60.8	64.8	57.5	59.1	66.8	68.5	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	61.8	55.1	56.0	52.1	52.9	55.9	59.6	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.6	51.6	52.2	51.9	50.0	51.7	54.1	57.3	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.3	59.8	51.0	50.0	49.6	50.1	51.9	56.5	60.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.7	53.1	52.1	51.8	50.2	51.2	53.5	57.3	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.6	61.7	59.8	56.7	56.8	56.5	58.6	63.0	67.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.3	61.5	60.2	58.5	58.1	58.5	60.0	64.3	68.0	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 5:30am to set pier/platforms on the old West Approach Bridge South, unload delivered casing, install span 1 intermediate Diaphragms/deck on the Montlake lid, and work on pad 4 pier 2 median area to install covers and backfill.

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

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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, March 29, 2021 to Sunday, April 4, 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 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	57.4	55.2	54.2	52.6	51.5	51.6	52.8	55.8	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.3	59.9	57.6	55.4	52.3	52.1	56.1	59.1	61.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.8	50.3	48.0	44.7	44.2	44.4	45.5	47.9	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	63.2	61.4	58.7	57.8	58.7	63.8	67.9	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.4	57.8	55.4	53.2	50.6	50.1	53.6	56.7	59.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.7	54.0	52.2	52.7	50.6	48.9	49.3	53.3	56.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.8	53.4	51.5	49.2	48.8	49.2	50.4	53.1	58.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.0	54.4	53.0	51.4	50.5	48.3	49.9	53.2	55.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	75.7	60.0	57.7	53.7	52.4	54.2	57.2	61.4	65.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.1	61.3	59.9	58.1	56.9	57.8	59.2	63.3	66.9	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 5:30am to set pier/platforms on the old West Approach Bridge South, unload delivered casing, install span 1 intermediate Diaphragms/deck on the Montlake lid, and work on pad 4 pier 2 median area to install covers and backfill.

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.

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Monday, March 29, 2021 to Sunday, April 4, 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 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	56.7	57.0	55.5	55.1	50.6	49.7	49.6	53.9	55.4	58.7	59.5
Site 2 - 2015 E. Roanoke St	78	63.0	63.5	59.4	59.3	55.4	53.8	53.5	58.9	60.7	61.9	62.6
Site 3A - 3810 E. McGilvra St	62	53.0	54.8	54.2	50.7	44.3	41.7	40.3	44.3	49.8	53.4	54.6
Site 4 - 2800 Montlake Blvd E	66	65.9	70.2	62.5	61.8	59.5	58.0	59.2	63.7	67.5	67.7	67.6
Site 5 - 2565 22nd Av E.	65	60.8	61.2	57.6	56.6	53.6	51.9	51.5	58.1	59.1	60.1	60.9
Site 6 - 2160 E. Hamlin St	63	50.5	54.6	53.5	48.3	48.3	47.5	50.2	55.5	56.4	56.9	56.0
Site 7 - 2209 E. Lake Wa Blvd	66	55.1	55.8	54.5	51.4	48.1	47.0	47.6	54.5	56.3	58.1	59.1
Site 8 - Portable Between Sites 4 and 6	63	53.1	57.0	53.4	50.1	49.6	48.0	48.7	52.4	56.9	57.6	56.5
Site 9 - Portable Between Sites 1 and 7	66	61.4	61.7	66.9	56.8	54.2	52.8	52.0	56.3	58.8	63.1	60.8
Site 10 - Portable Between Sites 1 and 7	66	62.8	62.1	60.0	59.4	55.1	54.4	54.7	61.7	58.0	62.7	61.6

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to set pier/platforms on the old West Approach Bridge South, move crane to the south pit to unload Vault Base and full walls, and work on the Montlake lid to set forms/deck.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 and 9 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, March 29, 2021 to Sunday, April 4, 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 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	57.8	55.7	54.4	51.0	49.7	48.9	49.0	51.0	53.3	55.9	58.6
Site 2 - 2015 E. Roanoke St	78	61.8	60.3	58.5	55.5	53.6	52.5	53.8	55.6	59.4	61.1	62.3
Site 3A - 3810 E. McGilvra St	62	53.5	51.6	49.8	47.9	48.5	49.9	49.1	49.5	50.5	51.9	56.0
Site 4 - 2800 Montlake Blvd E	66	66.3	65.8	63.4	59.5	57.5	56.1	59.7	62.4	66.3	66.9	67.1
Site 5 - 2565 22nd Av E.	65	59.8	58.1	56.3	53.2	51.4	50.6	51.6	53.0	57.0	58.8	60.3
Site 6 - 2160 E. Hamlin St	63	52.3	51.8	51.5	48.4	47.9	45.8	46.9	53.1	51.9	50.6	54.0
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	54.6	54.1	49.1	48.0	46.8	47.2	48.5	51.9	54.4	56.4
Site 8 - Portable Between Sites 4 and 6	63	55.1	53.5	53.7	50.2	49.0	47.2	48.0	49.5	51.6	52.2	54.9
Site 9 - Portable Between Sites 1 and 7	66	60.8	61.0	60.8	53.5	53.2	51.2	51.2	54.2	57.0	60.1	62.8
Site 10 - Portable Between Sites 1 and 7	66	63.8	62.0	60.4	55.1	54.0	54.0	53.0	56.2	58.9	62.5	65.2

*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 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.

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Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not 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, April 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	58.1	55.0	52.8	50.9	49.9	51.0	54.0	57.6	60.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	60.2	57.0	56.9	53.4	55.3	57.9	61.5	64.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.0	48.4	45.9	45.3	42.7	43.7	46.9	50.6	54.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	63.3	60.3	59.0	57.5	59.3	64.4	68.4	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	58.0	54.9	54.5	51.3	52.9	55.3	59.0	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.9	54.5	53.2	51.0	50.7	49.8	52.5	55.3	56.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	53.1	50.5	49.4	46.9	47.8	51.2	55.8	59.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.0	54.8	52.9	50.7	50.2	49.7	52.8	56.0	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.1	58.5	56.0	55.1	51.4	52.8	56.4	62.5	68.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.3	59.7	57.3	54.2	53.9	54.9	58.7	63.6	66.9	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, 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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= No contract work . Portable monitors are not being used (not needed).

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NOISE MONITORING - WEEKLY REPORT

Monday, March 29, 2021 to Sunday, April 4, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
03/31/2021 - 8:27p.m	To: Hotline From: Residents on Hamlin St	Outside the MPPCNV Monitoring: Resident on Hamlin St called the hotline to called the hotline "to say there was a generator operating near her bedroom window and wanted to know what time it would be shutting down. She said they'd noticed it since they came home at 3:30. There are also banging noises from the work pit."	Bob Derry (Public Information Manager) called the resident and notified her that the generator was turned off by 9:00pm.