

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 22, 2021** to **Sunday, March 28, 2021**

PUBLISHED MARCH 31, 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**

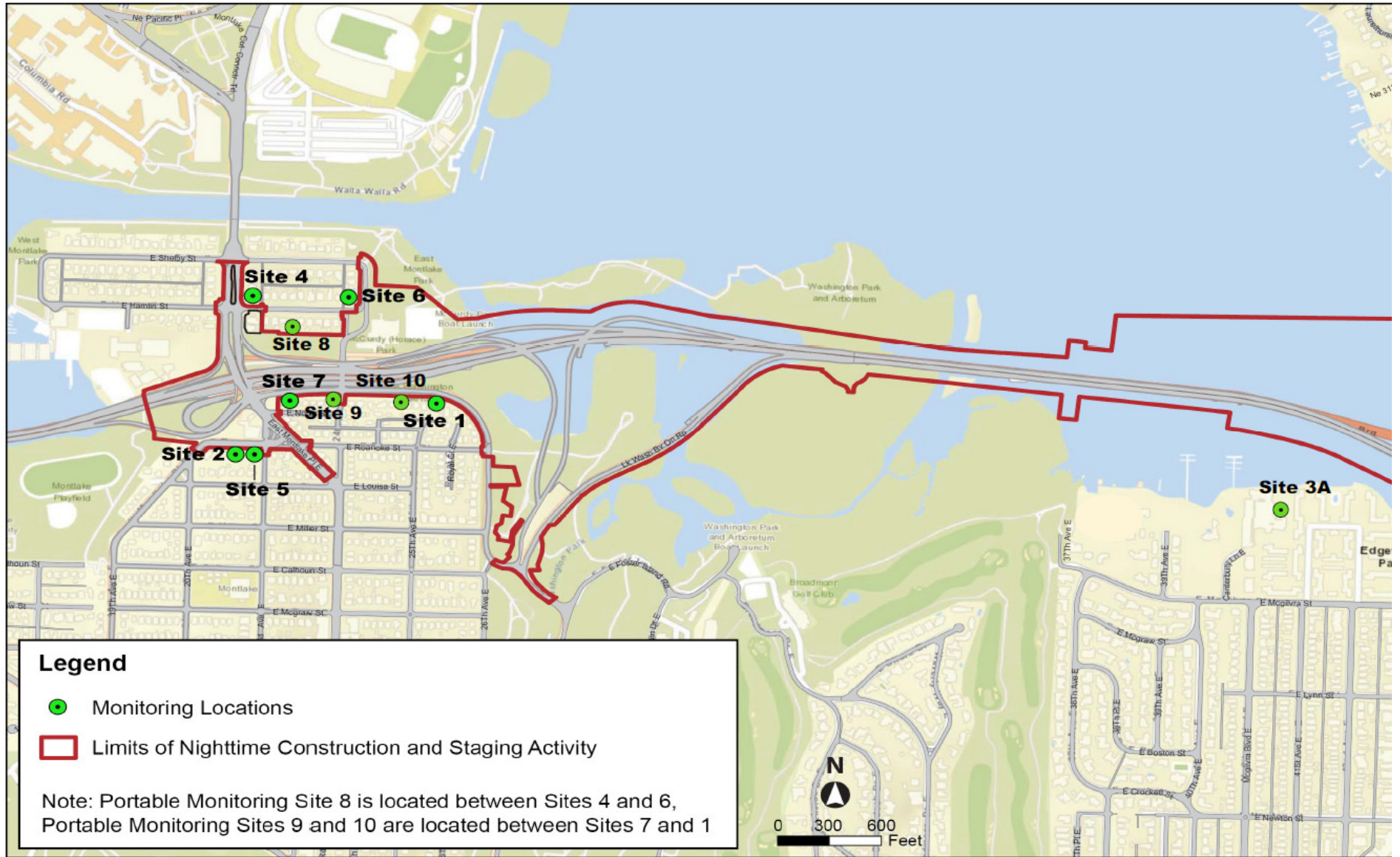
MPPCNV days to date: **591**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	34

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	226
Total Project related non-compliance	53
Total noise issue comments to the project	53
Total non-project related exceedances	2356

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 22, 2021 to Sunday, March 28, 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 22, 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	55.2	53.5	52.3	50.6	49.9	50.1	52.3	57.4	60.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	58.9	57.7	55.4	53.6	54.4	58.2	61.0	63.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.5	48.8	47.0	44.5	44.2	45.1	46.9	51.1	52.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	62.5	60.3	60.2	58.5	59.6	65.1	68.2	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	56.8	55.4	52.8	51.2	52.0	55.2	58.9	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.5	51.1	52.6	49.6	48.6	49.1	49.6	55.7	56.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.8	51.4	49.9	47.9	46.5	46.6	50.4	55.3	63.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.2	52.2	52.3	49.2	48.6	49.0	50.9	56.5	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.2	56.9	55.2	53.4	51.5	52.7	57.0	62.2	68.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.5	58.6	56.9	55.3	52.9	53.9	58.2	64.2	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 4:30am to set pier/platforms on the old West Approach Bridge South and install underground conduit at pier 2 median area.

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 22, 2021 to Sunday, March 28, 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 23, 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	52.3	50.6	50.6	48.3	48.8	50.9	55.8	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	60.6	58.6	68.2	51.3	52.6	55.8	59.7	61.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	46.8	46.3	43.5	45.4	43.1	45.6	48.0	51.0	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	70.5	68.3	63.9	58.5	59.0	63.4	68.1	70.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	57.6	55.4	68.3	49.4	50.5	53.5	57.9	60.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.9	50.8	53.4	51.2	47.1	47.9	51.3	56.7	58.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	51.1	47.6	52.5	45.0	46.4	49.2	54.2	58.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.8	53.1	48.8	52.9	46.1	47.2	50.4	56.7	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.6	56.3	54.2	54.6	58.6	54.9	55.0	61.3	66.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	58.3	56.0	56.0	52.9	55.1	57.7	62.9	66.0	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 4:30am to set pier/platforms on the old West Approach Bridge South and install underground conduit at pier 2 median area.

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

~ = 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 22, 2021 to Sunday, March 28, 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 24, 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	57.3	53.2	51.7	53.0	56.0	54.0	53.4	58.4	60.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	64.8	59.2	62.3	58.1	61.5	60.6	59.0	63.1	64.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.4	48.9	48.8	53.6	57.1	55.9	49.4	53.8	53.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.5	64.2	72.3	62.5	61.9	63.4	66.4	70.7	72.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.8	57.1	59.2	57.9	61.1	59.4	57.1	61.1	62.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.6	50.1	48.0	49.4	52.1	50.5	51.2	54.0	55.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	52.0	52.0	52.0	55.4	52.8	52.6	57.2	60.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.1	52.3	51.9	49.7	53.4	50.5	52.9	55.6	57.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.0	58.7	57.4	57.1	59.5	58.6	58.0	65.2	68.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.7	60.0	59.8	59.1	61.3	61.3	59.4	67.3	69.6	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 6:00am to set pier/platforms on the old West Approach Bridge South, unload delivered casing, nail girder bracing wedges and install underground conduit at pier 2 median area.

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 22, 2021 to Sunday, March 28, 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, March 25, 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	56.4	54.4	51.9	52.4	50.5	50.5	50.6	55.8	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	58.4	55.8	54.4	51.9	53.2	56.3	60.5	63.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.8	46.7	46.7	45.2	39.0	40.1	42.9	48.4	52.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	63.1	60.3	59.3	57.1	59.8	63.8	68.0	70.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	56.2	53.8	52.5	49.9	50.9	53.9	58.1	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.9	53.8	51.8	52.0	46.4	47.9	50.9	53.9	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	51.8	49.5	49.3	46.5	47.7	48.7	54.2	58.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.1	53.2	52.6	52.3	45.6	47.4	50.3	56.3	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	58.6	54.6	57.0	57.1	55.5	53.4	63.1	65.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.5	60.4	56.3	58.1	56.1	57.5	55.4	63.0	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 3:30am to set pier/platforms on the old West Approach Bridge South, unload delivered casing and install underground conduit at pier 2 median area.

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.

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Monday, March 22, 2021 to Sunday, March 28, 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, March 26, 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	56.0	54.0	51.7	49.8	50.5	48.3	48.7	51.4	54.3	57.3	60.5
Site 2 - 2015 E. Roanoke St	78	61.2	60.8	59.5	57.6	54.1	52.1	53.4	56.6	59.3	63.2	62.2
Site 3A - 3810 E. McGilvra St	62	50.9	58.1	57.4	53.4	42.9	36.6	39.0	43.7	47.8	50.5	55.1
Site 4 - 2800 Montlake Blvd E	66	65.8	64.4	65.4	61.9	57.9	58.4	58.4	63.1	67.2	65.6	66.5
Site 5 - 2565 22nd Av E.	65	59.4	60.3	57.5	55.1	52.1	49.6	51.1	54.2	57.1	60.5	60.7
Site 6 - 2160 E. Hamlin St	63	53.5	51.4	49.6	47.4	47.8	47.3	43.8	47.2	53.5	53.9	57.5
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	53.0	50.5	48.0	47.4	44.3	46.3	49.7	55.0	58.2	59.3
Site 8 - Portable Between Sites 4 and 6	63	57.6	55.6	50.1	49.0	49.5	46.5	44.8	55.5	55.5	54.9	58.6
Site 9 - Portable Between Sites 1 and 7	66	61.1	59.3	56.4	53.7	53.1	48.9	67.8	58.2	59.4	61.8	64.7
Site 10 - Portable Between Sites 1 and 7	66	63.0	61.1	58.8	54.7	55.9	52.5	53.6	58.4	60.4	63.8	67.1

*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, 54" water work on the South and North pit, excavate at the south treatment area and set up for day work.

Public Comments:

12:30 a.m March 27th - A call to the hotline was received from a resident that lives on Canterbury Shores to complain of vibration and construction noise. The call did not require a follow-up. See **Public Notice Log for additional details.**

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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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 22, 2021 to Sunday, March 28, 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, March 27, 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	56.5	54.7	54.3	50.4	50.0	51.4	51.3	53.7	53.9	55.8	58.6
Site 2 - 2015 E. Roanoke St	78	61.7	58.5	56.8	54.0	54.0	54.1	52.3	54.3	57.1	59.2	60.9
Site 3A - 3810 E. McGilvra St	62	47.7	46.6	46.4	42.7	43.7	45.5	50.9	56.0	53.6	51.4	55.5
Site 4 - 2800 Montlake Blvd E	66	66.2	63.6	61.3	58.8	59.0	58.7	60.2	62.3	66.4	66.3	67.3
Site 5 - 2565 22nd Av E.	65	59.3	56.5	55.1	52.1	52.3	52.5	50.8	53.2	55.5	57.8	59.6
Site 6 - 2160 E. Hamlin St	63	56.6	54.8	54.2	50.6	49.5	50.3	48.9	53.1	54.0	55.9	58.1
Site 7 - 2209 E. Lake Wa Blvd	66	55.1	53.4	52.3	48.5	47.5	48.0	45.5	49.4	54.4	56.8	57.6
Site 8 - Portable Between Sites 4 and 6	63	56.5	54.7	54.3	50.4	50.0	51.4	51.3	53.7	53.9	55.8	58.6
Site 9 - Portable Between Sites 1 and 7	66	60.4	59.4	58.1	53.5	53.1	52.8	53.2	55.3	56.4	58.8	62.5
Site 10 - Portable Between Sites 1 and 7	66	63.0	61.6	59.7	56.2	54.6	54.2	52.9	57.3	58.7	60.9	64.2

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Design-Builder worked between 7:00am and 9:00am to set up for day work on the 54" water pipe on the South and North pit.

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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Monday, March 22, 2021 to Sunday, March 28, 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, March 28, 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	53.9	52.0	47.4	45.6	49.5	47.1	50.9	57.3	57.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	58.8	55.6	54.9	53.9	53.9	55.9	59.6	62.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.4	47.8	44.6	40.5	42.1	38.7	43.0	47.8	50.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.8	62.6	59.7	60.2	59.3	59.6	65.0	68.5	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	56.6	53.7	52.6	51.7	51.5	53.8	57.4	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.9	50.7	46.9	46.9	44.2	47.6	46.7	51.1	55.7	56.6	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.7	50.0	47.8	46.1	46.2	45.6	49.9	53.9	58.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.9	52.0	47.4	45.6	49.5	47.1	50.9	57.3	57.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.1	55.8	53.2	52.6	50.7	51.1	56.6	62.2	66.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.8	56.9	56.0	53.1	52.5	54.4	56.6	63.2	66.8	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).

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

Monday, March 22, 2021 to Sunday, March 28, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
03/23/2021 - 2:30p.m	To: Hotline From: Residents on Hamlin St	Outside the MPPCNV Monitoring: Resident on Hamlin St called the hotline to ask what time the noisy work at the north pit of the 54" water line would cease.	Bob Derry (Public Information Manager) answered the hotline call and gave the resident a rundown of the work hours and when she should expect the noisiest work. Not follow-up required.
03/27/2021 - 12:30a.m	To: Hotline From: Residents on Canterbury Shores	During the MPPCNV Monitoring: Resident on Canterbury Shores called the hotline to complain of vibrations from the casing installations, resident also said he could hear the work from his home. Resident did not request a call back.	Bob Derry (Public Information Manager) answered the hotline call and Bob then contacted Gary Stensland(Environmental Compliance Manager) immediately. Gary reported back to Bob that noise from the work was within the noise limits. No follow-up required.