

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 15, 2021** to **Sunday, March 21, 2021**

PUBLISHED MARCH 24, 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

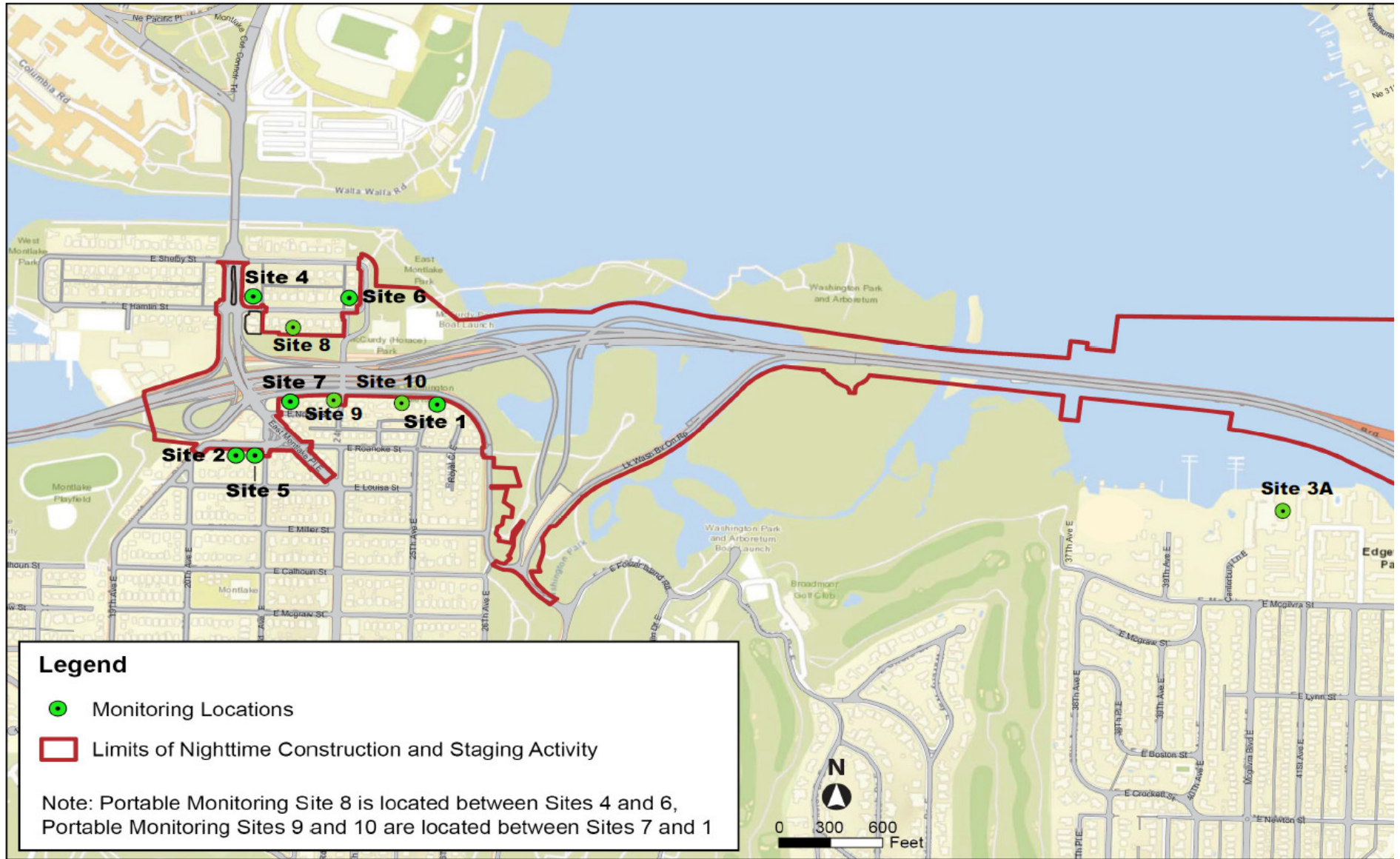
MPPCNV days to date: 584

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	31

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	220
Total Project related non-compliance	53
Total noise issue comments to the project	52
Total non-project related exceedances	2322

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 15, 2021 to Sunday, March 21, 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 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	55.1	53.6	51.9	53.1	54.2	50.5	52.3	58.2	61.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.3	60.2	58.4	57.5	58.1	57.4	61.7	63.6	64.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.2	48.6	46.3	45.1	47.2	43.7	46.0	51.3	55.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	62.7	59.9	59.6	59.7	59.4	63.7	69.1	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	57.6	55.9	55.0	55.2	54.5	59.8	61.5	62.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.4	53.2	51.6	51.3	51.0	50.0	51.5	55.9	58.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	52.9	50.3	50.1	52.0	48.6	56.0	57.6	59.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	53.7	52.3	51.9	52.1	50.8	54.0	56.9	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.7	57.0	55.6	54.2	57.9	52.8	57.0	65.0	68.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	59.1	57.2	56.5	60.5	54.6	57.2	64.8	67.2	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, install forms and diaphragms on the Montlake lid over SR520.

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 15, 2021 to Sunday, March 21, 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 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	56.1	55.2	52.8	50.8	49.4	49.4	52.6	57.9	62.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	59.9	57.9	55.9	55.4	55.1	58.3	63.1	64.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.4	49.1	46.5	41.1	41.4	41.6	46.3	50.5	54.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	63.1	60.5	58.6	58.4	59.4	63.7	71.0	70.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	57.6	55.6	53.5	53.0	52.8	55.7	60.6	62.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.6	54.3	51.9	50.7	49.5	49.6	52.4	55.8	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.3	53.8	51.9	49.9	49.9	48.5	51.6	56.0	60.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.5	54.7	52.7	53.0	50.8	50.2	53.4	57.0	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	58.8	55.5	54.8	56.0	52.7	55.9	63.0	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.1	60.8	59.6	56.0	54.2	54.0	57.7	64.5	68.2	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, install forms and diaphragms on the Montlake lid over SR520.

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 15, 2021 to Sunday, March 21, 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 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	57.7	56.5	53.3	51.4	50.0	51.1	52.2	57.5	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	61.5	59.6	58.4	57.9	58.6	60.3	62.1	62.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.7	49.6	47.7	45.6	44.4	45.3	48.0	50.6	51.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.9	64.5	60.8	58.6	58.9	59.4	63.6	67.9	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	59.4	57.4	56.1	55.2	56.0	58.1	60.0	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.6	57.0	53.2	52.3	50.6	48.7	49.6	55.7	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.9	56.2	52.9	51.9	50.5	51.3	51.5	55.5	58.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.7	56.0	54.4	53.2	51.4	51.0	51.4	56.3	58.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.0	63.1	56.4	55.9	53.8	55.5	56.9	63.0	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	62.1	59.1	56.0	53.8	56.4	57.6	64.0	66.3	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, install forms and diaphragms on the Montlake lid over SR520.

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

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 15, 2021 to Sunday, March 21, 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 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	56.8	30.7	29.5	29.1	29.6	30.4	31.8	32.2	34.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.6	59.7	57.7	56.8	53.1	56.5	57.8	60.8	62.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.3	48.0	46.4	50.9	45.5	47.6	46.0	50.2	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.2	64.4	62.0	59.3	58.4	61.5	63.9	68.4	70.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	57.5	55.0	53.3	51.1	53.7	55.7	59.0	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	30.9	29.7	29.4	29.8	30.5	32.0	32.4	34.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.3	57.6	57.4	52.3	50.9	54.4	52.5	56.1	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	56.6	53.8	52.0	51.7	52.2	53.8	57.5	59.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.3	60.7	56.6	55.6	53.1	55.6	69.0	62.2	65.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.1	62.4	57.9	56.1	55.7	59.0	61.0	64.7	67.2	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 set pier/platforms on the old West Approach Bridge South, unload delivered casing, and install forms and diaphragms on the Montlake lid over SR520.

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 15, 2021 to Sunday, March 21, 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 19, 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	57.0	56.3	53.7	49.8	50.4	49.0	50.9	53.5	55.8	57.5	60.1
Site 2 - 2015 E. Roanoke St	78	61.8	66.6	57.0	55.1	54.0	54.9	54.6	57.3	60.6	61.2	64.4
Site 3A - 3810 E. McGilvra St	62	52.7	53.3	54.2	45.3	46.2	46.4	49.2	47.4	51.7	56.4	56.9
Site 4 - 2800 Montlake Blvd E	66	68.6	67.0	64.0	61.6	60.3	60.2	61.4	64.3	68.9	68.5	69.2
Site 5 - 2565 22nd Av E.	65	60.1	67.0	55.4	53.0	52.0	53.4	53.4	55.6	58.8	59.2	62.7
Site 6 - 2160 E. Hamlin St	63	56.8	57.6	54.9	50.4	50.6	48.2	48.7	51.0	54.1	55.7	58.4
Site 7 - 2209 E. Lake Wa Blvd	66	55.7	56.4	52.4	49.3	49.3	47.9	49.8	52.1	56.2	58.0	64.9
Site 8 - Portable Between Sites 4 and 6	63	57.1	59.3	53.9	49.7	50.7	47.9	48.8	53.0	57.8	59.5	60.8
Site 9 - Portable Between Sites 1 and 7	66	62.2	62.0	60.0	54.3	53.2	51.4	55.7	60.2	63.6	63.2	65.3
Site 10 - Portable Between Sites 1 and 7	66	63.8	63.1	59.6	54.8	54.4	52.3	57.1	60.8	64.2	64.1	66.8

*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, set up for day work at the old canal/South pit and install rebar on the Montlake lid over SR520.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 5 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 15, 2021 to Sunday, March 21, 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 20, 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	59.9	55.8	52.8	50.5	48.9	50.2	50.0	50.0	52.9	56.0	57.3
Site 2 - 2015 E. Roanoke St	78	61.3	59.5	57.5	54.0	53.0	53.1	52.6	54.9	59.8	60.7	62.1
Site 3A - 3810 E. McGilvra St	62	50.5	49.6	45.5	42.8	41.0	44.9	41.7	43.5	46.9	49.7	50.7
Site 4 - 2800 Montlake Blvd E	66	66.8	64.4	61.8	59.4	58.8	58.8	59.7	62.5	67.6	67.0	67.8
Site 5 - 2565 22nd Av E.	65	58.8	57.0	55.3	51.9	50.4	51.9	49.9	52.5	57.5	58.6	60.6
Site 6 - 2160 E. Hamlin St	63	56.4	53.4	53.8	50.6	48.8	50.1	48.4	48.1	52.6	54.4	55.8
Site 7 - 2209 E. Lake Wa Blvd	66	57.1	54.8	52.2	48.9	47.0	48.0	46.6	48.1	54.5	58.1	63.8
Site 8 - Portable Between Sites 4 and 6	63	56.7	54.6	54.4	50.7	47.4	50.8	47.5	48.6	54.2	55.8	59.7
Site 9 - Portable Between Sites 1 and 7	66	59.2	56.9	55.2	~	~	~	~	~	~	~	~
Site 10 - Portable Between Sites 1 and 7	66	64.6	62.4	57.4	55.7	53.9	53.4	53.7	56.0	59.3	62.5	64.9

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
No nighttime construction work performed. Site #9, no data available. Gary Stensland was informed of the system problem.

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.
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 15, 2021 to Sunday, March 21, 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 21, 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	54.7	52.5	50.9	50.2	49.4	49.3	51.3	57.1	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	56.8	54.5	54.4	52.9	54.0	58.3	62.1	67.2	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.3	49.6	50.4	50.7	49.8	47.1	49.2	53.5	51.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.5	63.5	60.3	58.9	59.6	60.0	65.9	70.5	71.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	55.6	53.0	52.4	51.1	51.8	56.4	60.3	65.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	53.8	51.4	49.5	47.8	46.5	49.0	54.7	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	51.2	48.6	47.9	46.5	47.1	49.8	56.0	59.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	53.8	51.7	49.5	49.0	47.5	50.3	55.3	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.7	58.1	55.1	54.2	54.4	55.0	56.4	65.0	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) 4, 5 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 15, 2021 to Sunday, March 21, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
03/17/2021 - 7:47p.m & 8:07p.m	To: Hotline From: Residents near the North Pit	Outside the MPPCNV Monitoring: Resident near the north pit of the 54-inch water line called the project hotline two times to complaint of crews sawing the water pipe.	Bob Derry (Public Information Manager) answered the hotline call and notified the resident that the work was completed by 9:30 p.m. No follow-up required.
03/20/2021 - 8:20p.m	To: Hotline From: Resident on Lake Washington Blvd	Outside the MPPCNV Monitoring: Resident called the project hotline to report vibrations at 8:20 p.m. She later emailed at 10:27 p.m. to complain of noise.	Bob Derry (Public Information Manager) called her on Monday and let her know that no one from the project was working at that time. No follow-up required.
03/21/2021 - 10:40p.m	To: Hotline From: Resident from 41st Ave E	During the MPPCNV Monitoring: Resident called the project hotline to complain of noise from the SR 520 bridge that she thought was from construction. She said it sounded like people rolling logs along the bridge.	Bob Derry (Public Information Manager) answered the hotline call and told her that we didn't have anyone working on the bridge at this time. No follow-up required.