

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, June 6, 2022** to **Sunday, June 12, 2022**

PUBLISHED June 15th, 2022

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

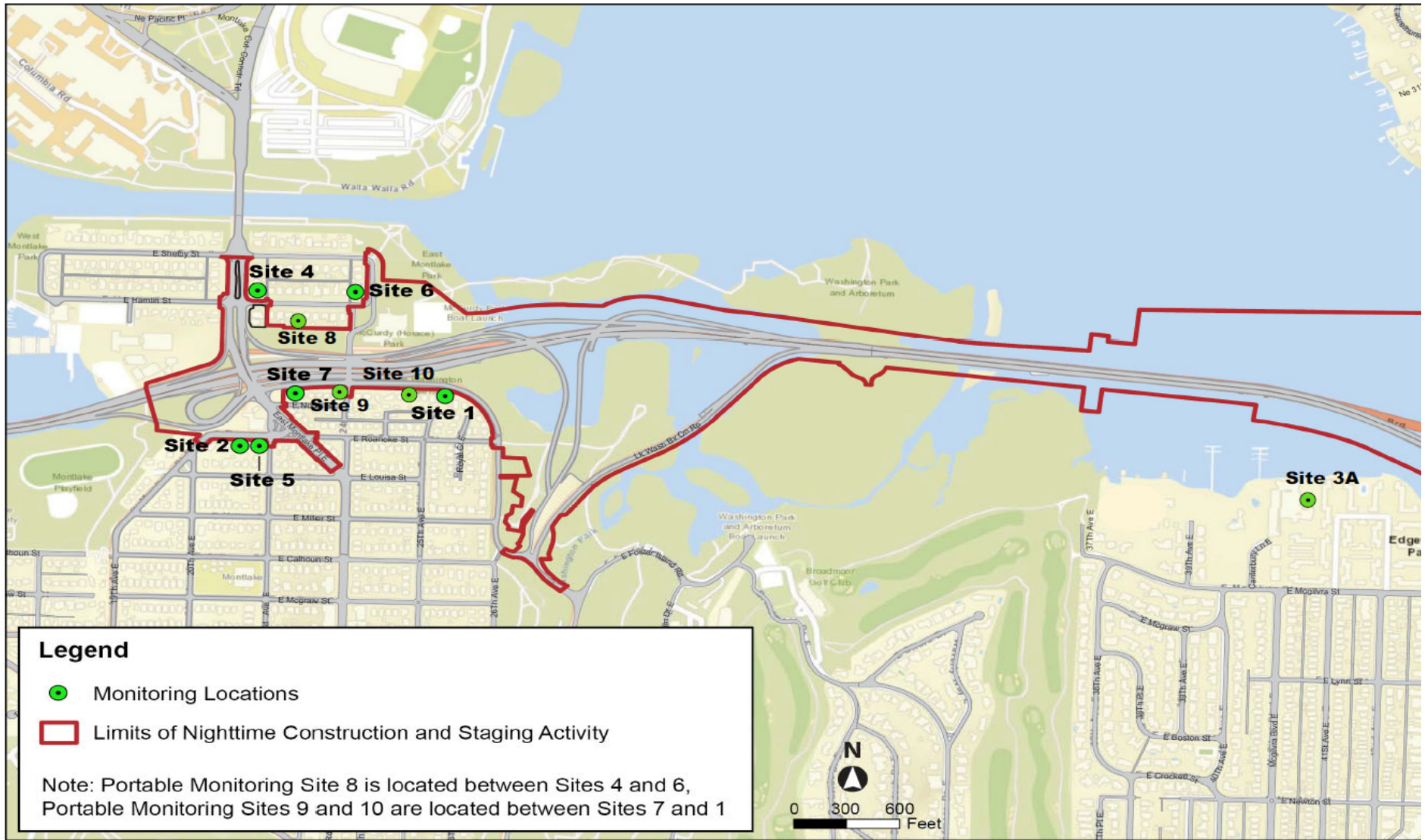
MPPCNV days to date: 1032

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	9

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	516
Total Project related non-compliance	114
Total noise issue comments to the project	121
Total non-project related exceedances	3794

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, June 6, 2022 to Sunday, June 12, 2022 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, June 6, 2022												
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	56.3	53.2	51.2	49.7	48.1	50.4	57.0	59.1	61.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	58.2	55.8	53.1	53.0	52.5	56.7	62.0	62.4	N/A	N/A
Site 3A - Canterbury Shores	62	51.5	48.5	46.9	43.9	43.5	43.1	51.3	52.7	54.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	56.8	54.2	51.5	52.6	50.6	55.0	59.6	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.5	49.8	46.8	48.1	46.6	48.8	52.6	56.9	55.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	51.5	49.0	47.6	47.9	47.4	53.5	57.0	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.6	53.0	50.9	49.6	48.9	50.3	54.4	57.3	56.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	57.7	55.7	51.8	55.9	53.5	62.8	68.5	63.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	59.5	57.5	54.7	54.2	55.8	61.1	65.6	67	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am pulling wires under the Montlake lid. American bridge had long load deliveries between 4:00am and 6:00am.

Public Comments:

A nearby resident called at 1:40 p.m. to say they were woken up this morning starting at 4 a.m. The culprit was a red 4-wheeled vehicle with a forklift in the front. They said it was driving quickly down the road in the project area parallel to Lake Washington Blvd. The forks in front and the load being carried rattle and bang as it moves along and goes over bumps. They said this is not the first morning they've been woken up by this vehicle. It always starts around 4 a.m. They is hoped that they can drive slower when passing by houses.

Exceedances:

Sites 10 exceedance is due to public traffic. **(Non work related).**

Non-Compliance:

None.

Site 4 was removed from the site

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, June 6, 2022 to Sunday, June 12, 2022 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 7, 2022												
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	55.4	51.1	48.1	46.0	46.3	51.6	51.9	56.9	58.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.6	57.3	54.2	51.7	50.4	53.8	54.7	59.2	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	50.8	48.8	45.4	43.1	41.8	44.4	48.6	50.9	52.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	55.9	52.9	50.5	49.4	52.7	53.3	57.3	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.5	52.6	49.7	48.9	47.9	50.8	54.4	55.7	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.1	50.9	48.2	45.4	44.9	49.3	54.9	54.1	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	54.1	51.2	50.2	49.3	51.1	52.1	55.9	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	66.0	58.2	56.3	53.2	51.0	58.5	63.7	61.6	63.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	57.6	54.9	50.7	51.0	57.0	59.0	64.7	65.8	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am pulling wires under the Montlake lid. American bridge had long load deliveries between 4:00am and 4:40am.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 9 exceedance is due to public traffic. **(Non work related).**

Non-Compliance:

None.

Site 4 was removed from the site

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, June 6, 2022 to Sunday, June 12, 2022 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 8, 2022												
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	53.2	51	47.1	48.8	49.8	52.9	57.6	59.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.2	58.3	56.1	52.5	51.6	52.6	56.5	59.4	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	51.5	50.3	47.2	45.6	41	41.6	48.8	51.5	52.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.7	57	54.5	50.8	50.1	50.9	54.9	57.5	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.5	47.6	48.5	44.2	45.3	46.8	49.9	54.5	56	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.5	50.7	48.7	44.9	46.9	46.8	55	53.7	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.1	50.9	51.5	46.1	47.9	47.6	50.8	55.1	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.6	58.6	55.7	51.1	54.2	53.6	61	60.9	63.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.6	57.8	53.4	56	56.7	58.7	63.7	66.1	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am pulling wires under the Montlake lid. American bridge had long load deliveries between 4:00am and 4:40am.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 10 exceedance is due to public traffic. **(Non work related).**

Non-Compliance:

None

Site 4 was removed from the site

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, June 6, 2022 to Sunday, June 12, 2022 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 9, 2022												
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	54.4	52.6	49.5	50.8	52.2	56.1	56.8	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.5	57.6	57.0	53.4	57.2	54.7	57.0	61.1	63.1	N/A	N/A
Site 3A - Canterbury Shores	62	51.4	48.7	46.7	44.2	44.8	46.1	49.5	52.2	53.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.9	57.1	56.3	52.3	58.3	54.8	55.7	58.9	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	58.4	57.5	55.3	51.3	48.7	48.9	51.8	54.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.1	53.1	51.4	47.7	49.1	49.6	53.1	54.8	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.1	56.6	52.3	50.1	51.0	52.8	55.5	56.6	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	68.7	59.6	59.9	55.7	58.1	58.4	62.6	63.0	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.9	60.5	56.6	57.4	59.7	59.5	64.5	66.5	68.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am pulling wires under the Montlake lid. American bridge had long load deliveries between 3:40am and 4:50am.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 9, & 10 exceedances are due to public traffic driving by the noise monitors (**not work related**).

Non-Compliance:

None

Site 4 was removed from the site

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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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, June 6, 2022 to Sunday, June 12, 2022 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 10, 2022												
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	~	~	~	~	~	~	~	~	~	~	~
Site 2 - 2015 E. Roanoke St	78	61.1	61.5	59.4	58.3	70.0	54.3	52.6	56.5	56.1	59.6	60.8
Site 3A - Canterbury Shores	62	50.5	49.4	46.7	45.0	43.1	41.6	43.9	44.4	48.0	52.2	54.0
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	~	~
Site 5 - 2565 22nd Av E.	65	60.2	60.5	58.8	56.4	69.9	52.9	51.6	55.1	54.2	58.2	59.1
Site 6 - 2160 E. Hamlin St	63	57.2	58.5	57.2	55.5	53.1	51.3	51.1	48.9	50.4	52.5	51.7
Site 7 - 2209 E. Lake Wa Blvd	66	57.1	57.1	54.9	52.5	56.4	49.3	46.7	53.7	50.5	52.6	53.9
Site 8 - Portable Between Sites 4 and 6	63	59.2	56.8	54.6	56.3	52.3	49.9	54.1	53.8	53.6	53.7	57.9
Site 9 - Portable Between Sites 1 and 7	66	63.7	63.3	64.1	60.7	59.7	67.8	56.5	54.7	65.5	57.6	59.6
Site 10 - Portable Between Sites 1 and 7	66	64.5	62.5	58.8	58.4	56.6	53.7	~	~	~	~	~

*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) 5, 9, 10 exceedance is due to public traffic driving by the noise monitors (**not work related**).

Non-Compliance:

None

Site 4 was removed from the site

Site 1 was down from 2:00pm on 6/10/2022 to 5:00am on 6/13/2022, the cause of this is unknown

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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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, June 6, 2022 to Sunday, June 12, 2022 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, June 11, 2022												
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	~	~	~	~	~	~	~	~	~	~	~
Site 2 - 2015 E. Roanoke St	78	61.2	60.5	57.4	55.6	54.6	52	52.5	54.4	57.1	58.7	62.0
Site 3A - Canterbury Shores	62	53.4	51.0	47.9	44.7	43.3	41.3	42.8	46.7	48.8	51.8	54.7
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	~	~
Site 5 - 2565 22nd Av E.	65	59.5	58.9	55.7	54.0	53.0	50.4	51.2	53.4	55.6	56.9	60.8
Site 6 - 2160 E. Hamlin St	63	53.6	51.8	51.0	47.3	47.6	45.3	51.4	53.8	52.3	50.8	52.4
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	56.6	53.0	50.3	48.4	45.7	45.9	47.2	51.4	52.4	55.0
Site 8 - Portable Between Sites 4 and 6	63	55.2	54.3	54.0	49.6	49.7	48.2	49.4	49.5	53.1	52.6	54.7
Site 9 - Portable Between Sites 1 and 7	66	60.8	64.8	57.9	56.2	54.3	53.0	52.5	54.8	57.0	58.2	61.7
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~

*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:

No exceedances

Non-Compliance:

None

Site 4 was removed from the site

Site 1 was down from 2:00pm on 6/10/2022 to 5:00am on 6/13/2022, the cause of this is unknown

Site 10 was down from 5:00am on 6/11/2022 to 8:00am on 6/13/2022, the cause of this is unknown

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, June 6, 2022 to Sunday, June 12, 2022 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, June 12, 2022												
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	~	~	~	~	~	~	~	52.5	57.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	57.0	54.7	53.6	53.1	49.9	54.5	58.6	62.2	N/A	N/A
Site 3A - Canterbury Shores	62	47.8	47.1	44.1	43.1	41.6	39.9	44.5	50.0	51.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	55.9	54.0	52.8	52.1	48.1	53.3	56.7	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.7	52.4	51.3	49.8	48.3	46.5	51.4	56.1	55.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.1	51.4	49.6	48.4	45.9	44.0	50.9	53.8	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.4	54.0	53.2	51.1	49.7	47.3	52.1	54.9	56.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.9	61.2	59.8	58.6	56.0	59.2	51.8	51.7	57.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	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:

No exceedances

Non-Compliance:

None

Site 4 was removed from the site

Site 1 was down from 2:00pm on 6/10/2022 to 5:00am on 6/13/2022, the cause of this is unknown

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, June 6, 2022 to Sunday, June 12, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
1:40 p.m. 06/07/2022	From: Nearby resident To: Project Hotline	<p>A nearby resident called at 1:40 p.m. to say they were woken up this morning starting at 4 a.m. The culprit was a red 4-wheeled vehicle with a forklift in the front. They said it was driving quickly down the road in the project area parallel to Lake Washington Blvd. The forks in front and the load being carried rattle and bang as it moves along and goes over bumps. They said this is not the first morning they've been woken up by this vehicle. It always starts around 4 a.m. They is hoped that they can drive slower when passing by houses.</p>	<p>Graham has confirmed that the noise is a result of the forklift used to move barrier. Graham and AB will address the concern with crews, reminding them to limit noise and speed as much as possible during these hours. The night time noise monitor was onsite during these activities. The noise level readings were within the acceptable range.</p> <p>Communications will be sent to the resident explaining the work activity and necessity for use of this equipment during these hours.</p>