

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, May 23, 2022** to **Sunday, May 29, 2022**

PUBLISHED June 1st, 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**

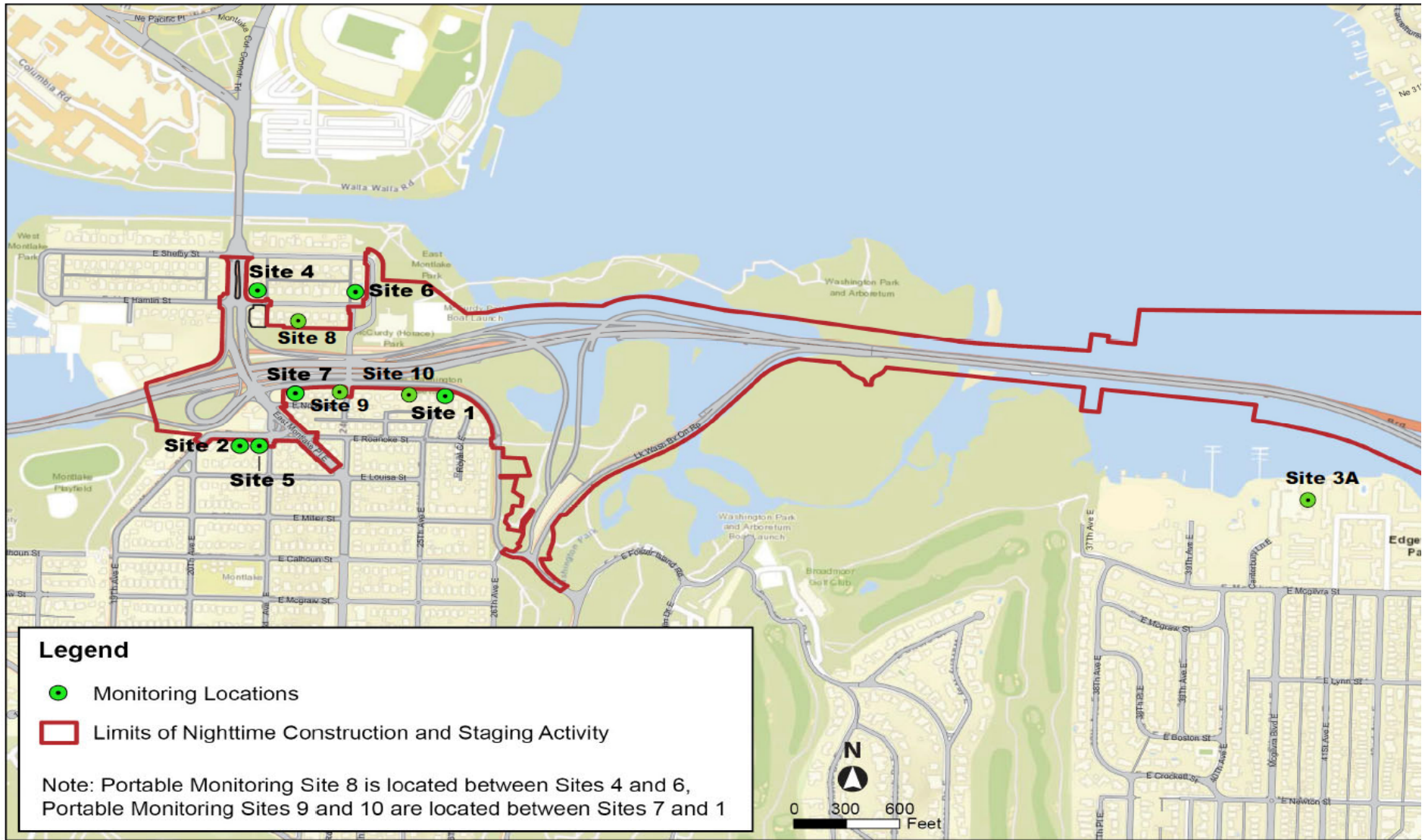
MPPCNV days to date: **1018**

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	25

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	509
Total Project related non-compliance	114
Total noise issue comments to the project	118
Total non-project related exceedances	3769

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, May 23, 2022 to Sunday, May 29, 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, May 23, 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	54.9	52.7	52.9	51.8	51.7	55.8	60.5	61.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.9	56.9	55.9	55.0	53.4	53.0	55.8	61.7	62.7	N/A	N/A
Site 3A - Canterbury Shores	62	51.1	54.2	49.8	49.0	47.2	43.1	47.4	50.7	54.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.0	63.1	59.6	58.5	56.6	59.1	61.5	71.2	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.6	55.7	54.5	54.7	52.2	51.2	54.2	59.9	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	54.5	51.5	53.0	50.2	48.8	54.3	55.0	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.4	55.9	54.0	55.3	53.2	51.9	59.0	63.9	57.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.1	53.4	51.6	53.2	50.3	48.5	52.6	54.8	55.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.0	61.4	59.2	60.5	58.8	59.0	60.9	68.3	64.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65	62.4	60.7	60.2	59.9	60.5	62.1	66.9	68	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. Graham worked between 10:00pm and 4:30am setting forms on pier 2 and between 10:00pm and 3:30am on pier 3 removing fill. Concrete pour on trestle from 4:00am to 7:00am.

Public Comments:

At 7:55 a.m. on 5/24/2022 a nearby resident texted the hotline and complained of loud sounds all night which were worse than other night that they had been offered hotels on previously. They also complained that there was no warning about this sound beforehand.

Exceedances:

Sites 4, & 10 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

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, May 23, 2022 to Sunday, May 29, 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, May 24, 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	57.8	59.8	53.5	52.6	50.8	47.7	49.6	51.4	57.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.8	57.4	55.1	53.9	52.9	54.3	53.5	59.5	61.2	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	49.1	46.4	43.0	42.7	42.5	46.0	51.9	55.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.8	62.0	59.8	58.8	57.2	61.7	63.3	69.1	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.6	56.2	53.8	52.5	52.1	53.4	52.4	57.2	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.3	52.5	51.4	49.5	48.7	50.7	54.2	58.3	59.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.4	54.1	53.9	51.6	49.6	51.4	56.8	54.4	59.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.6	52.9	51.1	49.3	49.0	51.8	51.6	55.8	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	66.5	61.1	61.2	58.5	55.3	58.9	58.8	61.2	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	70.5	62.7	63.5	62.2	56.1	59.0	59.9	65.1	66.2	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:40am pulling wires under the Montlake lid. Graham worked between 10:00pm and 4:50am setting forms on pier 2 and between 10:00pm and 2:30am on pier 3 removing fill. Shaft collar pour on pier 27-30 from 5:00am to 7:00am.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 4, 9, & 10 exceedances are due to public traffic. (Non work related).

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, May 23, 2022 to Sunday, May 29, 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, May 25, 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	56.4	53.5	49.8	49.4	47.9	50.7	54.2	61.2	61.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60	57.2	55.5	52.1	51.1	53.6	54.8	59.8	62.6	N/A	N/A
Site 3A - Canterbury Shores	62	51.7	49	46.4	44	42.5	43.1	46.5	51.8	55.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.5	62.2	60.1	57.2	56.9	58.2	61.7	66.3	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	55.9	53.5	50.9	49.5	52.3	52.9	58.1	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.3	49.8	46.2	47.2	45.7	48.1	52.3	57.4	54.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	55.4	50.2	49.1	48.6	52	52.6	57	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.1	52.6	49.5	50.3	48	49.4	50.9	57	55.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.1	58.7	57.7	53.1	53.8	56.4	56.9	61.9	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	60.9	56.8	56.5	55.7	57.9	61.2	66.2	67.5	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:39am pulling wires under the Montlake lid. Graham worked between 10:00pm and 5:00am setting forms on pier 2. Concrete pour on trestle between 5:00am and 7:00am.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 4, & 10 exceedances are due to public traffic. **(Non work related).**

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, May 23, 2022 to Sunday, May 29, 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, May 26, 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	54.8	52.2	51.6	50.0	47.7	48.2	52.2	56.4	57.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	56.5	58.9	54.1	52.0	52.3	55.5	59.7	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	49.0	46.1	47.4	45.6	44.9	43.3	47.9	51.8	54.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.5	63.6	67.0	59.1	57.6	59.5	63.1	66.4	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	55.3	57.9	53.3	50.9	50.6	54.5	58.1	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.0	51.6	50.9	51.3	49.5	51.6	54.6	57.0	59.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	58.7	53.3	51.8	49.3	51.4	51.6	54.2	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.8	53.7	52.5	51.3	49.3	49.8	54.5	57.2	59.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	60.9	60.6	57.5	55.3	57.0	58.1	61.5	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	60.6	58.3	58.2	55.5	56.2	57.8	63.7	66.0	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:15am pulling wires under the Montlake lid. Graham worked between 10:00pm and 5:00am setting and removing forms on pier 2.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, & 10 exceedances are due to public traffic driving by the noise monitors (**not work related**).

Non-Compliance:

None

Legend

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Monday, May 23, 2022 to Sunday, May 29, 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, May 27, 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	55.1	53.1	51.0	49.0	47.2	45.8	50.4	55.8	55.5	54.9	58.4
Site 2 - 2015 E. Roanoke St	78	60.4	58.0	56.1	54.9	53.4	51.7	51.8	55.6	56.6	58.7	60.9
Site 3A - Canterbury Shores	62	50.6	47.8	46.6	44.8	43.1	42.6	43.5	46.1	47.1	49.5	52.7
Site 4 - 2800 Montlake Blvd E	66	65.6	64.3	62.3	62.9	60.5	58.5	57.3	61.8	65.7	66.6	66.8
Site 5 - 2565 22nd Av E.	65	59.1	56.7	54.9	53.6	51.8	50.7	50.5	54.4	55.3	57.2	59.8
Site 6 - 2160 E. Hamlin St	63	56.0	53.2	52.6	50.9	48.9	47.8	53.7	54.1	52.8	50.7	54.5
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	51.9	50.0	49.1	47.8	46.3	49.3	49.5	51.4	52.8	55.9
Site 8 - Portable Between Sites 4 and 6	63	57.7	54.7	53.8	52.1	50.3	49.5	52.3	53.6	53.9	54.2	56.9
Site 9 - Portable Between Sites 1 and 7	66	60.9	58.5	56.0	56.9	55.4	53.3	55.6	54.9	57.8	59.3	62.1
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.7	58.2	56.2	54.3	52.8	54.3	57.8	60.3	62.8	65.6

*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 exceedances are due to public traffic driving by the noise monitors (**not work related**).

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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NOISE MONITORING - WEEKLY REPORT
Monday, May 23, 2022 to Sunday, May 29, 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, May 28, 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	58.3	56.8	54.7	51.1	49.9	50.2	52.1	55.2	54.5	55	56.6
Site 2 - 2015 E. Roanoke St	78	64.3	59.2	58	56.5	55.8	54.5	54.5	55.1	58.3	59.1	60.3
Site 3A - Canterbury Shores	62	53.3	51.6	48.2	48.0	48.6	46.8	48.1	50.1	48.0	51.0	50.3
Site 4 - 2800 Montlake Blvd E	66	66.4	63.5	62.9	62.2	60.7	59.0	59.4	62.1	66.5	67.3	65.6
Site 5 - 2565 22nd Av E.	65	60.8	57.8	57.2	56.9	57.0	55.0	56.5	55.5	57.4	57.9	59.2
Site 6 - 2160 E. Hamlin St	63	51.9	51.8	49.0	47.3	46.8	50.4	51.9	55.2	51.0	51.5	55.0
Site 7 - 2209 E. Lake Wa Blvd	66	56.4	54.8	53.1	50.7	49.4	49.2	48.5	50.1	52.9	53.4	55.3
Site 8 - Portable Between Sites 4 and 6	63	55.0	53.9	51.8	49.7	48.8	52.5	49.1	52.6	55.6	55.5	57.4
Site 9 - Portable Between Sites 1 and 7	66	62.6	59.7	60.1	59.4	57.7	55.2	55.8	58.1	61.1	61.7	63.7
Site 10 - Portable Between Sites 1 and 7	66	65.0	63.4	62.4	58.5	56.7	54.6	56.4	58.3	60.9	62.5	65.0

*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 exceedances are due to public traffic driving by the noise monitors (not work related).

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, May 23, 2022 to Sunday, May 29, 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, May 29, 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	57.6	54.8	52.0	49.8	47.1	46.7	52.7	55.2	56.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	58.9	55.4	54.6	53.8	50.1	51.6	56.6	58.3	N/A	N/A
Site 3A - Canterbury Shores	62	54.2	52.6	47.9	46.4	44.4	42.4	50.4	47.6	48.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.0	64.6	65.6	61.3	60.1	59.0	56.7	57.6	63.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.3	58.7	54.2	53.7	52.6	48.3	50.1	57.3	56.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.3	54.5	52.9	50.3	51.2	49.0	55.3	53.7	52	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.3	54.3	51.2	50.2	47.7	45.2	47.6	51.8	53.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	55.5	54.1	52.3	51.2	48.3	52.1	54.4	55.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.3	61.5	57.8	56.9	53.8	51.5	52.8	59.6	61.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.5	62.6	59.3	55.5	53.8	53.6	54.3	60.8	62.5	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 exceedance is due to public traffic driving by the noise monitors (**not work related**).

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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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, May 23, 2022 to Sunday, May 29, 2022 **10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)**

Public Comment Log			
Date / Time	To/From	Issue	Resolution
7:55 a.m. 05/24/2022	From: Nearby resident To: Project Hotline	At 7:55 a.m. on 5/24/2022 a nearby resident texted the hotline and complained of loud sounds all night which were worse than other night that they had been offered hotels on previously. They also complained that there was no warning about this sound beforehand.	Cheryl responded, "I apologize for the inconvenience. I was not aware of the increase in noise for last night's work, however, I will bring this to the necessary parties immediately and get an update on what the upcoming work will be." Later the resident was followed up with informing them, "The noise is likely from the pier 2 form work and pier 3 excavation/trucking operation" and they were offered a hotel, that they were unable to accept until Thursday.