

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, November 14, 2022** to **Sunday, November 20, 2022**

PUBLISHED November 23, 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

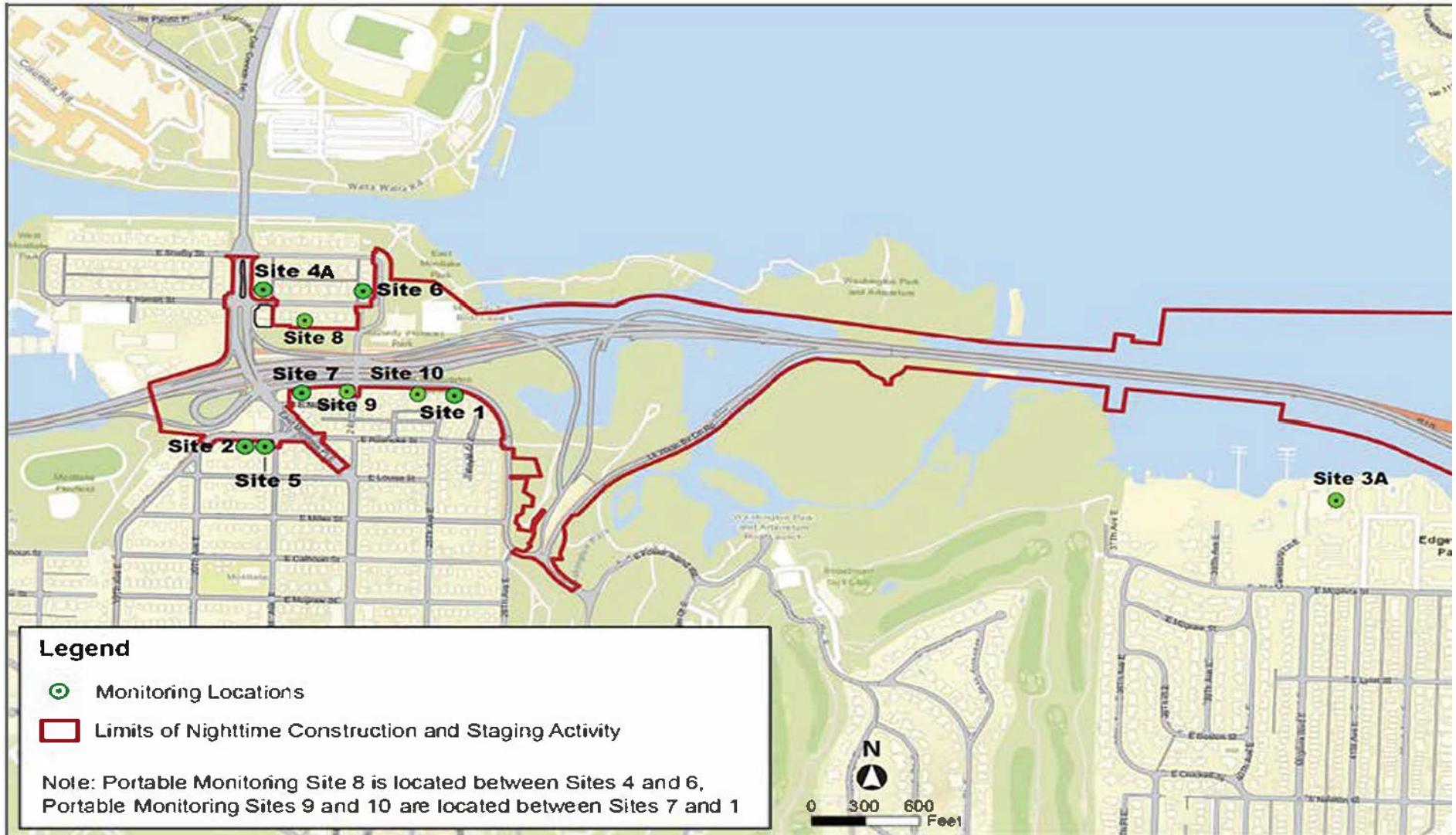
MPPCNV days to date: 1193

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	7

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	629
Total Project related non-compliance	118
Total noise issue comments to the project	126
Total non-project related exceedances	3978

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, November 14, 2022 to Sunday, November 20, 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, November 14, 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	54.5	52.1	50.8	48.5	49.3	53.3	58.3	60.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	59.0	57.0	54.8	54.8	55.6	58.6	62.2	64.1	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	50.4	48.2	46.1	46.8	47.3	52.1	54.9	57.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.4	57.8	52.8	50.2	51.6	50.9	54.3	59.7	60.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	57.4	55.1	52.5	52.8	53.3	56.4	60.6	62.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.0	55.7	52.2	49.8	50.7	48.3	49.7	57.1	55.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.9	53.8	50.9	48.8	48.8	49.2	52.1	57.5	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.5	56.1	52.8	50.2	50.2	49.2	52.2	58.9	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.0	60.2	57.4	54.9	55.8	55.8	59.0	64.0	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.8	59.8	58.9	57.2	55	55.9	61	65.2	67.1	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 working on removing lighting on Pier 2 EB, 4 workers on site. Graham worked between 10:00pm and 4:45am working on rebar installation on Pier 2 West. American Bridge worked between 6:00am and 7:00am working on concrete pour on trestle.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 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, November 14, 2022 to Sunday, November 20, 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, November 15, 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	58.8	54.9	52.1	50.6	49.6	49.8	52.9	57.4	60.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.1	61.2	57.4	55.9	62.9	56.3	58.8	62.6	64.3	N/A	N/A
Site 3A - Canterbury Shores	62	49.4	47.6	45.4	42.3	40.7	41.7	45.7	51.0	53.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	61.2	57.2	53.8	50.0	60.5	53.9	57.3	60.0	61.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.8	59.0	55.9	53.6	60.3	54.7	57.1	61.0	62.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.0	57.0	53.4	51.0	50.8	50.3	53.5	59.2	59.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.8	57.0	51.8	50.5	56.4	50.7	56.0	57.2	60.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.9	57.4	54.3	51.6	57.0	51.6	55.5	59.2	60.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.0	67.1	58.3	55.7	69.7	58.3	65.3	63.4	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.0	60.4	59.0	57.4	55.8	56.2	59.6	64.4	~	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 working on removing lighting on Pier 2 EB and DXEI ramp and merging lanes, 5 workers on site. Graham worked between 10:00pm and 4:45am working on form installation on Pier 2 West and drainage on Pier 2 East.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 9 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

None.

Site 10 was down from 7:00am 11/16/2022 to 8:00am 11/18/2022. This was due to the sites batteries dying.

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, November 14, 2022 to Sunday, November 20, 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, November 16, 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	53.2	50.4	49.8	48.7	50.1	52.7	57.2	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	58.5	56.9	55.5	55.3	55.4	57.2	61.2	63.6	N/A	N/A
Site 3A - Canterbury Shores	62	50	48	47.1	43.4	43	44.3	48.4	54.6	57.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.3	54.3	52.3	51.4	50	50.8	54	59	60.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	56.9	55.3	53.3	53	53.8	55.4	59.3	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	49.3	47.5	48.7	47.6	48	51.4	53.7	56.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	52.5	50.8	49.5	50.5	50.5	52.6	56.4	60.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.5	51.7	50.8	49.3	49.4	49	51.9	56	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.6	59	57.7	56.3	58.6	56.9	59.5	62.9	65.7	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:

Elcon worked between 10:00pm and 3:37am working on removing lighting on Pier 2 EB, 5 workers on site. Graham worked between 10:00pm and 5:00am working on form installation on Pier 2 West and fire lines on Pier 2 East. American Bridge worked between 6:00am and 7:00am working on concrete pour on trestle.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedences

Non-Compliance:

None

Site 10 was down from 7:00am 11/16/2022 to 8:00am 11/18/2022. This was due to the sites batteries dying.

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, November 14, 2022 to Sunday, November 20, 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, November 17, 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	58.7	58.2	54.5	51.3	50.5	50.2	52.2	57.7	60.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.8	60.7	60.0	56.6	55.4	55.7	57.4	62.2	64.1	N/A	N/A
Site 3A - Canterbury Shores	62	49.0	49.4	48.6	47.5	46.6	46.4	47.4	49.8	53.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	62.4	60.7	59.1	53.4	53.1	52.1	55.1	59.7	61.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.8	59.2	58.9	54.6	53.0	53.1	55.3	60.3	62.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	60.2	59.5	57.0	53.1	52.0	51.2	52.9	57.6	60.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.4	58.6	54.8	50.9	49.9	50.0	52.0	56.6	59.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	60.5	60.0	59.1	53.5	52.9	51.7	53.9	59.0	60.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.4	61.2	62.0	57.3	56.0	57.1	59.3	63.4	65.5	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:

Elcon worked between 10:00pm and 3:38am working on removing lighting on Pier 2 EB, 4 workers on site. Graham worked between 10:00pm and 5:50am working on form installation on Pier 2 West and fire lines on Pier 2 East.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedences

Non-Compliance:

None

Site 10 was down from 7:00am 11/16/2022 to 8:00am 11/18/2022. This was due to the sites batteries dying.

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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Monday, November 14, 2022 to Sunday, November 20, 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, November 18, 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	59.0	57.2	55.0	54.2	52.8	50.3	50.7	52.5	55.1	57.8	60.3
Site 2 - 2015 E. Roanoke St	78	63.0	61.2	61.9	58.5	58.3	56.1	55.6	57.9	59.7	61.8	63.9
Site 3A - Canterbury Shores	62	51.8	51.6	49.8	48.9	48.0	45.7	45.5	47.2	49.5	51.8	54.5
Site 4A - 2110 E. Hamlin St	66	60.5	58.2	63.5	55.5	54.8	52.7	52.0	56.5	58.4	59.9	60.7
Site 5 - 2565 22nd Av E.	65	61.4	59.5	61.0	57.0	56.6	54.2	54.0	56.2	58.2	60.3	62.4
Site 6 - 2160 E. Hamlin St	63	60.3	58.8	58.9	57.0	56.9	53.1	53.8	56.0	57.1	59.2	60.5
Site 7 - 2209 E. Lake Wa Blvd	66	58.0	56.0	57.8	53.9	52.8	49.8	49.7	53.0	55.9	58.5	60.4
Site 8 - Portable Between Sites 4 and 6	63	60.1	58.9	60.5	56.8	55.9	52.8	52.4	55.0	57.1	59.2	59.6
Site 9 - Portable Between Sites 1 and 7	66	63.8	61.2	64.7	58.6	58.3	56.3	56.3	59.5	60.9	63.3	64.6
Site 10 - Portable Between Sites 1 and 7	66	65.2	62.8	60.6	58.5	56.6	53.3	54.6	57.7	61.2	64.6	67.0

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 4:55am working on form installation on Pier 2 West and fire lines on Pier 2 East. Graham worked between 7:00am and 9:00am on a concrete pour on the Montlake lid.

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

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, November 14, 2022 to Sunday, November 20, 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, November 19, 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	60	57.9	55.6	54	51.6	50.5	54	50.5	52.9	54.8	57.9
Site 2 - 2015 E. Roanoke St	78	63.3	61.5	60.3	57.8	56	55.2	56.9	54.6	57.5	60.3	60.8
Site 3A - Canterbury Shores	62	53.5	51.3	49.5	48.9	44.0	44.3	42.6	42.7	45.9	51.8	49.7
Site 4A - 2110 E. Hamlin St	66	60.8	59.7	57.8	56.6	53.8	56.0	59.8	53.7	56.6	58.1	58.8
Site 5 - 2565 22nd Av E.	65	61.9	59.9	58.7	56.4	54.6	53.8	55.8	53.1	55.9	59.1	59.3
Site 6 - 2160 E. Hamlin St	63	63.1	60.6	57.9	56.6	56.0	52.7	57.2	51.2	54.6	56.9	57.6
Site 7 - 2209 E. Lake Wa Blvd	66	59.1	57.2	54.9	53.8	51.6	50.9	58.3	49.4	52.9	54.6	56.0
Site 8 - Portable Between Sites 4 and 6	63	62.5	60.3	58.4	57.0	55.6	56.1	58.6	52.4	54.7	57.0	57.7
Site 9 - Portable Between Sites 1 and 7	66	63.4	61.6	60.2	59.1	57.1	57.4	58.2	55.8	59.5	60.7	61.7
Site 10 - Portable Between Sites 1 and 7	66	65.8	63.8	60.8	59.3	55.5	54.1	57.3	56.4	59.2	61.4	65.5

*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 6 exceedance is 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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Monday, November 14, 2022 to Sunday, November 20, 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, November 20, 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	53.2	49.7	48.5	47.4	45.8	52.1	55.8	58.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	58.8	55.5	53.6	51.7	53.2	56.8	60.2	61.6	N/A	N/A
Site 3A - Canterbury Shores	62	47.0	46.7	45.8	41.5	40.2	39.1	44.3	47.3	49.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.5	56.0	51.2	50.6	48.9	50.0	55.1	58.6	58.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	57.7	54.2	52.9	50.4	51.7	55.2	58.4	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.0	51.1	46.2	46.5	46.2	43.2	51.3	54.4	53.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	52.9	48.7	46.9	45.5	45.7	52.0	55.0	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.3	54.8	49.7	49.4	49.0	47.6	53.4	56.1	56.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.0	60.1	55.0	53.4	51.1	53.5	59.0	61.7	63.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	58.4	54.9	53.5	50.5	49.3	58.6	63.2	65.5	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:

No Exceedences

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).

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Public Comment Log			
Date / Time	To/From	Issue	Resolution