

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, January 31, 2022** to **Sunday, February 6, 2022**

PUBLISHED February 2nd, 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

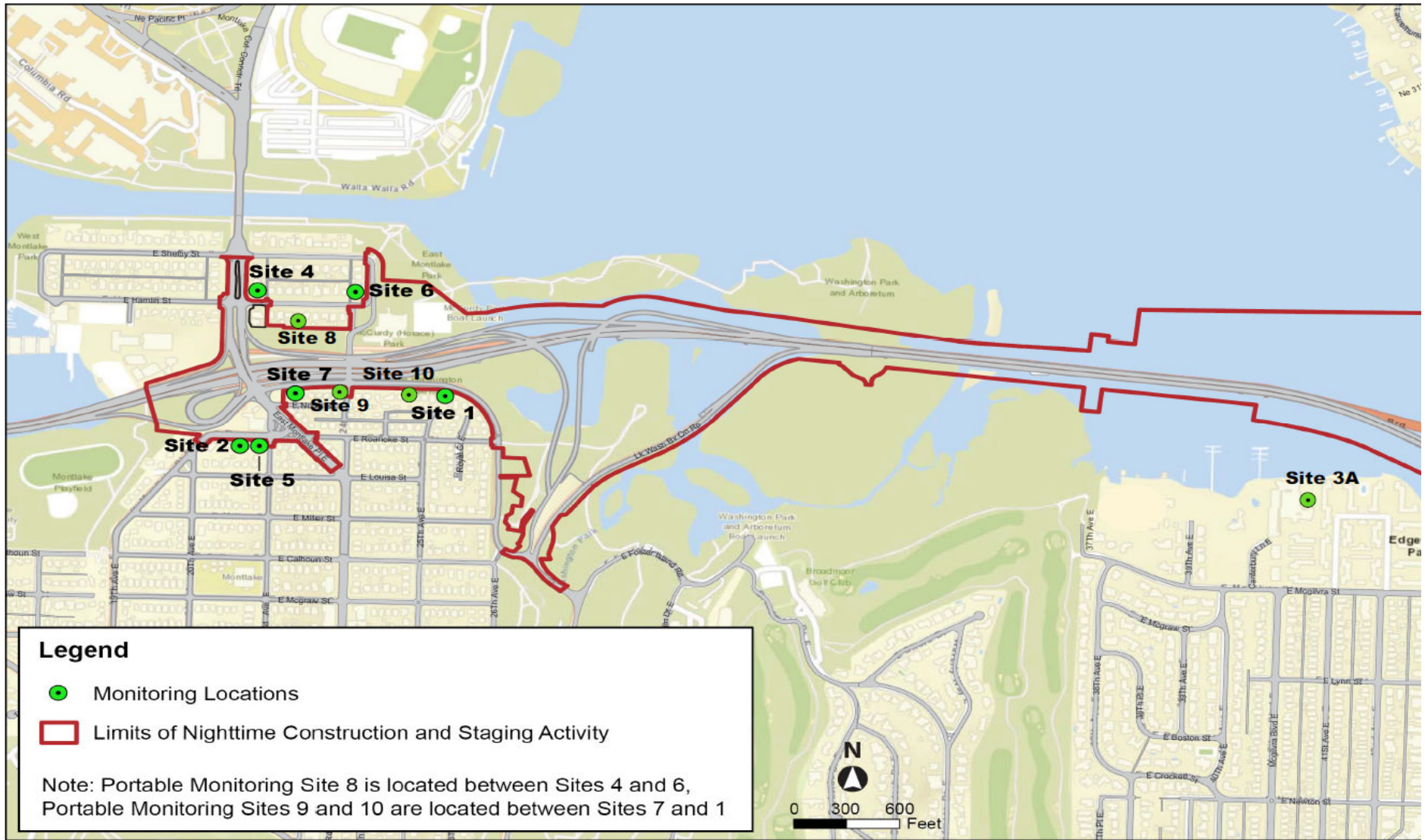
MPPCNV days to date: 906

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	22

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	427
Total Project related non-compliance	110
Total noise issue comments to the project	111
Total non-project related exceedances	3248

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, January 31, 2022 to Sunday, February 6, 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, January 31, 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	53.1	51.3	51.3	47.9	48.3	48.4	50.7	54.4	58.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.7	56.1	53.3	54.5	50.9	54.1	54.2	58.2	61.9	N/A	N/A
Site 3A - Canterbury Shores	62	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.9	62.4	59.1	56.6	56.4	58.0	62.1	66.7	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.1	54.4	51.6	53.1	49.3	53.1	52.4	56.2	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.2	49.1	50.0	46.5	47.6	46.6	49.0	53.9	55.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.8	49.1	48.7	45.7	44.9	46.2	48.4	52.7	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.5	51.6	51.6	48.2	48.6	48.1	50.6	55.5	57.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.4	56.6	55.0	54.8	51.6	54.9	56.4	60.4	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.6	56.9	56.6	55	53.5	55.5	59.1	63.1	66.2	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 3:48am installing underlid lighting under the Montlake bridge lid.

Public Comments:

No public comments received related to nighttime noise.

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

Site 3 was down for due to an error from 6 AM. 01/31/22 to 4 PM. 02/03/22, data between those times is unavailable. Site 4 was missing data for 7 A.M. on the morning of 02/01/2022, with reading continuing at 8 A.M. on the following day, the cause was a failure of the monitor to transfer the data.

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, January 31, 2022 to Sunday, February 6, 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, February 1, 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	56.7	53.9	51.5	50.9	51.4	51.6	52.3	57.3	59.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	57.4	54.7	52.6	52.1	53.2	55.2	59.8	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.6	58.5	55.3	53.1	51.9	55.5	61.1	67.1	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	56.0	53.3	50.9	50.9	51.6	53.2	57.6	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.6	52.5	50.6	48.5	48.5	49.6	48.2	51.5	54.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.5	51.5	48.3	46.8	47.7	48.4	49.5	55.1	57.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.4	54.9	51.8	49.6	50.4	50.6	51.4	54.7	56.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.1	58.3	54.5	53.5	53.2	55.5	56.9	62.3	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.8	59.4	57.0	54.7	56.1	57.4	58.6	64.4	66.6	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 3:40am on installation of Hangar assemblies and conduit under the Montlake lid

Public Comments:
No public comments received related to nighttime noise.

Exceedances:
Sites 4, & 10 exceedances are due to public traffic. **(Non work related)**.
Site 3 was down for due to an error from 6 AM. 01/31/22 to 4 PM. 02/03/22, data between those times is unavailable.

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, January 31, 2022 to Sunday, February 6, 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

Site	Site limit*	Wednesday, February 2, 2022									
		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	51.1	48.9	47.3	49.5	52.8	55.1	58.3	N/A	N/A	
Site 2 - 2015 E. Roanoke St	78	54.7	51.8	51.4	53.4	55.7	59	61.7	N/A	N/A	
Site 3A - Canterbury Shores	62	~	~	~	~	~	~	~	N/A	N/A	
Site 4 - 2800 Montlake Blvd E	66	58.7	52	52.9	54.8	63.3	67.7	69.5	N/A	N/A	
Site 5 - 2565 22nd Av E.	65	52.8	50.5	50.3	52.9	53.9	56.9	60.1	N/A	N/A	
Site 6 - 2160 E. Hamlin St	63	47.8	48.8	47.7	48.4	50.8	55.1	57.8	N/A	N/A	
Site 7 - 2209 E. Lake Wa Blvd	66	47.7	45.9	44.8	47.5	50.8	54.3	57.4	N/A	N/A	
Site 8 - Portable Between Sites 4 and 6	63	53.1	49.3	47	48.4	52.3	56.4	59.1	N/A	N/A	
Site 9 - Portable Between Sites 1 and 7	66	59.4	52.5	52.6	56.3	59.8	63	65.5	N/A	N/A	
Site 10 - Portable Between Sites 1 and 7	66	61.9	54	53.4	56.9	61.1	63.9	66.6	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 3:35am on installation of Hangar assemblies and conduit under the Montlake lid.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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

Site 3 was down for due to an error from 6 AM. 01/31/22 to 4 PM. 02/03/22, data between those times is unavailable.

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, January 31, 2022 to Sunday, February 6, 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, February 3, 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	56.9	54.4	51.5	49.1	49.1	50.7	50.6	54.3	57.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	57.0	54.0	51.8	54.5	52.7	53.7	57.6	62.0	N/A	N/A
Site 3A - Canterbury Shores	62	51.2	48.6	46.5	43.0	42.9	44.4	32.9	35.9	39.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.9	61.5	57.6	56.2	57.5	57.6	61.7	66.5	68.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.3	55.8	53.1	50.3	53.3	51.8	52.1	55.7	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.7	55.9	51.4	48.8	48.7	49.6	51.6	55.9	59.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	52.5	48.6	46.2	51.1	48.1	48.9	52.9	58.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.1	56.4	53.4	49.8	52.6	51.5	52.0	56.4	59.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.0	58.1	55.0	53.5	67.2	56.4	56.7	60.1	68.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	59.8	55.9	54.6	53.9	56.5	56.7	62.1	65.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00 p.m. and 3:25 a.m. on installation of hanger assemblies, conduit & installing temporary boxes on EB SR 520 under the Montlake lid.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, & 9 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.

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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, January 31, 2022 to Sunday, February 6, 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, February 4, 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	53.5	50.7	49.0	47.2	44.5	48.2	49.8	54.1	56.9	58.7
Site 2 - 2015 E. Roanoke St	78	61.5	59.1	56.6	56.1	53.1	49.9	52.1	53.9	58.4	60.7	61.7
Site 3A - Canterbury Shores	62	52.0	49.5	46.7	45.1	43.3	40.7	42.7	44.3	49.0	50.6	52.7
Site 4 - 2800 Montlake Blvd E	66	65.9	64.0	61.5	60.1	57.6	57.0	59.1	62.1	65.8	66.9	69.5
Site 5 - 2565 22nd Av E.	65	59.8	57.5	55.0	54.8	51.2	48.4	51.0	52.2	56.6	59.0	60.1
Site 6 - 2160 E. Hamlin St	63	55.3	53.9	51.5	49.7	48.7	47.7	49.0	50.3	53.5	56.7	57.1
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	53.6	49.7	51.2	47.1	44.6	47.4	48.5	53.0	55.5	57.4
Site 8 - Portable Between Sites 4 and 6	63	56.5	55.3	52.2	53.2	49.7	48.8	50.5	51.9	55.5	58.6	59.3
Site 9 - Portable Between Sites 1 and 7	66	61.6	62.2	57.2	65.1	55.1	50.9	54.0	55.3	59.4	63.2	68.0
Site 10 - Portable Between Sites 1 and 7	66	62.4	60.7	57.6	55.6	54.0	50.5	53.1	56.4	60.1	63.9	66.1

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

Non-Compliance:

None

Legend

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Monday, January 31, 2022 to Sunday, February 6, 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, February 5, 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	59.5	57.9	55.3	53.2	51.8	47.2	46.1	47.5	53.8	55.8	57.4
Site 2 - 2015 E. Roanoke St	78	63.2	60.8	59.6	58.5	55.6	56.1	51	53.4	58.1	59.4	61.5
Site 3A - Canterbury Shores	62	54.1	52.0	50.5	49.5	46.5	43.6	41.9	42.4	49.4	50.3	52.8
Site 4 - 2800 Montlake Blvd E	66	67.0	63.3	62.2	60.6	58.5	61.3	56.9	59.9	64.7	65.1	65.8
Site 5 - 2565 22nd Av E.	65	61.5	59.1	57.8	56.8	54.0	53.0	49.6	51.7	56.6	58.1	60.1
Site 6 - 2160 E. Hamlin St	63	56.8	55.8	56.5	53.9	53.5	47.6	47.9	43.9	51.9	54.1	55.9
Site 7 - 2209 E. Lake Wa Blvd	66	57.4	55.7	53.9	52.1	51.0	46.9	45.8	46.0	51.9	54.1	54.8
Site 8 - Portable Between Sites 4 and 6	63	59.8	58.5	58.1	55.4	54.2	49.9	49.4	47.5	54.2	56.3	56.8
Site 9 - Portable Between Sites 1 and 7	66	63.9	60.6	59.5	59.1	56.0	54.5	51.5	53.6	58.4	59.7	61.2
Site 10 - Portable Between Sites 1 and 7	66	65.6	63.7	61.0	58.1	57.6	52.5	51.8	54.9	59.2	61.9	63.9

*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:

Sites 4 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.

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Red = Noise Level Exceedance, project related

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Monday, January 31, 2022 to Sunday, February 6, 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, February 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	56.0	54.5	51.7	49.4	45.9	46.3	51.9	55.4	57.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	58.0	71.4	51.5	50.9	54.3	55.8	60.1	62.8	N/A	N/A
Site 3A - Canterbury Shores	62	49.5	46.5	45.6	50.2	45.5	44.8	47.0	51.2	53.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.4	61.6	67.7	57.7	57.0	58.1	62.9	66.7	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	56.4	69.7	50.8	49.9	53.3	54.5	58.4	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.6	56.1	53.3	51.0	47.8	47.5	52.2	57.2	57.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	53.4	58.1	47.8	46.4	49.7	50.6	56.4	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.2	57.0	57.3	51.4	47.6	48.8	53.6	58.1	58.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.2	58.5	68.0	53.2	53.1	61.0	57.8	65.1	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.2	59.3	56.6	54.3	51.0	50.1	56.6	62.3	65.2	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, &9 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

Blue = Noise level exceedance, not project related

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NOISE MONITORING - WEEKLY REPORT

Monday, January 31, 2022 to Sunday, February 6, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution