

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, November 22, 2021** to **Sunday, November 28, 2021**

PUBLISHED DECEMBER 1, 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

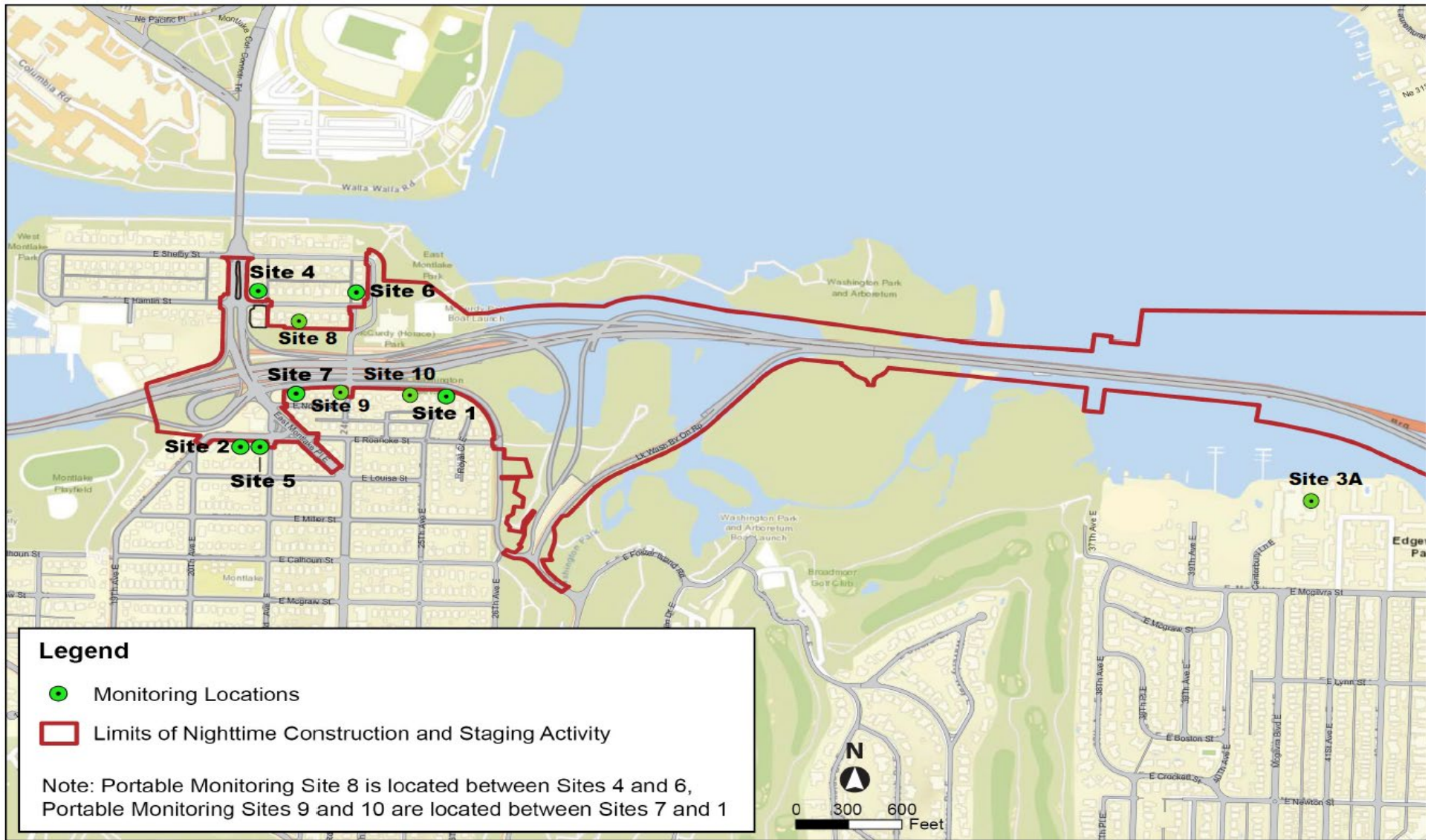
MPPCNV days to date: 836

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	2
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	23

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	408
Total Project related non-compliance	109
Total noise issue comments to the project	110
Total non-project related exceedances	3109

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 22, 2021 to Sunday, November 28, 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, November 22, 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	55.3	52.5	51.1	49.6	54.0	56.4	54.0	60.0	61.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	68.0	63.3	55.8	62.1	58.9	60.5	59.4	64.9	65.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.4	46.2	44.3	43.4	49.4	56.2	53.9	58.3	57.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	70.2	62.7	59.7	56.8	60.0	60.4	64.5	70.2	72.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.6	60.5	53.5	57.9	59.1	60.6	58.9	63.6	64.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.4	53.5	50.4	49.1	53.0	53.2	50.5	53.8	58.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.1	52.0	48.9	48.1	53.7	54.1	52.3	58.1	60.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.3	54.3	50.7	49.2	56.9	54.5	52.4	57.2	60.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	69.9	61.4	56.0	56.2	59.5	59.5	61.6	68.1	69.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.0	60.8	59.2	57.9	58.1	62.3	60.8	67.2	69.5	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 4:30am to installation of underlid lighting, saw cutting rebar and drilling soil nails.

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

Exceedances:
 Site(s) 4, 9 and 10 exceedances 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, November 22, 2021 to Sunday, November 28, 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, November 23, 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	57.1	55.5	53.5	52.4	52.2	48.9	51.5	58.6	61.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.5	58.1	56.3	54.8	54.6	52.7	56.8	63.4	62.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.4	48.2	45.2	42.3	44.0	41.4	43.5	50.1	53.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	63.8	60.8	59.7	58.6	58.7	63.8	68.6	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.2	56.4	54.4	52.6	52.7	50.6	54.2	61.9	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.9	55.7	54.4	50.2	53.0	50.4	53.1	59.5	60.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.8	52.8	51.3	49.1	50.6	46.7	50.3	59.7	58.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	56.8	54.6	51.4	53.6	51.1	53.4	61.0	61.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	59.0	58.1	56.5	57.7	52.5	58.4	71.3	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.1	63.6	60.8	59.7	58.5	53.2	56.8	64.6	67.5	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 1:00am to installation of underlid lighting & drilling soil nails.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances 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, November 22, 2021 to Sunday, November 28, 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, November 24, 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	55.6	51.0	50.1	50.0	53.2	52.5	48.7	51.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	58.2	55.9	55.3	54.6	57.6	57.9	54.3	57.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.6	53.7	45.8	45.4	46.4	52.2	51.9	44.8	47.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.9	64.3	61.5	60.3	61.1	60.1	61.1	62.7	65.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	56.9	54.1	54.0	54.0	57.4	57.0	52.9	56.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.2	57.6	52.4	49.7	50.7	51.4	50.9	50.3	52.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.9	54.8	50.8	50.0	50.0	51.4	50.6	48.7	51.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.5	58.0	52.9	50.9	51.0	51.6	50.8	51.8	54.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.1	61.7	58.7	57.7	57.5	56.0	57.4	57.4	60.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.1	62.9	59.0	57.4	56.3	58.2	57.9	56.6	58.4	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 and 10 exceedances 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.
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**SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, November 22, 2021 to Sunday, November 28, 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, November 25, 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	56.3	52.7	49.5	48.6	49.2	51.1	49.6	49.8	52.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.4	58.3	55.1	53.2	50.7	52.9	53.1	55.0	59.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.0	49.7	46.2	44.5	43.2	45.9	47.7	46.1	50.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.5	63.4	60.5	58.4	57.2	58.1	60.5	62.8	66.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	56.5	53.4	51.5	49.3	51.6	51.5	53.4	57.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	53.0	51.9	50.5	48.8	51.9	50.4	50.8	52.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.9	52.2	48.9	47.7	48.9	48.2	47.5	49.5	52.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.1	54.3	52.1	51.0	56.6	53.7	51.6	52.9	54.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.0	60.7	56.9	56.1	55.5	55.5	56.5	58.4	61.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.1	61.1	57.0	55.5	57.1	54.1	55.3	57.6	59.6	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 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None

Legend

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NOISE MONITORING - WEEKLY REPORT**

Monday, November 22, 2021 to Sunday, November 28, 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, November 26, 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	58.6	56.8	53.8	50.5	49.3	49.7	50.2	49.9	52.9	55.1	57.8
Site 2 - 2015 E. Roanoke St	78	60.5	59.3	57.0	54.0	53.0	52.5	51.8	53.3	56.8	58.6	60.2
Site 3A - 3810 E. McGilvra St	62	50.5	50.8	48.5	44.8	44.5	43.9	44.1	43.8	46.6	48.3	51.1
Site 4 - 2800 Montlake Blvd E	66	65.8	66.6	62.5	59.6	59.0	58.0	57.7	61.3	64.9	65.7	67.0
Site 5 - 2565 22nd Av E.	65	58.9	57.5	55.4	52.1	51.5	51.5	50.5	52.2	55.5	57.0	58.9
Site 6 - 2160 E. Hamlin St	63	57.5	53.0	52.5	52.9	49.8	51.0	50.7	51.1	52.3	53.6	56.6
Site 7 - 2209 E. Lake Wa Blvd	66	56.7	55.2	52.5	49.2	48.6	48.2	47.6	48.4	51.5	53.6	56.5
Site 8 - Portable Between Sites 4 and 6	63	66.0	64.8	54.7	53.5	52.3	53.0	51.6	53.0	54.9	56.0	58.2
Site 9 - Portable Between Sites 1 and 7	66	62.0	61.3	58.5	55.1	55.6	54.2	54.2	55.9	59.1	60.9	63.9
Site 10 - Portable Between Sites 1 and 7	66	64.6	63.1	60.0	56.7	55.3	55.2	55.8	56.3	58.7	62.5	65.2

*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 & 8 exceedances 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.

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, November 22, 2021 to Sunday, November 28, 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, November 27, 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	54.8	52.0	51.6	50.3	51.2	49.6	52.0	52.8	54.2	56.1
Site 2 - 2015 E. Roanoke St	78	60.8	59.5	56.6	55.0	53.8	53.5	52.1	54.9	56.8	58.1	59.7
Site 3A - 3810 E. McGilvra St	62	52.4	51.0	50.1	50.6	49.8	50.0	49.8	49.5	50.8	52.9	53.5
Site 4 - 2800 Montlake Blvd E	66	66.7	64.3	62.8	60.7	59.8	58.4	58.8	62.8	65.5	69.8	65.6
Site 5 - 2565 22nd Av E.	65	59.6	58.4	55.3	53.8	52.5	52.9	51.3	54.4	55.7	56.5	58.6
Site 6 - 2160 E. Hamlin St	63	58.4	57.3	54.4	54.0	53.2	52.5	51.7	53.8	55.1	56.1	57.8
Site 7 - 2209 E. Lake Wa Blvd	66	55.9	54.5	51.7	50.8	49.6	49.0	48.1	50.8	52.1	55.0	54.9
Site 8 - Portable Between Sites 4 and 6	63	59.3	58.0	55.3	54.6	53.5	53.7	54.0	55.5	56.1	57.1	58.8
Site 9 - Portable Between Sites 1 and 7	66	64.4	62.1	59.7	57.6	55.9	55.7	53.6	57.6	59.7	66.8	62.3
Site 10 - Portable Between Sites 1 and 7	66	64.0	61.6	57.5	55.6	54.6	54.8	53.7	57.8	59.7	61.7	64.5

*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(s) 4 & 9 exceedances 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.

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Red = Noise Level Exceedance, project related

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Monday, November 22, 2021 to Sunday, November 28, 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, November 28, 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	53.0	51.4	48.8	47.3	43.3	44.7	50.3	55.3	58.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.0	56.2	54.1	51.5	49.6	49.9	54.5	58.4	61.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	47.9	46.2	45.0	42.0	39.7	39.7	44.1	49.1	51.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.8	61.9	59.2	59.3	57.1	56.5	61.2	66.5	68.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.3	54.5	52.5	50.2	47.8	48.1	52.8	56.3	59.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.4	49.8	47.7	46.8	43.5	47.1	49.6	54.2	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.5	50.4	47.6	46.6	43.2	44.2	48.2	54.1	57.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.8	52.7	51.4	50.2	46.7	48.4	50.6	55.3	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.3	58.0	55.5	53.7	51.3	51.1	56.0	62.7	65.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.5	58.5	55.8	52.5	50.1	49.6	57.1	63.6	67.1	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:

Sites(s) 4 & 10 exceedances 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.

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Red = Noise Level Exceedance, project related

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= No contract work . Portable monitors are not being used (not needed).

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, November 22, 2021 to Sunday, November 28, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
2021-11-23 6:00 a.m.	To: Project Hotline From: E. Lake Washington Blvd. Resident	6:00 a.m.: E. Lake Washington Blvd. resident called to complain about noise from work near the intersection of 24th Avenue East and Lake Washington Boulevard. The resident said it looked like cleanup from the weekend's demolition, with use of noisy equipment and that they shouldn't be working so early. Holly from the project hotline reminded him that crews can work before 7:00 a.m. but just have to stay below noise limits and said she would look into it and call him back.	Holly called and texted Bryan Neet, the ECM, but didn't reach him. She called Vaughn Jorgensen, who confirmed the work was cleanup from the weekend's demolition and that it would be done before the holiday weekend. Vaughn also said he would remind crews to try to minimize noise before 7 a.m., as a courtesy to the neighbors. 6:30 a.m.: Holly called the resident back to let the resident know that the complaint had been reported, and to confirm what the work was and tell him that it would be done before the holiday weekend. She also said crews would be reminded to minimize noise in the early morning. The resident said thank you.