

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, September 13, 2021** to **Sunday, September 19, 2021**

PUBLISHED SEPTEMBER 22, 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: 766

WEEKLY TOTALS

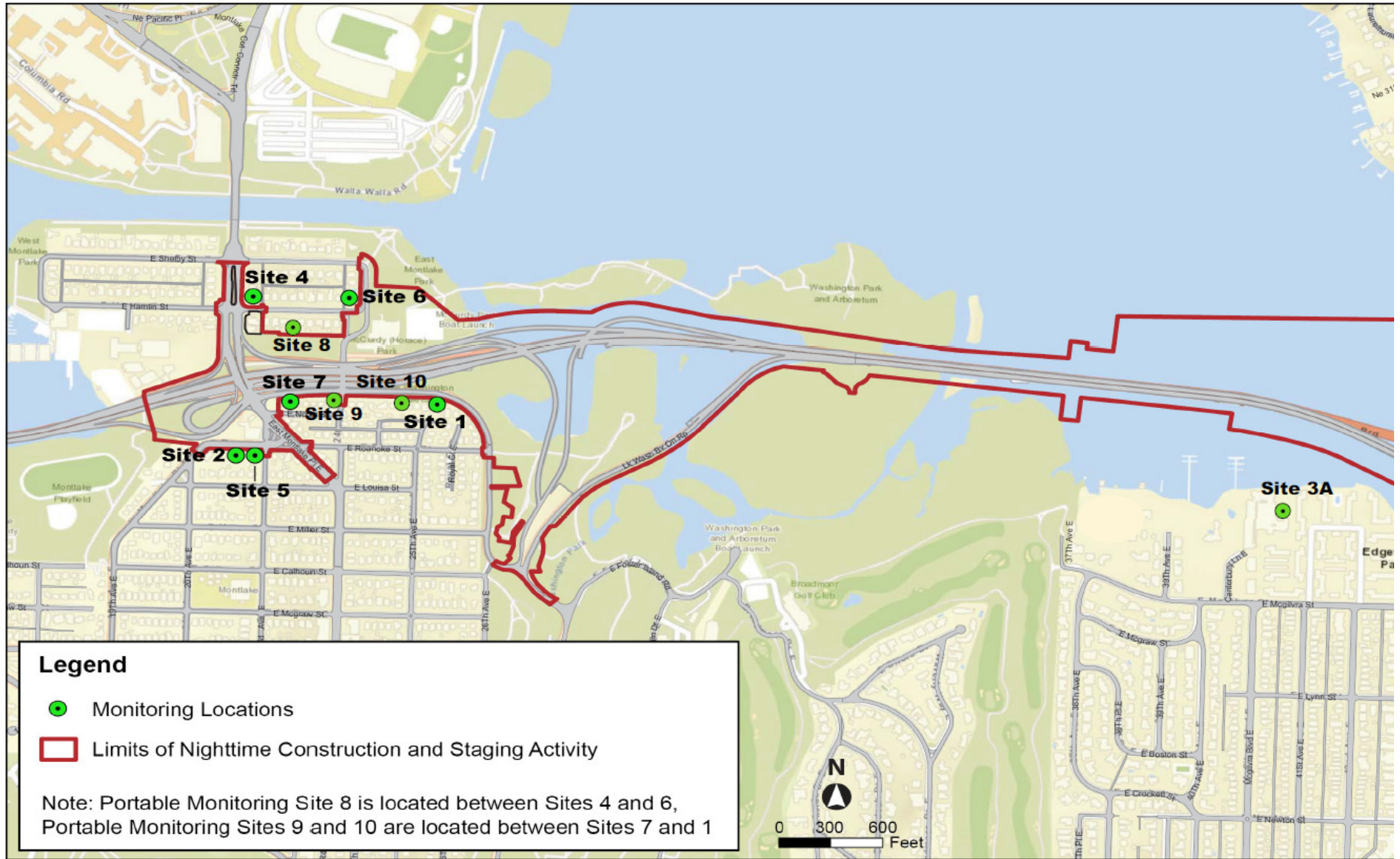
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	20

PROJECT TOTALS TO DATE

Total Nights Worked (under the MPPCNV)	358
Total Project related non-compliance	102
Total noise issue comments to the project	71
Total non-project related exceedances	2892

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, September 13, 2021 to Sunday, September 19, 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, September 13, 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	56.7	55.6	55.6	55.2	54.9	54.9	55.5	58.1	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.6	56.0	53.8	51.9	51.4	51.5	55.2	59.6	61.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	46.9	46.4	41.0	38.8	40.0	41.0	44.9	52.4	53.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	60.3	57.2	55.7	52.8	52.6	53.1	59.2	65.2	66.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.8	54.1	52.1	49.9	49.4	49.6	53.3	57.5	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.2	50.1	47.2	47.0	44.7	45.0	49.8	55.5	57.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.8	48.3	48.7	44.9	46.1	46.1	49.8	54.4	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	50.0	48.4	47.6	46.1	45.2	45.6	49.8	56.5	58.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.4	56.7	57.3	52.9	52.7	54.3	58.2	62.7	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.0	59.2	60.2	56.6	57.2	57.4	59.4	63.8	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 7:00am to install conduit under the montlake lid, strip forms, and abatement under the Montlake lid and set up for day work.

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.

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, September 13, 2021 to Sunday, September 19, 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, September 14, 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	53.4	50.5	47.2	44.9	47.4	49.5	50.2	57.0	59.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	56.8	52.8	51.0	54.4	53.6	54.9	60.7	63.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	45.5	42.7	44.4	52.0	52.3	52.4	52.0	55.4	56.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	60.7	57.0	53.4	55.6	56.5	60.4	65.2	67.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.4	54.8	50.8	49.6	53.3	51.9	52.5	58.8	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.9	47.4	41.9	39.7	42.3	43.5	45.3	49.9	52.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.1	48.2	45.0	42.6	44.5	46.0	48.3	52.4	60.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.0	49.3	44.3	41.3	44.3	44.0	47.9	52.6	54.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	57.2	54.2	54.4	52.8	55.8	56.8	61.2	68.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.5	59.5	56.8	53.1	55.3	56.9	57.6	63.5	67.3	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 7:00am to install lighting under the montlake lid, 26KV line removal, strip forms, and abatement under the Montlake lid and set up for day work.

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, September 13, 2021 to Sunday, September 19, 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, September 15, 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	53.8	50.7	48.9	46.8	48.5	48.8	50.3	56.8	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.0	53.6	52.2	50.3	50.8	52.6	55.8	60.1	63.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.7	50.0	47.4	40.9	39.5	40.6	44.8	50.5	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	61.6	58.8	57.2	54.0	55.1	55.5	61.1	65.6	68.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.4	51.8	50.2	48.5	48.7	50.5	53.9	57.9	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.8	49.7	48.3	44.3	44.5	44.9	48.9	55.6	57.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.7	48.3	46.2	44.2	46.4	46.1	49.9	54.2	60.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	50.7	48.9	49.0	44.9	45.6	45.3	48.8	55.1	57.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.5	56.3	53.6	52.5	52.9	57.1	55.8	62.9	66.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.2	57.7	55.1	54.0	55.5	56.5	57.3	63.6	67.7	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 7:00am to install lighting under the montlake lid, strip soffits, and abatement under the Montlake lid and set up for day work.

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, September 13, 2021 to Sunday, September 19, 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, September 16, 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	51.9	51.2	47.4	46.7	48.2	48.6	50.9	56.8	58.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.4	54.8	51.9	50.3	50.2	51.1	53.5	58.4	60.2	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	47.7	46.2	45.8	52.2	52.4	52.3	52.0	48.2	50.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	61.6	59.4	58.2	56.3	54.7	55.1	59.0	65.3	68.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.0	53.2	50.0	48.3	48.5	49.5	51.9	56.6	59.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	46.9	47.5	47.2	47.3	46.1	43.6	48.0	53.6	57.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.2	48.9	45.3	54.6	44.6	45.3	47.5	53.4	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	47.3	48.9	46.5	46.3	46.5	43.9	49.3	54.6	56.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	56.5	52.7	54.2	52.3	54.8	56.5	63.1	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.4	58.5	54.8	54.2	53.7	56.7	57.5	65.1	67.1	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 7:00am to install lighting under the montlake lid, strip soffits, and abatement under the Montlake lid, deliveries and set up for day work.

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

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Friday, September 17, 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	58.9	56.9	56.4	55.3	52.1	47.9	50.8	52.2	53.1	55.7	57.9
Site 2 - 2015 E. Roanoke St	78	64.0	61.3	61.8	60.5	56.2	52.3	54.2	56.1	58.0	59.4	61.1
Site 3A - 3810 E. McGilvra St	62	57.1	46.3	43.1	45.4	49.5	45.2	47.7	48.7	50.4	52.0	52.7
Site 4 - 2800 Montlake Blvd E	66	67.7	65.2	64.2	61.8	58.9	64.1	59.3	63.0	65.5	67.0	67.7
Site 5 - 2565 22nd Av E.	65	67.0	61.9	65.5	63.9	57.5	51.4	56.0	55.6	56.8	58.3	60.3
Site 6 - 2160 E. Hamlin St	63	58.8	57.5	57.8	55.3	53.5	50.1	50.6	54.0	58.2	59.0	59.4
Site 7 - 2209 E. Lake Wa Blvd	66	58.3	55.7	56.1	55.0	50.8	47.5	49.8	51.6	52.6	54.5	56.5
Site 8 - Portable Between Sites 4 and 6	63	59.5	58.4	56.2	53.9	51.6	49.6	50.5	56.7	56.2	58.1	59.6
Site 9 - Portable Between Sites 1 and 7	66	65.2	64.2	61.6	60.6	56.8	53.3	55.3	58.4	59.8	62.6	64.9
Site 10 - Portable Between Sites 1 and 7	66	65.2	63.7	62.5	61.4	58.3	52.5	56.0	57.6	59.4	63.1	66.0

*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, 5 and 10 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, September 13, 2021 to Sunday, September 19, 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, September 18, 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	57.4	54.8	51.0	49.3	50.3	49.3	48.0	48.9	51.2	53.5	57.4
Site 2 - 2015 E. Roanoke St	78	62.0	58.3	56.0	53.9	53.8	52.5	50.9	53.5	56.6	58.1	59.9
Site 3A - 3810 E. McGilvra St	62	52.5	48.5	47.7	52.2	52.4	52.1	51.6	43.2	46.0	47.5	54.1
Site 4 - 2800 Montlake Blvd E	66	66.7	63.3	60.9	59.4	58.8	55.3	55.0	59.3	63.6	64.5	65.3
Site 5 - 2565 22nd Av E.	65	63.5	57.8	54.8	52.4	52.4	50.8	49.8	51.8	55.0	57.0	58.4
Site 6 - 2160 E. Hamlin St	63	54.8	55.1	53.5	51.5	50.8	48.6	47.9	48.1	50.6	51.7	56.2
Site 7 - 2209 E. Lake Wa Blvd	66	55.9	53.0	49.9	48.0	48.1	46.6	45.6	47.4	49.9	51.9	54.8
Site 8 - Portable Between Sites 4 and 6	63	55.6	55.1	52.6	50.7	51.5	48.9	49.3	50.0	53.3	53.6	57.4
Site 9 - Portable Between Sites 1 and 7	66	65.2	62.3	58.1	55.2	54.8	53.9	51.6	54.1	56.8	59.9	62.1
Site 10 - Portable Between Sites 1 and 7	66	65.6	61.9	54.1	55.4	54.5	57.2	52.1	55.0	57.0	61.9	64.4

*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:

None.

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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NOISE MONITORING - WEEKLY REPORT

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The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Sunday, September 19, 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	54.5	51.3	46.9	50.2	43.9	48.6	54.0	57.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.8	57.7	53.5	50.9	53.6	61.8	53.3	58.3	62.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.9	45.3	46.5	51.9	52.2	52.0	51.7	47.3	52.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	59.8	61.5	55.6	52.1	52.9	55.7	59.3	65.7	67.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.0	56.5	52.3	49.0	53.7	67.4	51.6	56.5	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.4	58.9	51.2	47.8	49.0	46.0	48.6	51.6	53.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.0	53.8	49.2	43.9	46.2	54.3	46.4	52.2	55.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.9	60.9	52.2	48.9	50.6	50.0	49.9	55.2	55.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	60.6	55.1	50.6	55.2	50.0	53.4	61.0	63.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.5	59.1	55.0	52.0	55.2	48.7	54.0	62.0	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:

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

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NOISE MONITORING - WEEKLY REPORT

Monday, September 13, 2021 to Sunday, September 19, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
09/15/2021 - 7:48pm	To: Project Hotline From: Resident near site #8	Outside the MPPCNV Monitoring: Resident called the hotline to complained of a "noise behind her home that sounded like a chain saw."	Bob Derry (Public Information Manager) reported the complaint to Gary Stensland with PBS. The noise stopped by 8:30pm