



SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for

Monday, July 25, 2022

to

Sunday, July 31, 2022

PUBLISHED August 3rd, 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

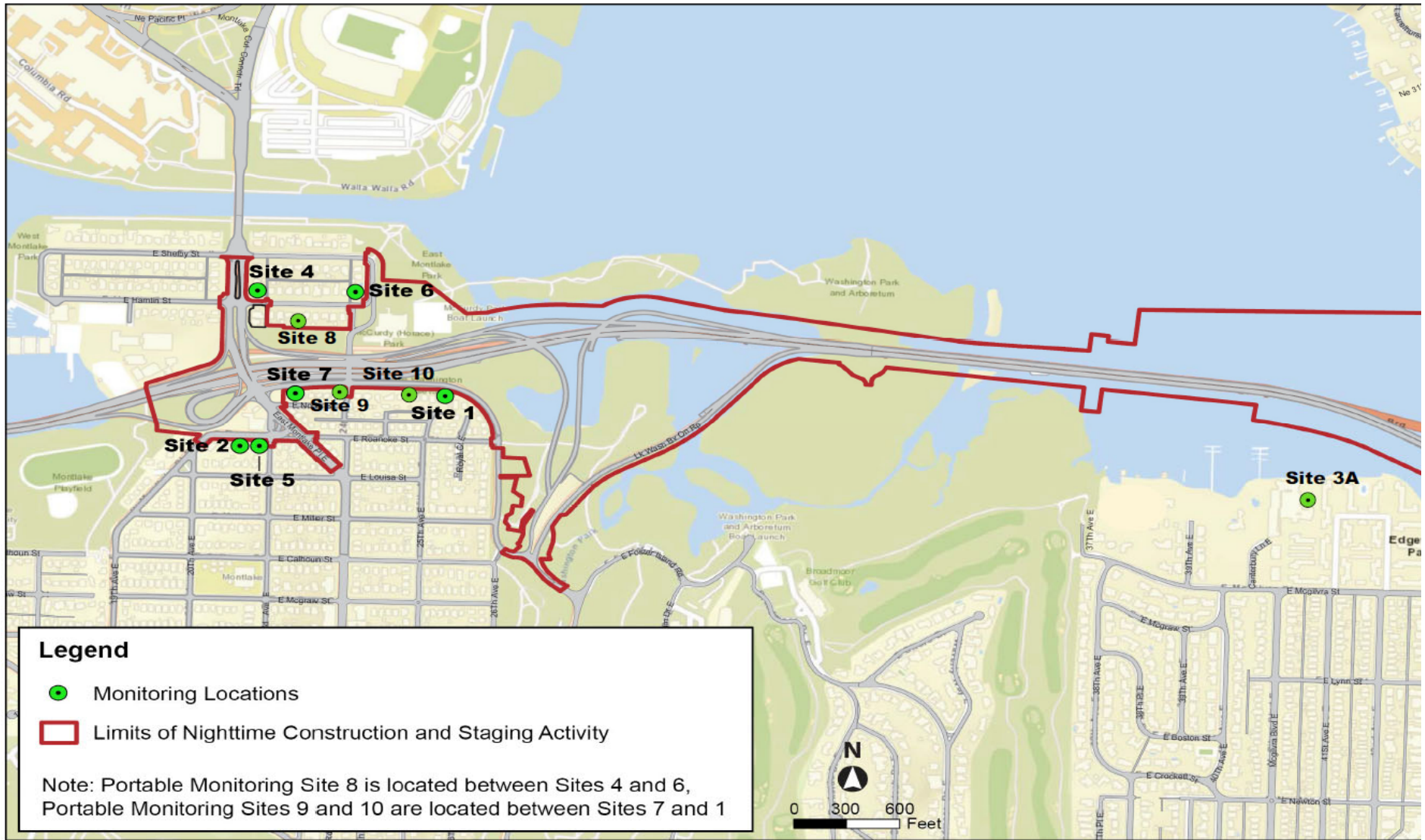
MPPCNV days to date: 1081

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	7

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	551
Total Project related non-compliance	116
Total noise issue comments to the project	124
Total non-project related exceedances	3828

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, July 25, 2022 to Sunday, July 31, 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, July 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	56.2	53.4	50.9	48.7	47.1	49.6	52.4	57.9	61.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.4	61.5	55.7	53.6	52.2	55.0	56.4	59.8	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	50.7	48.6	48.8	52.0	51.8	52.1	52.9	54.0	56.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	61.9	54.1	52.0	50.5	53.2	54.8	58.1	59.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.7	54.2	53.8	49.8	46.5	51.3	50.6	55.4	56.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.9	55.6	50.4	47.7	45.3	48.7	56.3	56.4	57.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.5	53.6	52.5	50.1	47.8	52.0	51.8	55.7	56.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.5	60.0	55.0	53.8	51.5	55.9	65.1	62.8	64.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	59.7	56.6	53.2	52.8	56.3	61	65.1	65.5	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:40am pulling wires on the EB SR 520 left lane closure under the lid, 6 workers on site.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

None.

Site 4a offline from 8:00pm 07/21/2022 till 3:15pm 07/26/2022 because the monitor battery died

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, July 25, 2022 to Sunday, July 31, 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, July 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	54.3	52.7	49.9	47.2	47.1	46.9	50.1	54.5	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.6	58.4	54.7	52.7	52.2	52.0	54.5	59.2	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	49.4	44.8	42.6	43.0	41.3	41.5	47.5	51.3	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.6	55.5	52.0	49.5	47.4	49.1	54.7	56.5	59.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	57.3	53.4	51.5	50.9	50.3	52.7	57.0	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.4	48.3	50.3	46.2	42.0	42.1	47.1	49.8	53.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.3	51.8	48.9	45.5	45.2	45.3	49.3	53.4	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.8	51.8	51.0	47.7	46.0	45.7	48.9	52.6	54.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.4	59.6	55.4	51.9	53.8	54.3	59.2	60.9	63.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.5	60.7	57.1	54.9	58.5	55.8	60.3	64.1	65.2	N/A	N/A
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:39am pulling wires on the EB SR 520 left lane closure under the lid, 7 workers on site. American Bridge worked between 5:00am and 7:00am on a diaphragm pour on the trestle.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

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, July 25, 2022 to Sunday, July 31, 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, July 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	54.7	52.4	49.9	49.9	48.8	53.3	48.2	49.8	54.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	57.1	54.6	52.5	58.6	56.3	59.9	63	62.6	N/A	N/A
Site 3A - Canterbury Shores	62	51	48.8	44.8	43.6	46.5	43.6	47.2	51.1	54.7	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	60.4	54	50.8	50.4	54.4	51.7	55.6	57.8	59	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	55.8	53	51	57.3	53.7	57.1	62	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.7	51.5	49.2	49.1	52.6	45.7	46.9	51.1	52.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	51	48.5	47.7	52.7	48.2	50.8	56.2	55.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	51.5	49.4	49	48.6	49.9	52.1	54.3	55	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	69.3	58.5	55.2	52.6	60.3	56.8	59.9	65.9	63.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.7	60.9	58.2	54.7	59.5	57.3	57.7	63.8	64.8	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 on the left lanes of EB/WB SR 520 under the lid. Graham worked between 2:15am and 7:00am on a footing pour at Pier 3 West. Salinas worked between 5:30am and 7:00am preparing for a shoulder panel pour on the DXEI ramp.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 9 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, July 25, 2022 to Sunday, July 31, 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, July 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	57.6	57.1	57.4	54.1	50.1	48.0	46.0	48.4	49.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	64.2	61.0	59.3	57.1	55.1	53.4	53.5	57.3	56.4	N/A	N/A
Site 3A - Canterbury Shores	62	52.8	49.4	47.7	51.9	52.2	52.2	53.2	54.8	55.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.5	54.4	51.6	49.6	50.5	59.9	53.3	56.5	58.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	55.8	53.8	52.5	52.1	55.8	55.0	58.2	60.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.0	52.2	49.4	56.9	43.9	46.0	47.2	51.3	53.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.5	52.0	49.8	47.6	45.5	55.2	54.0	53.0	57.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.7	52.3	50.3	47.3	46.0	51.1	49.8	53.1	54.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	57.7	56.2	54.9	54.1	68.7	61.2	61.2	65.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.2	61.0	58.1	56.5	53.0	56.6	56.9	62.3	65.8	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 on the EB SR 520 right lane closure under the lid, 5 workers on site.

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

Exceedances:
Sites 9 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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Monday, July 25, 2022 to Sunday, July 31, 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, July 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	58.3	57.0	57.2	55.7	56.2	51.9	50.7	46.6	47.3	51.1	51.4
Site 2 - 2015 E. Roanoke St	78	62.7	59.0	59.8	61.8	55.2	54.4	54.0	56.5	58.2	59.7	62.8
Site 3A - Canterbury Shores	62	54.3	50.5	50.0	52.7	52.6	52.1	52.9	52.8	53.5	53.7	54.7
Site 4A - 2110 E. Hamlin St	66	59.9	55.5	58.7	62.5	51.2	49.9	50.0	51.9	55.6	56.0	62.3
Site 5 - 2565 22nd Av E.	65	61.2	57.6	57.9	60.0	53.3	52.9	52.5	54.6	56.5	58.3	61.7
Site 6 - 2160 E. Hamlin St	63	54.6	56.4	57.5	55.6	48.0	45.0	45.2	47.1	48.7	49.1	59.5
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	54.1	57.9	58.0	47.8	46.2	46.3	49.5	50.9	52.4	58.6
Site 8 - Portable Between Sites 4 and 6	63	57.6	55.3	59.4	55.1	49.5	47.4	47.2	49.0	50.7	52.4	62.0
Site 9 - Portable Between Sites 1 and 7	66	62.9	59.1	59.9	67.3	53.8	53.8	53.7	59.2	59.6	60.7	65.2
Site 10 - Portable Between Sites 1 and 7	66	63.1	62.0	61.1	57.3	55.9	52.6	54.0	58.5	59.8	62.4	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:

Sites 9 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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= No contract work . Portable monitors are not being used (not needed).

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Monday, July 25, 2022 to Sunday, July 31, 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, July 30, 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	58.1	57.2	56.8	55.9	54.6	53.9	57.7	49	46.7	50.2
Site 2 - 2015 E. Roanoke St	78	61.8	61.6	66.1	60.2	62.9	57.5	61.5	54	54.9	56.7	57.4
Site 3A - Canterbury Shores	62	53.8	51.6	51.2	52.9	52.6	52.3	52.6	52.9	52.9	53.8	50.8
Site 4A - 2110 E. Hamlin St	66	59.3	55.6	58.5	52.7	58.9	55.0	49.7	56.1	54.6	56.4	56.3
Site 5 - 2565 22nd Av E.	65	67.6	58.8	58.6	56.4	59.9	52.6	54.3	55.5	55.7	57.0	56.8
Site 6 - 2160 E. Hamlin St	63	55.7	52.9	53.2	50.9	52.1	47.2	44.5	49.0	47.4	48.5	52.4
Site 7 - 2209 E. Lake Wa Blvd	66	59.0	53.9	52.8	50.7	55.9	47.7	47.4	51.2	49.7	51.7	53.1
Site 8 - Portable Between Sites 4 and 6	63	59.3	53.7	53.6	50.9	53.0	49.6	47.3	52.6	51.3	50.7	53.3
Site 9 - Portable Between Sites 1 and 7	66	67.0	61.5	59.5	56.3	67.6	54.5	58.4	63.3	57.5	59.5	59.2
Site 10 - Portable Between Sites 1 and 7	66	63.6	62.5	60.4	58.8	59.1	54.6	52.1	56.2	58.4	61.6	63.7

*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 5 & 9 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

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

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Monday, July 25, 2022 to Sunday, July 31, 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, July 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	56.4	56.3	50.8	50.8	52.0	45.1	43.8	48.6	55.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.4	61.8	59.5	55.8	52.5	52.0	55.0	59.2	60.8	N/A	N/A
Site 3A - Canterbury Shores	62	49.4	47.8	47.0	44.7	42.7	42.3	44.3	49.6	51.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	55.5	60.6	51.7	59.3	49.8	49.6	53.4	57.1	58.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.8	59.1	58.1	54.5	54.5	51.1	50.1	53.5	57.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.5	55.0	51.8	51.8	56.0	43.4	42.3	45.1	49.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.7	56.3	56.0	53.0	45.2	43.8	48.5	54.3	55.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.2	55.6	50.4	58.3	45.7	45.5	48.6	52.4	54.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.6	68.7	65.4	57.4	52.5	53.1	56.8	62.0	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.8	60.8	56.4	55.8	50.6	48.8	56.9	65.0	65.3	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 9 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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= No contract work . Portable monitors are not being used (not needed).

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Monday, July 25, 2022 to Sunday, July 31, 2022 10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)

Public Comment Log			
Date / Time	To/From	Issue	Resolution