

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, August 8, 2022** to **Sunday, August 14, 2022**

PUBLISHED August 17th, 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**

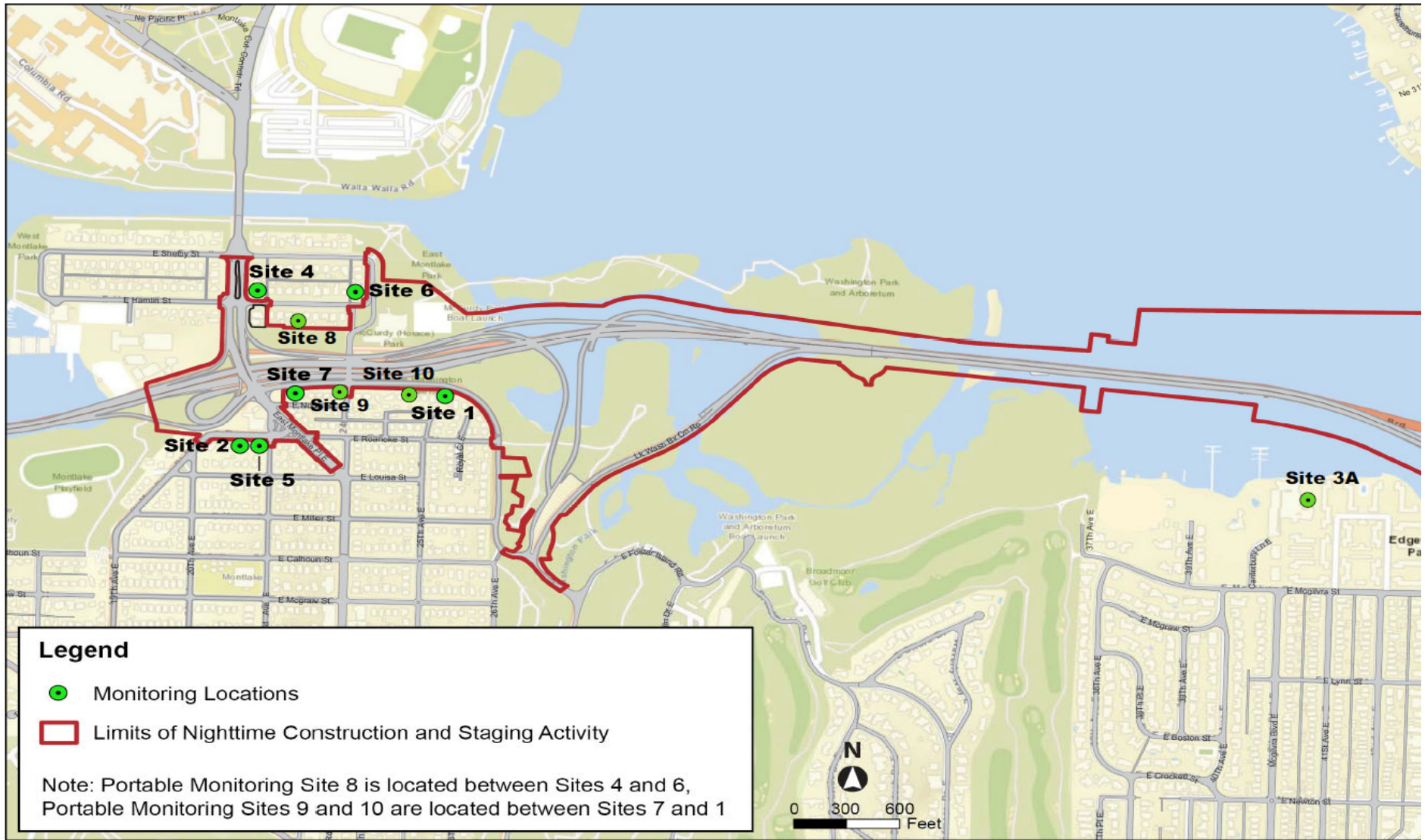
MPPCNV days to date: **1095**

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	8

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	559
Total Project related non-compliance	116
Total noise issue comments to the project	124
Total non-project related exceedances	3847

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, August 8, 2022 to Sunday, August 14, 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, August 8, 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	53.9	52.5	50.6	45.3	48.3	49.9	50.9	55.1	56.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	58.1	56.0	55.0	53.5	55.5	58.0	59.0	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	50.9	49.1	47.5	52.0	51.9	52.4	53.1	53.5	54.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.8	53.7	51.6	56.3	47.4	50.1	53.9	57.6	59.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	56.4	54.3	52.7	50.9	52.8	55.8	57.3	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.1	58.0	47.6	44.0	43.5	45.9	46.7	50.4	51.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	50.5	48.6	46.4	48.7	48.5	50.3	53.9	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.9	51.1	48.1	47.3	46.5	46.6	50.4	53.5	54.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.6	58.7	56.2	55.6	55.1	57.6	60.2	62.2	63.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.4	60.6	58.8	53.1	57.3	59.2	61.1	64.9	65.3	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 and WB left lane closures under the lid, 5 workers on site. PSC worked between 10:00pm and 12:10am placing traffic barriers along DXEI ramp. PRS worked between 1:50am and 5:20am grinding the roadway on the DXEI Ramp. American bridge worked between 5:00am and 7:00am on a concrete deck 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, August 8, 2022 to Sunday, August 14, 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, August 9, 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	56.5	55.3	54.4	48.4	46.4	48.1	50.7	54.8	57.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.9	58.3	58.0	54.2	53.3	53.2	55.8	61.8	60.5	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	49.8	53.0	52.1	52.4	52.3	53.2	53.2	55.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.0	54.4	58.5	51.5	50.1	51.0	53.1	60.4	59.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.5	56.8	56.5	52.6	51.6	51.4	53.9	59.3	58.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.9	51.4	55.4	46.8	45.7	46.2	47.2	52.4	55.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	50.8	52.8	46.9	45.0	45.7	49.0	58.0	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.0	52.7	54.6	48.4	47.2	46.9	49.2	55.2	56.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.1	58.4	58.3	55.1	53.0	54.1	57.7	67.9	64.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	60.7	60.4	54.3	51.9	56.0	58.9	64.6	66.2	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am pulling wires on the EB SR 520 right lane and WB left lane closures under the lid, 6 workers on site. Graham worked between 10:00pm and 5:35am removing debris from the DXEI laydown yard. American bridge worked between 5:00am and 7:00am on a concrete deck pour on the 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, August 8, 2022 to Sunday, August 14, 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, August 10, 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	55.5	53.4	52.8	52.8	50.1	53	49.4	50.9	56	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	58.2	55.3	54.8	54.2	54.2	56.3	59.8	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	48	45.8	48.8	52.2	52.5	52.8	53.6	54.9	57.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.6	55.9	52.7	52.8	52.2	50.4	52.7	56.3	58.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	56.7	53.8	53.1	53.4	52.7	54.5	58	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54	51.4	51.2	52.3	51.9	46.5	47.3	50.9	54.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	51.9	49.8	50.8	52.5	48.1	50.6	60	58.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.5	53.8	51.7	51.2	50.2	48.2	49.8	54	56.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.3	59.2	55.9	59.1	58.5	56.3	59.4	64.6	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	61.2	57.4	56.2	59.1	57.7	59.9	65	66.8	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 and WB left lane closures under the lid, 6 workers on site. American bridge worked between 4:00am and 7:00am on a concrete deck pour on the trestle.

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

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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, August 8, 2022 to Sunday, August 14, 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, August 11, 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	58.2	55.5	55.3	50.1	49.1	49.7	50.1	55.4	57.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	58.3	57.4	54.2	53.3	54.8	56.8	60.7	62.7	N/A	N/A
Site 3A - Canterbury Shores	62	51.3	48.7	47.9	54.4	52.4	52.8	53.2	54.2	55.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.4	56.7	56.3	56.1	50.9	51.9	54.6	57.9	59.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	56.8	56.3	52.5	51.5	53.0	54.6	58.6	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.4	52.8	50.8	49.9	47.4	51.5	51.3	53.9	56.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	52.9	51.9	48.8	46.2	50.9	50.6	54.6	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	51.8	51.6	48.8	46.9	49.4	50.9	55.0	56.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.9	60.0	59.2	56.5	53.8	57.6	57.6	61.8	63.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.4	63.5	60.3	60.5	56.7	56.7	57.2	62.8	64.9	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 and WB left lane closures under the lid, 5 workers on site. Graham worked between 10:00pm and 3:00am paving and preparing the road on Pier 1, 3, and the DXEI merging lanes. Graham worked between 5:00am and 7:00am on a concrete pour and tying rebar at Pier 3.

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

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, August 8, 2022 to Sunday, August 14, 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, August 12, 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	55.4	56.3	55.2	52.0	49.3	49.7	48.4	50.4	53.5	55.7	58.1
Site 2 - 2015 E. Roanoke St	78	59.5	58.6	56.6	55.4	57.2	54.8	57.4	56.0	58.0	60.0	61.2
Site 3A - Canterbury Shores	62	47.6	52.0	52.3	52.4	52.3	52.5	52.6	53.3	55.6	55.8	52.9
Site 4A - 2110 E. Hamlin St	66	58.5	57.1	56.3	53.9	52.3	53.1	52.0	54.0	57.4	58.8	59.9
Site 5 - 2565 22nd Av E.	65	58.5	57.5	56.1	54.6	55.7	53.4	55.3	54.3	56.3	58.7	60.2
Site 6 - 2160 E. Hamlin St	63	54.7	56.3	57.1	53.6	50.5	50.7	48.8	50.1	52.1	54.0	57.5
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	53.2	51.4	50.8	48.0	47.4	47.5	50.5	51.7	53.6	60.5
Site 8 - Portable Between Sites 4 and 6	63	56.4	54.5	54.2	50.6	51.3	52.0	50.2	51.9	53.7	54.8	58.2
Site 9 - Portable Between Sites 1 and 7	66	61.8	60.6	58.1	57.4	55.7	55.2	55.4	57.4	60.1	61.4	67.0
Site 10 - Portable Between Sites 1 and 7	66	63.9	64.5	62.4	60.4	56.4	56.1	56.5	59.1	62.4	65.1	66.7

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 9:00am paving and preparing the road on Pier 1, and the DXEI merging lanes. Elcon worked between 6:00am and 9:00am doing electrical work.

Public Comments:

A nearby resident text hotline personal Bob Derry's personal phone while he was asleep at 12:10am. to saying the following via 2 texts, "After midnight and I'm trying to sleep through what sounds like a jack hammer. Started an hour ago. Wondering why a hotel wasn't offered with this kind of work going on so close to our house? I don't get it. Too late for a hotel room now but maybe next time, a little warning and offer would be nice! I just got your voicemail Now! This noise is unbeatable! I cannot understand why a hotel wasn't offered. No way I can sleep in my bedroom with it going on. But your voicemail did not mention a hotel room. If you could hear this Bob you would understand my bewilderment. It's AWFUL"

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

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, August 8, 2022 to Sunday, August 14, 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, August 13, 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	57.1	57.3	54.1	55.4	51.3	50.4	50.3	50.7	53.8	56.6	59.7
Site 2 - 2015 E. Roanoke St	78	61.5	60.4	58.9	58.7	57	54.6	53.4	54.5	57.3	58.4	59.6
Site 3A - Canterbury Shores	62	50.8	51.3	49.2	53.6	52.6	52.3	52.4	52.9	53.2	54.1	55.0
Site 4A - 2110 E. Hamlin St	66	56.6	56.5	56.0	53.4	56.4	49.1	49.2	51.5	55.9	56.1	57.3
Site 5 - 2565 22nd Av E.	65	59.9	58.4	56.3	55.7	54.6	52.0	51.1	52.8	55.9	56.8	58.4
Site 6 - 2160 E. Hamlin St	63	52.6	54.5	54.7	53.0	53.2	50.8	49.7	51.4	50.8	52.4	54.1
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	55.3	52.3	52.8	52.6	48.0	47.9	49.5	52.6	52.9	55.1
Site 8 - Portable Between Sites 4 and 6	63	53.8	55.1	53.1	52.3	53.0	50.2	48.8	50.7	53.5	53.9	55.8
Site 9 - Portable Between Sites 1 and 7	66	61.3	59.5	57.0	58.3	66.2	52.1	52.5	54.6	59.7	59.4	61.0
Site 10 - Portable Between Sites 1 and 7	66	63.9	63.6	61.3	61.4	58.1	55.8	56.6	58.1	61.9	64.4	70.3

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 9:00am paving and preparing the road on Pier 1, and the DXEI merging lanes.

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.

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Monday, August 8, 2022 to Sunday, August 14, 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, August 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	55.9	53.6	56.3	56.3	54.7	53.0	48.0	50.7	55.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	58.9	59.7	56.2	51.5	53.1	55.5	59.4	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	50.3	47.2	47.2	43.9	41.0	43.0	45.0	49.6	53.2	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.3	54.1	52.6	49.3	47.9	48.5	52.6	58.4	59.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	56.9	56.4	54.0	54.0	49.8	52.1	53.5	57.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.6	50.5	55.9	55.9	50.2	48.8	49.2	49.8	53.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.2	51.5	50.7	47.8	52.4	47.2	50.0	55.3	57.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.6	51.3	51.3	48.5	49.7	48.4	50.4	53.9	56	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	55.5	55.2	64.9	53.3	56.9	62.5	62.8	71.5	64.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.8	60.9	60.2	58.7	58.9	54.0	57.5	64.2	65.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 1:20am paving and preparing the road on Pier 1, and the DXEI merging lanes. PSC worked between 10:00pm and 12:40am on setting traffic barriers. SPM worked between 12:00am and 3:29am on striping the project area.

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).

**SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, August 8, 2022 to Sunday, August 14, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
12:10 a.m. 08/13/2022	From: Nearby resident To: Project Email	<p>A nearby resident text hotline personal Bob Derry's personal phone while he was asleep at 12:10am. to saying the following via 2 texts, "After midnight and I'm trying to sleep through what sounds like a jack hammer. Started an hour ago. Wondering why a hotel wasn't offered with this kind of work going on so close to our house? I don't get it. Too late for a hotel room now but maybe next time, a little warning and offer would be nice! I just got your voicemail Now! This noise is unbeatable! I cannot understand why a hotel wasn't offered. No way I can sleep in my bedroom with it going on. But your voicemail did not mention a hotel room. If you could hear this Bob you would understand my bewilderment. It's AWFUL"</p>	<p>On the 5th of August, the resident was sent a TNV notice about upcoming work. Bob Derry attempted to contact the resident before the work that night to offer a hotel but was only able to reach the voice mail of the resident. The resident was offered a hotel room for the following night of work.</p>