

## SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 10, 2022** to **Sunday, October 16, 2022**

PUBLISHED October 19, 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**

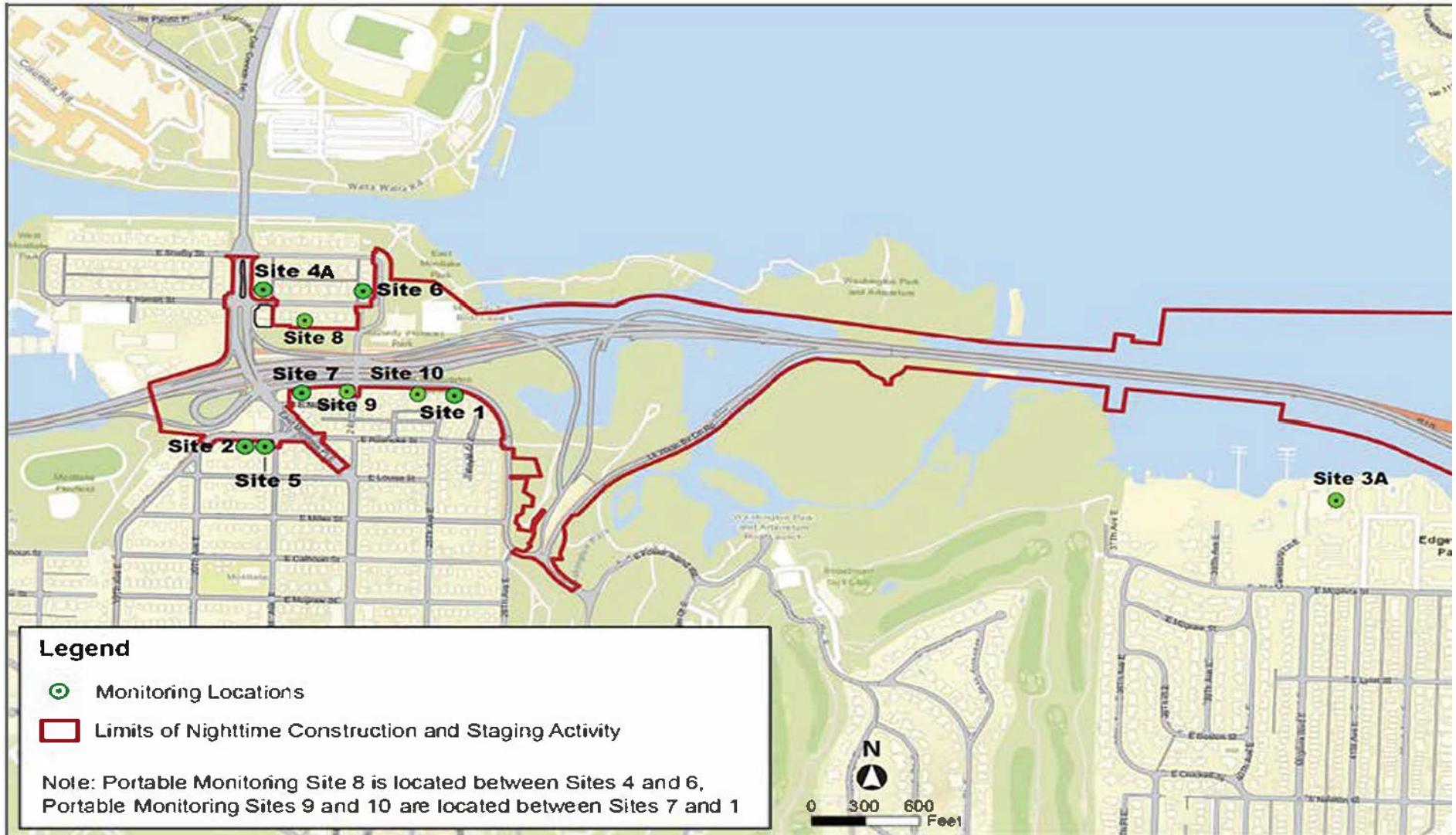
MPPCNV days to date: **1158**

<b>WEEKLY TOTALS</b>	
Nights worked this week (under the MPPCNV)	5
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	12

<b>PROJECT TOTALS TO DATE</b>	
Total Nights Worked (under the MPPCNV)	605
Total Project related non-compliance	117
Total noise issue comments to the project	125
Total non-project related exceedances	3914

**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, October 10, 2022 to Sunday, October 16, 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

<b>Monday, October 10, 2022</b>												
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	54.0	51.7	48.8	49.1	48.7	46.9	51.3	55.7	59.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.1	55.1	54.0	51.5	52.5	53.8	57.0	60.2	63.1	N/A	N/A
Site 3A - Canterbury Shores	62	47.4	43.4	44.9	52.5	52.9	52.9	53.2	54.7	56.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	54.9	52.8	53.1	48.1	49.1	52.7	55.9	58.5	60.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.5	53.2	52.0	49.7	50.9	51.9	54.9	58.4	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.7	49.3	47.7	46.1	46.4	48.1	51.5	54.8	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.9	48.7	49.8	45.9	45.3	48.3	51.3	55.1	64.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.9	48.7	47.0	44.6	46.9	48.5	52.5	55.8	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.2	56.2	59.9	53.8	52.3	57.6	59.6	61.8	69.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	59.9	57.2	57.3	55.9	53.4	59.5	64.6	67.5	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 working on installing and removing conduits on WB SR 520 and DXEI merging lanes, 7 workers on site. Graham worked between 10:00pm and 4:35am on installing drainage and working on the Montlake lid. American Bridge worked between 6:00am and 7:00am on the trestle pouring concrete.

**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, October 10, 2022 to Sunday, October 16, 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

<b>Tuesday, October 11, 2022</b>												
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	55.8	54.9	53.9	54.3	48.6	51.8	53.3	57.9	60.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	58.1	57.2	54.0	53.9	61.3	58.3	61.2	63.3	N/A	N/A
Site 3A - Canterbury Shores	62	49.2	48.2	44.5	41.6	40.4	44.5	45.5	50.4	53.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.6	54.4	53.5	49.8	52.1	50.7	54.9	58.6	60.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	56.9	55.3	52.4	52.3	61.3	57.0	60.0	61.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.4	53.5	53.2	51.5	55.5	53.4	57.3	58.3	60.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	51.9	51.4	52.2	52.6	55.8	59.5	60.3	61.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.9	53.0	52.4	50.0	51.9	51.9	55.2	57.8	59.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.4	59.7	59.4	58.7	57.5	58.6	65.5	63.4	64.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.0	61.9	60.0	61.0	55.7	59.8	60.2	64.9	67.9	N/A	N/A

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Elcon worked between 10:00pm and 3:33am working on installing and removing conduits on WB SR 520 and DXEI merging lanes, 7 workers on site. Graham worked between 10:00pm and 2:40am on installing drainage and working on the Montlake lid.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site 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

~ = 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, October 10, 2022 to Sunday, October 16, 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

<b>Wednesday, October 12, 2022</b>												
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	55	51.6	50.7	49.3	51	53.5	57.3	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.4	58.9	56.6	55.3	54.1	53.9	58	61.3	64.7	N/A	N/A
Site 3A - Canterbury Shores	62	50.3	48.9	48.1	52.9	53	53.1	53.7	55.2	56.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.8	55.7	53.1	51	51	50.6	56.5	58.5	60.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	57.5	55	54	52.7	52.3	56.5	60	63.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.3	56.3	54.6	52	51.5	50.6	55.7	57.5	59.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.9	53.1	50.9	49.2	49	48.5	55.2	55.8	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	55.4	53.3	51.1	50.6	50.1	55.6	57.9	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.1	58.6	57.5	55.2	56.5	54.7	66.7	62.3	66	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.5	61.8	59.8	57.7	56.6	58.5	60.1	65.2	67.5	N/A	N/A

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Elcon worked between 10:00pm and 3:33am working on installing and removing conduits on WB SR 520 and DXEI merging lanes, 7 workers on site. Graham worked between 10:00pm and 2:40am on installing drainage and working on the Montlake lid. American Bridge worked between 6:00am and 7:00am on a concrete pour on 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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
**Monday, October 10, 2022 to Sunday, October 16, 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

<b>Thursday, October 13, 2022</b>												
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	57.3	54.4	52.0	50.6	49.2	49.6	51.5	56.6	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.4	59.8	57.0	57.4	54.5	54.6	57.5	60.6	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	51.3	50.3	46.6	44.7	44.5	45.2	46.1	50.1	54.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.1	56.1	53.4	59.7	51.4	51.9	54.2	59.0	60.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.4	58.4	55.4	55.5	52.8	53.3	56.0	59.2	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.3	55.3	54.1	52.3	51.6	51.9	53.8	58.1	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	53.3	51.3	55.2	48.5	49.5	55.0	55.6	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.2	55.3	53.9	53.9	51.1	51.6	53.8	58.1	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.2	60.6	58.0	67.9	55.5	56.9	64.8	62.7	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.8	61.0	59.1	57.1	54.7	55.8	58.9	64.4	67.2	N/A	N/A

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Elcon worked between 10:00pm and 2:50am working on installing and removing conduits on WB SR 520 and DXEI merging lanes, 7 workers on site. Graham worked between 10:00pm and 1:40am on installing drainage and working on the Montlake lid.

**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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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, October 10, 2022 to Sunday, October 16, 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

<b>Friday, October 14, 2022</b>												
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	58.0	56.1	55.9	53.0	51.0	51.6	54.0	55.1	59.2	61.2
Site 2 - 2015 E. Roanoke St	78	61.3	63.0	61.2	59.7	60.8	56.0	56.3	58.0	59.3	62.9	63.1
Site 3A - Canterbury Shores	62	51.1	51.8	51.4	53.8	53.3	53.1	53.2	54.3	54.5	52.8	53.6
Site 4A - 2110 E. Hamlin St	66	57.4	59.6	55.6	57.7	53.9	52.4	53.3	55.5	57.1	64.3	61.1
Site 5 - 2565 22nd Av E.	65	59.8	60.9	59.7	58.4	61.8	54.6	54.8	56.9	57.9	61.4	61.8
Site 6 - 2160 E. Hamlin St	63	56.8	55.9	55.5	57.5	55.8	54.2	52.8	55.5	56.1	56.2	55.5
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	56.4	54.9	54.8	53.5	50.3	50.3	53.0	54.4	58.8	57.4
Site 8 - Portable Between Sites 4 and 6	63	57.1	57.5	56.3	57.2	56.1	53.6	53.6	57.1	56	57.2	58.1
Site 9 - Portable Between Sites 1 and 7	66	61.0	61.3	60.0	59.9	59.1	55.6	55.7	58.6	61.3	69.2	64.3
Site 10 - Portable Between Sites 1 and 7	66	64.7	64.5	62.3	61.3	58.4	55.8	56.9	60.4	61.8	67.1	71.1

\*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**

Graham worked between 7:00am and 9:00am on excavating and exporting spoils with 7 workers in the yard and on the left median of the Montlake Blvd E to WB SR 520 on-ramp. American Bridge worked between 7:00am and 9:00am working on rebar ties and equipment transports, with 4 workers on the SR520 bridge.

**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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, October 10, 2022 to Sunday, October 16, 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

<b>Saturday, October 15, 2022</b>												
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	55.4	53.7	52.4	51.8	50.2	49.3	50.2	51.6	54.5	57.2
Site 2 - 2015 E. Roanoke St	78	63.1	62.6	60.9	60.3	63.4	60.5	56.7	57.7	59.5	61	62.6
Site 3A - Canterbury Shores	62	55.6	55.3	53.7	52.5	50.3	49.7	47.0	47.8	50.8	52.2	54.3
Site 4A - 2110 E. Hamlin St	66	59.0	58.8	57.0	56.0	56.2	58.6	54.1	55.0	56.7	58.0	59.1
Site 5 - 2565 22nd Av E.	65	61.7	61.0	59.4	59.4	63.9	57.4	55.3	56.1	58.0	59.5	61.1
Site 6 - 2160 E. Hamlin St	63	58.4	59.1	58.4	58.0	56.0	57.9	52.6	52.2	53.7	55.0	56.6
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	56.8	55.6	54.8	55.7	53.6	51.1	51.3	52.3	54.2	55.8
Site 8 - Portable Between Sites 4 and 6	63	58.3	58.5	57.4	56.8	55.2	55.1	52.5	52.3	54.1	56.0	57.7
Site 9 - Portable Between Sites 1 and 7	66	62.1	61.9	60.0	61.6	65.5	63.5	57.4	58.3	59.5	63.8	62.4
Site 10 - Portable Between Sites 1 and 7	66	64.8	62.3	60.5	58.4	56.4	54.5	52.5	57.3	57.3	62.0	65.4

\*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:**

No Exceedances

**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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**NOISE MONITORING - WEEKLY REPORT**  
Monday, October 10, 2022 to Sunday, October 16, 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

<b>Sunday, October 16, 2022</b>												
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	51.3	51.5	48.4	49.3	44.5	43.0	50.2	53.9	57.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.5	55.8	53.5	52.9	51.3	49.7	55.2	57.6	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	44.8	43.9	42.8	42.2	38.7	40.5	47.8	45.3	47.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	55.8	55.0	52.8	52.3	49.5	49.6	55.6	58.7	60.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.1	54.4	52.8	52.8	50.9	48.2	53.8	56.0	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.4	52.9	51.2	51.1	48.0	47.8	53.9	55.2	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.5	50.0	48.2	48.4	45.0	43.5	52.5	54.8	57.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.2	53.5	52.0	52.7	48.1	47.9	53.4	55.2	56.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.8	56.4	54.8	54.0	52.1	51.0	60.2	61.0	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.1	58.2	55.2	52.9	51.2	47.9	57.3	63.5	66.5	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 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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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**

Monday, October 10, 2022 to Sunday, October 16, 2022

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

<b>Public Comment Log</b>			
<b>Date / Time</b>	<b>To/From</b>	<b>Issue</b>	<b>Resolution</b>