

## SR 520 Montlake Project

### Noise Monitoring Weekly Report Summary for **Monday, September 26, 2022** to **Sunday, October 2, 2022**

**PUBLISHED October 5, 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**

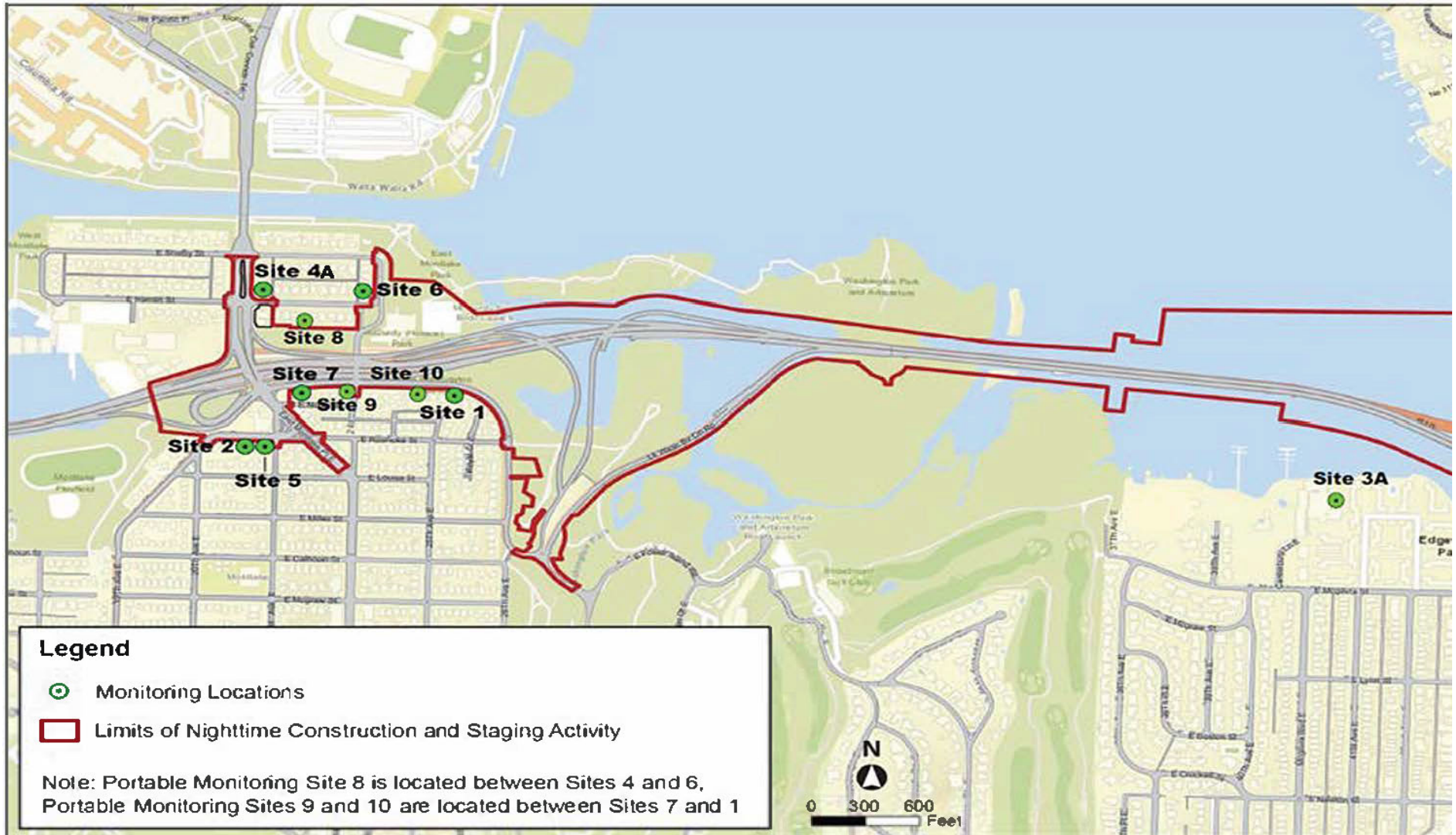
**MPPCNV days to date: 1144**

<b>WEEKLY TOTALS</b>	
<b>Nights worked this week (under the MPPCNV)</b>	<b>7</b>
<b>Project related non-compliance this week</b>	<b>0</b>
<b>Nighttime noise issue comments to the project</b>	<b>0</b>
<b>Non-project-related noise exceedances this week</b>	<b>6</b>

<b>PROJECT TOTALS TO DATE</b>	
<b>Total Nights Worked (under the MPPCNV)</b>	<b>595</b>
<b>Total Project related non-compliance</b>	<b>116</b>
<b>Total noise issue comments to the project</b>	<b>125</b>
<b>Total non-project related exceedances</b>	<b>3895</b>

**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 26, 2022 to Sunday, October 2, 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, September 26, 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	55.6	53.7	51.5	47.6	47.4	48.5	51.8	56.1	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.5	58.6	56.3	53.2	52.0	53.0	57.7	60.5	62.2	N/A	N/A
Site 3A - Canterbury Shores	62	52.0	47.9	47.2	52.5	52.7	52.8	53.4	55.0	55.7	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.4	54.5	57.0	50.1	49.9	50.1	53.5	58.3	59.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	57.0	54.5	51.6	50.5	51.5	55.7	59.1	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.9	51.2	51.3	47.8	49.6	48.4	49.6	54.2	58.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.9	56.0	50.8	46.5	46.1	47.5	50.6	55.1	58.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.7	55.9	47.5	49.4	49.7	51.3	55.4	58.3	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.3	63.0	57.5	53.7	52.3	55.7	59.2	62.2	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	61.4	58.2	55.2	54	55.4	58.7	63.8	66.4	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Elcon worked between 10:00pm and 3:20am checking lighting on the SR 520, 7 workers on site.

**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, September 26, 2022 to Sunday, October 2, 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, September 27, 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	53.6	49.9	47.2	46.9	46.0	46.7	49.4	54.8	57.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.9	55.4	54.6	52.6	49.9	50.9	55.4	58.7	61.1	N/A	N/A
Site 3A - Canterbury Shores	62	45.1	42.3	40.4	40.9	40.3	38.7	40.4	45.8	48.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	60.9	53.6	54.0	50.4	49.4	48.6	54.1	58.2	59.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	54.3	51.5	52.9	48.6	49.3	53.8	56.8	59.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.2	49.7	47.8	48.2	47.4	50.4	49.1	53.9	56.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	49.1	46.9	46.3	44.3	44.3	49.1	54.2	57.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.8	51.4	48.6	48.7	47.4	47.3	49.9	54.8	56.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.9	57.0	55.1	53.9	51.0	50.6	56.6	61.5	63.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	59.0	56.4	54.2	52.9	54.9	58.5	64.0	65.9	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Elcon worked between 10:00pm and 3:35am checking lighting on the SR 520, 7 workers on site. American Bridge worked between 6:00am and 7:00am pouring concrete 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, September 26, 2022 to Sunday, October 2, 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, September 28, 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	52.6	50.4	49	49.9	47.9	51.5	57.1	59.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.8	57.3	54.9	52.9	53	55.1	56.6	61	63	N/A	N/A
Site 3A - Canterbury Shores	62	48.9	46.1	46.8	52.3	52.7	52.8	53.1	54.9	56.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.5	54.5	53.4	49	50.3	48.7	53	58	59.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	55.7	53.3	51.5	51.2	53.5	55	59.1	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.2	53.6	50.6	47.6	48.2	45.1	49.4	55.5	54.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.8	52.1	49	47.5	49.1	46.9	50.5	55.9	58.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.1	54	51.1	47.6	48.8	46.1	50.6	56.5	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.6	57.1	54.7	56	57.4	54.9	58	62.5	64	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.5	61	57.4	56.5	59.1	56.4	60.2	65.4	67.1	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 checking lighting on the SR 520, 7 workers on site. Graham worked between 4:00am and 5:40am setting drainage structures. American Bridge worked between 6:00am and 7:00am pouring concrete on the trestle.

**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, September 26, 2022 to Sunday, October 2, 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, September 29, 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	58.9	56.1	54.3	56.1	55.0	50.3	53.5	56.0	58.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	64.0	54.9	54.4	52.4	53.7	56.4	59.0	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	50.1	50.4	47.9	44.0	43.5	42.0	42.1	44.3	49.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.0	57.5	51.2	50.4	48.0	49.8	53.8	57.2	59.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	61.4	52.9	53.2	50.2	51.6	54.5	56.7	59.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.1	55.2	51.8	52.2	51.1	53.3	53.8	52.9	53.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	60.3	51.1	51.0	49.5	50.2	55.6	55.1	58.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.7	56.1	51.8	50.6	49.5	49.1	50.6	52.8	53.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.3	68.8	57.1	58.5	53.4	57.0	65.2	62.8	68.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.9	61.9	60.3	60.7	57.7	56.8	60.9	64.9	66.5	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 checking lighting on the SR 520, 7 workers on site. Graham worked between 4:00am and 5:40am setting drainage structures. American Bridge worked between 6:00am and 7:00am pouring concrete 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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, September 26, 2022 to Sunday, October 2, 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, September 30, 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	59.8	57.1	57.2	56.1	57.7	58.2	59.0	57.8	57.2	55.0	58.0
Site 2 - 2015 E. Roanoke St	78	61.4	58.4	56.6	53.8	54.2	53.9	56.2	55.8	58.9	61.6	64.5
Site 3A - Canterbury Shores	62	50.2	48.8	46.7	53.3	52.5	52.3	53.0	54.1	53.9	50.5	51.4
Site 4A - 2110 E. Hamlin St	66	58.3	54.1	53.5	50.3	48.8	47.0	51.1	53.4	53.4	53.9	56.5
Site 5 - 2565 22nd Av E.	65	59.8	57.3	55.7	52.8	52.6	52.2	54.4	54.2	57.7	60.3	62.3
Site 6 - 2160 E. Hamlin St	63	59.7	53.5	55.6	54.5	54.9	53.5	54.6	53.2	53.4	52.5	55.5
Site 7 - 2209 E. Lake Wa Blvd	66	57.2	52.2	55.6	50.5	54.1	51.8	53.9	53.5	53.5	54.5	55.4
Site 8 - Portable Between Sites 4 and 6	63	58.4	50.8	51.7	48.9	49.8	49.5	51.6	51.8	52.3	51.1	54.1
Site 9 - Portable Between Sites 1 and 7	66	61.6	57.9	59.0	54.3	57.8	55.3	55.5	56.9	58.5	61.2	61.0
Site 10 - Portable Between Sites 1 and 7	66	66.8	64.8	63.4	62.5	63.2	63.0	63.9	63.7	63.7	62.8	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:**

Site 10 exceedance is due to graham grinding asphalt and grading roadway. Exceedances covered under TNV # 6923487-NV . **(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, September 26, 2022 to Sunday, October 2, 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 1, 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	61.3	57.4	57.9	60.7	58	60.9	49.9	54	55.2	55.3	55.3
Site 2 - 2015 E. Roanoke St	78	62.9	63.2	62.9	57.1	58.5	59.2	57.7	58.2	56.9	59.8	60.4
Site 3A - Canterbury Shores	62	45.3	43.5	49.5	47.9	44.7	43.6	40.5	42.5	46.1	50.7	50.7
Site 4A - 2110 E. Hamlin St	66	55.0	53.4	61.5	57.1	63.1	55.9	48.5	50.0	51.5	52.9	55.6
Site 5 - 2565 22nd Av E.	65	63.2	60.6	61.1	54.9	57.6	56.6	57.5	60.4	55.5	58.0	59.3
Site 6 - 2160 E. Hamlin St	63	57.0	54.9	56.4	57.3	59.3	58.0	47.8	49.4	50.8	52.4	52.6
Site 7 - 2209 E. Lake Wa Blvd	66	58.4	56.1	59.9	58.0	58.6	58.8	54.1	52.2	52.1	54.1	55.9
Site 8 - Portable Between Sites 4 and 6	63	55.1	52.5	53.9	55.4	58.5	54.3	47.7	47.9	48.5	54.3	54.5
Site 9 - Portable Between Sites 1 and 7	66	63.9	64.0	68.7	65.8	61.2	65.8	66.1	59.2	59.5	60.7	64.7
Site 10 - Portable Between Sites 1 and 7	66	66.3	63.8	65.3	65.3	62.6	65.0	56.1	60.6	60.8	64.5	63.5

\*Hourly-Average Leq (dBA)

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

**Work:**

Elcon worked between 10:00pm and 5:25am removing light poles on the SR 520, 7 workers on site. Graham worked between 10:00am and 9:00am on the SR 520 on grinding asphalt and grading roadway. SPM worked between 10:00am and 5:38am on Montlake Blvd restriping. Lakeside worked between 7:00am and 9:00am on paving the SR 520.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site 10 exceedance is due to graham grinding asphalt and grading roadway (**Work related**). Site 9 exceedance at 12am is due to public traffic and a siren (**Non work related**). Site 9 exceedance at 4am is due to SPM painting activities. Exceedances covered under TNV # 6923487-NV (**Work related**).

**Non-Compliance:**

**Legend**

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Blue = Noise level exceedance, not project related

~ = No Data Available

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
**Monday, September 26, 2022 to Sunday, October 2, 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 2, 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	53.8	57.3	55.7	55.2	53.5	54.4	50.9	55.6	57.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.4	63.5	56.0	52.8	51.5	51.1	54.1	59.5	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	42.1	41.2	40.0	35.9	36.5	45.3	46.5	50.4	52.3	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	50.8	51.8	49.2	47.1	45.5	45.7	49.8	58.1	60.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.5	60.6	54.1	51.1	50.0	50.2	53.0	58.1	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	47.9	52.1	50.9	49.3	49.7	48.4	46.5	56.3	55.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	48.8	50.6	50.3	49.3	46.4	46.3	49.4	54.2	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	48.0	52.6	53.5	46.8	45.4	45.9	47.0	55.7	56.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	56.0	56.0	54.4	54.9	51.6	51.5	58.3	61.5	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.1	60.8	59.5	61.7	59.1	59.4	58.4	64.3	65.9	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Graham worked between 10:00pm and 2:30am on the SR 520 preparing the roadway. SPM worked between 10:00pm and 3:10am on restriping the SR 520. PSC worked between 10:00pm and 4:21am on placing barriers on site.

**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, September 26, 2022 to Sunday, October 2, 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>