

## SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, August 29, 2022** to **Sunday, September 4, 2022**

PUBLISHED August 31st, 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: **1116**

<b>WEEKLY TOTALS</b>	
Nights worked this week (under the MPPCNV)	<b>4</b>
Project related non-compliance this week	<b>0</b>
Nighttime noise issue comments to the project	<b>0</b>
Non-project-related noise exceedances this week	<b>6</b>

<b>PROJECT TOTALS TO DATE</b>	
Total Nights Worked (under the MPPCNV)	<b>577</b>
Total Project related non-compliance	<b>116</b>
Total noise issue comments to the project	<b>125</b>
Total non-project related exceedances	<b>3861</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, August 29, 2022 to Sunday, September 4, 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, August 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	53.4	52.1	50.3	47.3	46.0	47.8	53.1	56.6	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	58.0	54.5	52.8	51.8	57.1	56.9	60.5	63.0	N/A	N/A
Site 3A - Canterbury Shores	62	49.5	46.3	46.6	52.1	52.2	52.4	53.1	53.8	55.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	60.8	58.6	52.0	49.7	48.3	51.6	55.0	57.3	59.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.9	56.8	53.2	51.4	50.5	55.0	55.4	59.0	61.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.1	53.7	52.2	51.8	55.1	51.0	55.1	55.8	59.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	51.3	49.0	46.8	45.6	50.5	52.4	56.1	59.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.4	57.1	50.9	49.3	47.7	51.6	54.1	55.7	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.0	67.4	55.4	53.0	51.8	62.1	58.8	62.5	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Elcon worked between 11:00pm and 3:40am checking lighting on the SR 520, 7 workers on site. American Bridge worked between 5:00am and 7:00am.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

No Exceedances

**Non-Compliance:**

None.

Site 10 was down from 10:00pm 8/29/22 to 11:31am 8/30/22 due to the sites battery dying

**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 29, 2022 to Sunday, September 4, 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, August 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	56.2	52.0	51.2	46.9	49.4	49.0	50.7	54.9	57.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	57.2	55.4	52.7	56.2	53.7	56.4	59.2	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	48.6	50.6	46.5	43.2	50.2	44.8	46.5	50.0	55.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.1	53.9	52.0	49.1	58.6	49.6	54.5	56.6	59.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.8	55.8	53.8	51.3	55.3	52.0	54.4	57.5	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.7	52.7	53.4	48.0	52.3	49.3	50.1	52.4	54.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	52.0	50.8	46.7	51.1	47.7	50.3	55.7	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.8	52.8	52.7	47.8	57.0	48.5	50.6	53.2	55.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.6	57.3	55.7	53.5	58.5	54.4	58.8	63.6	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.0	58.3	57.6	54.7	54.6	56.9	58.4	63.8	65.7	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Elcon worked between 11:00pm and 3:40am checking lighting on the SR 520, 7 workers on site. American Bridge worked between 6:00am and 7:00am.

**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 29, 2022 to Sunday, September 4, 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, August 31, 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	55.7	51.4	49.3	49.3	46	47.8	47.7	49	53.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.6	57.3	54.7	51.3	52.4	51.3	56.5	58.1	61.5	N/A	N/A
Site 3A - Canterbury Shores	62	47.3	49.6	43.3	40.5	43.4	41	42.3	44.6	51.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.5	55.8	52.8	49.2	50.4	49.5	53.1	56.6	59	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.8	56.3	54.3	50.4	51.3	49.7	55.3	57	59.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.3	52.2	49.9	46.5	47.7	50.4	54.7	51	52.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.3	50.9	49.9	47.1	48.8	46.8	49.4	53.1	55.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	53.9	51.4	48	49.5	46.7	49.8	53.4	55.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.6	59	57	52.4	55.1	55.5	56.4	61.1	63.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	58.8	56.9	53.4	55.4	55.8	57.4	63.2	64.2	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Elcon worked between 10:00pm and 3:40am checking lighting on the SR 520, 6 workers 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, August 29, 2022 to Sunday, September 4, 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 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	53.9	52.5	50.2	47.0	48.3	48.5	52.3	54.2	58.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.6	57.8	57.2	54.2	52.5	55.1	56.4	59.0	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	49.7	48.1	46.1	42.5	42.2	44.1	46.7	48.7	51.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.5	54.2	54.0	52.6	48.5	51.4	54.2	56.3	59.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	56.6	54.6	52.4	51.1	54.0	54.6	57.3	59.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.9	50.1	48.7	45.3	47.2	47.5	48.7	50.6	54.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	51.6	48.8	47.0	46.7	47.5	50.1	54.4	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.1	51.8	49.8	48.0	47.9	49.0	50.5	52.4	55.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.1	58.6	56.4	55.8	52.9	56.2	58.4	60.8	62.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.1	60.0	56.9	55.7	55.8	54.2	58.5	62.4	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 2:10am checking lighting on the SR 520, 5 workers on site. Lakeside worked between 10:00pm and 1:20am paving asphalt on the DXEI merging lanes.

**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 29, 2022 to Sunday, September 4, 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 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	53.4	51.9	49.4	48.0	46.1	45.8	44.4	48.0	50.6	52.5	55.5
Site 2 - 2015 E. Roanoke St	78	61.0	57.5	54.8	53.7	52.4	51.3	50.3	53.0	55.7	61.0	69.9
Site 3A - Canterbury Shores	62	48.6	45.8	44.5	42.4	41.4	38.0	38.6	42.0	43.5	44.9	47.0
Site 4A - 2110 E. Hamlin St	66	60.5	56.2	53.8	51.6	50.7	48.6	48.4	52.6	55.2	56.7	58.9
Site 5 - 2565 22nd Av E.	65	61.7	56.1	53.8	52.3	50.6	50.2	48.8	52.3	54.4	57.0	69.6
Site 6 - 2160 E. Hamlin St	63	52.6	53.0	51.6	49.2	48.0	45.6	47.5	49.4	51.7	53.0	55.3
Site 7 - 2209 E. Lake Wa Blvd	66	56.6	51.5	48.5	47.4	45.5	45.9	44.2	47.4	49.5	51.9	57.8
Site 8 - Portable Between Sites 4 and 6	63	56.2	54.1	52.7	49.9	48.4	45.8	47.2	50.8	52.6	53.4	57.0
Site 9 - Portable Between Sites 1 and 7	66	67.6	59.3	55.8	55.5	53.3	54.5	52.5	55.5	57.1	59.7	66.7
Site 10 - Portable Between Sites 1 and 7	66	61.6	60.0	56.4	56.0	53.0	54.8	53.3	56.3	58.6	61.9	64.8

\*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

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 29, 2022 to Sunday, September 4, 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, September 3, 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	59.1	57.6	52.7	48.2	46.9	49.6	45.8	49.9	50.1	52.1	55.5
Site 2 - 2015 E. Roanoke St	78	61.4	60.2	56.9	54.4	52.8	52.2	51.6	55.1	56.9	57.1	59.0
Site 3A - Canterbury Shores	62	49.1	47.9	43.8	41.5	40.3	41.3	39.6	43.3	44.1	47.3	49.7
Site 4A - 2110 E. Hamlin St	66	62.0	57.6	55.1	54.2	50.6	50.7	49.8	53.0	56.5	56.6	58.1
Site 5 - 2565 22nd Av E.	65	59.6	58.7	55.2	52.1	51.5	51.2	50.1	53.4	56.0	56.1	58.1
Site 6 - 2160 E. Hamlin St	63	60.0	59.8	56.2	53.3	49.8	50.8	49.0	53.3	52.8	54.2	56.6
Site 7 - 2209 E. Lake Wa Blvd	66	57.7	55.8	51.8	48.3	46.7	46.9	45.6	49.3	51.0	51.7	54.1
Site 8 - Portable Between Sites 4 and 6	63	63.2	61.6	55.0	51.6	49.4	50.5	48.7	53.3	53.5	54.6	57.1
Site 9 - Portable Between Sites 1 and 7	66	64.5	61.1	57.9	53.9	52.7	52.8	52.7	54.3	59.2	58.7	60.2
Site 10 - Portable Between Sites 1 and 7	66	64.9	63.1	59.3	56.0	53.2	55.2	52.2	55.3	58.1	61.2	63.5

\*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 8 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, August 29, 2022 to Sunday, September 4, 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, September 4, 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	55.4	52.5	50.0	49.1	47.5	45.2	44.2	47.2	51.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.1	57.6	54.8	58.7	51.7	51.5	50.4	53.0	56.8	N/A	N/A
Site 3A - Canterbury Shores	62	49.5	45.7	43.7	43.3	44.4	46.0	40.5	40.9	46.3	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	55.9	53.4	52.9	58.3	49.6	46.5	47.2	50.5	55.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.8	57.1	53.5	56.4	50.0	50.5	48.3	51.2	55.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.6	51.9	51.6	50.8	49.3	47.5	44.3	45.9	48	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	52.9	50.0	54.3	51.0	45.5	42.8	45.8	50.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.3	52.6	50.6	51.4	48.6	47.0	45.4	47.2	50.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.3	57.9	56.7	69.1	56.5	51.7	49.6	53.6	58.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.6	60.5	56.6	56.2	54.9	51.9	49.9	54.4	59.0	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

~ = 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 29, 2022 to Sunday, September 4, 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>