

## SR 520 Montlake Project

### Noise Monitoring Weekly Report Summary for **Monday, September 21, 2020** to **Sunday, September 27, 2020**

**PUBLISHED SEPTEMBER 30, 2020**

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:** **409**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	1
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	29

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	105
Total Project related non-compliance	42
Total noise issue comments to the project	41
Total non-project related exceedances	1614

**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 21, 2020      to      Sunday, September 27, 2020      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, September 21, 2020												
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	52.8	51.6	49.4	47.0	48.4	46.4	51.0	56.1	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.1	56.7	54.5	52.7	59.8	53.1	56.3	62.8	62.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	40.1	38.3	39.9	39.2	43.3	34.9	41.5	45.2	49.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.0	61.9	58.3	57.3	72.1	59.2	62.7	69.0	69.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.4	54.9	52.7	51.9	57.5	50.9	54.4	60.3	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.5	49.0	44.8	43.7	47.0	40.6	47.8	49.7	51.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.1	49.7	46.8	44.9	51.5	44.5	49.0	55.2	58.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.8	50.6	46.9	45.5	51.0	43.8	50.0	52.9	54.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	56.9	55.5	51.6	49.5	53.5	50.9	54.2	62.9	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.4	56.9	53.9	50.7	52.5	50.6	55.0	63.5	66.2	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 4, site 9 and site 10 are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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 21, 2020      to      Sunday, September 27, 2020      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, September 22, 2020												
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	53.1	51.7	47.2	47.4	48.5	52.5	57.2	59.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.0	56.4	54.4	51.9	51.7	54.0	59.0	61.9	62.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	46.6	46.2	46.2	46.0	46.3	47.0	50.1	50.9	50.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.0	61.3	60.5	57.9	57.4	59.5	65.2	69.3	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.0	54.6	53.1	50.5	50.2	53.7	59.6	61.0	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.2	53.0	51.7	47.5	47.8	49.4	52.1	56.4	58.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.4	50.9	49.3	46.0	45.6	48.2	52.4	56.1	58.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	51.8	50.8	48.0	48.2	49.2	52.0	56.9	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.5	57.6	54.7	51.5	50.9	51.1	57.9	63.4	67.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.9	59.1	56.5	52.2	51.6	51.6	57.5	63.8	66.3	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:**

Site 4, site 9 and site 10 are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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 21, 2020      to      Sunday, September 27, 2020      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 23, 2020</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	55.2	52.5	50.9	48.8	48.7	47.7	51.4	55.4	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.6	56.5	54.3	51.8	51.4	52.3	55.5	60.2	63.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.3	47.1	47.1	47.1	46.1	47.3	48.2	50.0	52.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	63.0	60.3	58.8	58.2	58.6	63.3	68.0	71.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.3	55.3	53.0	50.8	49.9	51.6	53.9	58.8	63.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.2	55.0	52.7	50.1	48.5	50.5	52.4	55.3	58.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	52.1	50.3	48.9	48.3	46.6	50.1	54.3	59.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.8	54.4	52.1	50.3	49.5	49.4	52.2	55.4	59.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	57.8	55.9	54.6	54.3	51.7	55.1	61.1	67.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.5	57.9	55.9	52.9	52.5	52.3	56.4	62.1	66.7	N/A	N/A
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> No nighttime construction work performed.												
<b>Public Comments:</b> No public comments received related to nighttime noise.												
<b>Exceedances:</b> Site 4, site 9 and site 10 are not project related. Exceedances are caused by public traffic driving by the noise monitors.												
<b>Non-Compliance:</b> 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 21, 2020      to      Sunday, September 27, 2020      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, September 24, 2020												
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	54.5	51.4	48.2	50.3	48.6	49.9	52.2	58.5	60.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.5	55.8	52.4	51.8	51.7	51.0	59.1	63.4	65.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	56.6	56.4	56.0	55.4	54.8	51.6	50.1	52.5	54.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	62.0	59.2	57.7	58.7	58.2	66.8	70.0	72.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.9	54.1	50.9	51.0	50.2	49.7	59.3	63.1	64.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.6	51.6	49.1	49.3	47.9	48.8	52.3	57.2	52.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	50.2	47.2	47.9	47.0	46.8	52.4	57.9	60.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.7	51.2	48.3	49.1	48.4	48.4	52.9	58.2	59.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.9	55.8	52.3	54.5	52.7	51.5	56.5	64.7	67.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.4	58.0	53.9	57.8	56.0	57.0	56.3	65.3	67.8	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 4, site 9 and site 10 are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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, September 21, 2020      to      Sunday, September 27, 2020      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 25, 2020</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	52.8	51.6	50.9	47.9	45.0	46.7	51.7	55.1	57.1	58.8
Site 2 - 2015 E. Roanoke St	78	61.2	57.8	56.1	55.1	53.4	51.6	51.3	59.2	69.6	62.3	61.3
Site 3 - 3810 E. McGilvra St	62	56.0	55.5	55.0	54.6	54.1	54.0	53.9	53.7	53.9	52.6	53.6
Site 4 - 2800 Montlake Blvd E	66	65.4	62.7	61.5	59.8	58.2	57.9	57.5	67.0	68.4	66.2	66.6
Site 5 - 2565 22nd Av E.	65	60.2	56.1	54.3	53.2	51.7	49.9	49.5	56.9	68.6	59.4	59.9
Site 6 - 2160 E. Hamlin St	63	54.5	48.5	49.1	49.0	45.9	42.3	46.3	49.8	53.4	54.2	55.9
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	51.8	51.4	50.5	47.2	44.9	45.4	51.9	55.0	56.0	57.7
Site 8 - Portable Between Sites 4 and 6	63	55.7	52.4	51.7	51.1	48.4	44.4	47.5	53.0	54.5	60.0	62.4
Site 9 - Portable Between Sites 1 and 7	66	60.1	58.2	56.0	54.4	54.1	50.0	50.5	59.0	61.2	62.1	63.7
Site 10 - Portable Between Sites 1 and 7	66	61.7	59.3	56.5	54.5	53.7	50.8	51.4	58.1	63.4	63.0	64.9

\*Hourly-Average Leq (dBA)

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

**Work:**

Design-Builder worked between 7:00am and 9:00am to set up for day work on the North pit to drill and install freeze pipe, and on the West Approach Bridge South to cut and remove pier 4 and Drive pile pier 7.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site 4 and site 5 are not project related. Exceedances are caused by public traffic driving by the noise monitors.

**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, September 21, 2020      to      Sunday, September 27, 2020      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, September 26, 2020												
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	54.3	52.3	48.6	48.2	49.2	48.5	51.2	53.5	56.1	57.4
Site 2 - 2015 E. Roanoke St	78	59.5	60.3	57.4	54.8	53.3	53.4	53.0	55.4	59.7	59.5	60.4
Site 3 - 3810 E. McGilvra St	62	47.5	47.5	46.6	46.3	46.3	45.9	46.8	47.6	50.6	46.8	48.1
Site 4 - 2800 Montlake Blvd E	66	65.7	68.4	61.5	59.0	57.2	56.8	57.7	60.7	68.6	64.9	65.3
Site 5 - 2565 22nd Av E.	65	57.9	58.1	55.5	52.8	51.6	51.1	51.8	54.0	57.3	57.7	58.7
Site 6 - 2160 E. Hamlin St	63	55.5	53.5	49.2	44.1	44.6	43.5	47.6	50.0	50.9	52.1	51.9
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	53.5	50.9	47.5	46.6	47.6	47.1	49.4	52.4	53.6	54.9
Site 8 - Portable Between Sites 4 and 6	63	61.8	57.4	50.8	46.6	46.9	47.9	48.4	51.7	53.2	53.5	54.2
Site 9 - Portable Between Sites 1 and 7	66	60.9	59.1	56.5	52.2	52.6	57.1	51.8	55.7	57.8	59.9	62.0
Site 10 - Portable Between Sites 1 and 7	66	62.6	60.6	57.0	54.3	53.1	54.7	51.1	56.3	59.9	61.9	64.4
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> No nighttime construction work performed.												
<b>Public Comments:</b> No public comments received related to nighttime noise.												
<b>Exceedances:</b> Site 4 are not project related. Exceedances are caused by public traffic driving by the noise monitors.												
<b>Non-Compliance:</b> 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 21, 2020      to      Sunday, September 27, 2020      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, September 27, 2020												
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	54.2	51.2	53.5	48.3	47.7	50.6	51.0	56.5	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	57.5	56.3	53.3	52.7	53.5	60.9	61.2	63.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	46.7	45.8	48.1	47.3	46.0	46.0	46.4	48.4	51.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.7	61.8	60.5	57.7	57.2	57.7	71.3	67.7	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	55.8	54.5	51.5	50.5	51.5	58.4	59.3	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.4	47.9	49.3	46.6	44.7	45.7	46.5	50.2	52.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.1	50.0	50.0	47.4	46.5	46.9	52.4	54.3	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.8	49.6	49.8	46.8	46.5	46.9	51.1	53.0	55.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.4	56.5	55.7	52.1	51.2	52.3	56.7	61.3	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.1	56.7	61.2	52.5	52.1	55.1	55.1	62.9	66.4	N/A	N/A
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> No nighttime construction work performed.												
<b>Public Comments:</b> No public comments received related to nighttime noise.												
<b>Exceedances:</b> Site 4 and site 10 are not project related. Exceedances are caused by public traffic driving by the noise monitors.												
<b>Non-Compliance:</b> 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 21, 2020 to Sunday, September 27, 2020

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
		No noise related complains.	