

## SR 520 Montlake Project

### Noise Monitoring Weekly Report Summary for **Monday, February 1, 2021** to **Sunday, February 7, 2021**

**PUBLISHED FEBRUARY 10, 2021**

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 action 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:** 542

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	28

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	188
Total Project related non-compliance	52
Total noise issue comments to the project	52
Total non-project related exceedances	2158

**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, February 1, 2021      to      Sunday, February 7, 2021      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, February 1, 2021												
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	58.1	55.5	52.0	50.3	53.4	50.5	51.8	56.5	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	65.0	66.3	56.3	53.0	52.8	56.8	57.2	61.0	64.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	57.5	55.0	50.2	46.2	47.8	47.8	45.0	49.4	51.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	69.3	65.2	62.9	59.5	57.9	60.3	64.2	69.6	71.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	63.2	65.5	54.4	51.0	50.8	54.4	54.7	58.3	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.4	54.1	51.2	49.4	51.0	50.9	51.5	55.3	56.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.4	55.7	49.7	46.9	49.0	49.9	50.5	55.8	58.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.4	55.1	51.2	55.3	50.4	52.2	50.9	56.0	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.6	59.1	54.9	51.5	56.2	55.5	56.0	63.1	66.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.2	60.3	57.7	52.6	57.3	52.2	57.2	63.3	66.5	N/A	N/A
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> Design-Builder worked between 10:00pm and 2:30am to unload casings and pile deliveries.												
<b>Public Comments:</b> No public comments received related to nighttime noise.												
<b>Exceedances:</b> Site(s) 4, 5, 9 and 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, February 1, 2021 to Sunday, February 7, 2021 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, February 2, 2021</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	55.0	54.8	52.0	52.2	51.3	51.5	53.4	58.9	61.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	58.9	56.3	55.7	54.8	54.6	58.9	62.9	65.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.7	47.6	46.8	49.3	51.5	44.2	47.3	54.3	56.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	63.5	61.6	60.3	60.6	59.8	65.0	69.4	70.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	56.6	54.3	54.0	53.3	52.3	56.1	60.3	63.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.8	54.2	48.6	47.2	50.5	45.9	46.3	51.8	54.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.8	53.5	51.3	51.6	52.2	52.2	53.4	57.3	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.1	54.9	50.6	49.2	51.7	48.2	49.8	54.8	57.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.1	58.5	55.8	55.9	54.9	58.3	59.0	64.0	68.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.1	59.6	56.8	57.6	55.5	57.8	59.5	65.0	67.5	N/A	N/A
*Hourly-Average Leq (dBA)												

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

**Work:**

Design-Builder worked between 10:00pm and 7:00am to set platforms on the old West Approach Bridge South, weld steel plates, set false deck and set up for day for day work.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 4, 9 and 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, February 1, 2021 to Sunday, February 7, 2021 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, February 3, 2021												
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	52.9	50.4	50.5	47.5	50.4	51.5	56.6	59.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	57.3	54.7	53.0	52.1	53.4	57.6	60.7	62.8	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	47.9	47.7	43.7	40.0	39.5	41.3	43.9	48.4	51.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.3	63.7	60.7	58.8	57.0	57.5	64.4	68.5	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	55.6	52.6	51.0	49.9	51.4	55.0	58.1	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	53.3	50.3	48.2	46.0	47.1	49.1	52.8	54.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	51.5	48.9	49.5	47.8	50.0	51.4	54.9	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	53.2	50.0	48.0	46.8	48.8	49.6	54.1	56.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.2	57.6	52.4	53.8	52.1	54.9	56.7	62.3	64.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.3	59.3	54.5	56.1	52.0	56.0	58.0	63.8	65.9	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Design-Builder worked between 10:00pm and 7:00am to set platforms on the old West Approach Bridge South, haul demo concrete wall, weld steel plates, set false deck, set oak blocks and set up for day for day work.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 4 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, February 1, 2021      to      Sunday, February 7, 2021      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, February 4, 2021												
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	55.9	50.5	51.1	52.0	54.1	51.7	56.8	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	59.0	57.9	57.2	56.3	56.8	58.3	62.1	72.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.9	52.7	50.8	50.9	49.6	49.8	50.1	52.0	53.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.6	64.4	63.3	61.9	59.8	60.0	66.1	70.0	73.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	57.0	55.5	54.8	53.9	54.5	56.3	59.7	70.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.1	53.8	50.1	49.2	49.9	50.1	51.4	53.8	56.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	52.5	50.9	49.3	50.4	50.8	51.6	56.2	60.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	54.6	51.2	50.0	52.1	52.3	52.0	55.5	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	57.7	55.9	54.3	55.4	55.9	57.9	64.1	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.4	57.7	54.8	55.5	56.1	56.3	57.1	64.1	66.8	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**

Design-Builder worked between 10:00pm and 7:00am to set platforms on the old West Approach Bridge South, unload casings and pile deliveries, set oak blocks and set up for day for day work.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 4, 5, 9 and 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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, February 1, 2021 to Sunday, February 7, 2021 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, February 5, 2021**

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	55.7	53.0	51.5	50.3	48.9	50.5	53.4	57.2	57.5	58.0
Site 2 - 2015 E. Roanoke St	78	59.0	58.3	56.2	54.6	54.5	52.4	53.6	56.3	60.0	60.8	62.1
Site 3A - 3810 E. McGilvra St	62	49.3	48.9	46.1	46.3	45.7	47.1	47.1	52.6	53.9	55.1	55.6
Site 4 - 2800 Montlake Blvd E	66	65.6	64.8	61.4	60.5	58.4	57.5	58.8	63.6	67.4	67.3	67.6
Site 5 - 2565 22nd Av E.	65	57.3	56.6	54.5	52.9	52.9	50.6	52.1	54.6	58.5	59.0	60.5
Site 6 - 2160 E. Hamlin St	63	55.5	54.4	50.6	49.6	49.2	47.2	49.4	51.7	56.2	57.0	57.8
Site 7 - 2209 E. Lake Wa Blvd	66	54.8	57.5	52.5	50.5	48.7	48.7	49.8	51.8	57.2	56.3	56.8
Site 8 - Portable Between Sites 4 and 6	63	60.8	54.8	53.6	53.4	53.0	52.3	53.5	55.1	57.2	57.9	58.2
Site 9 - Portable Between Sites 1 and 7	66	60.7	73.7	58.2	54.4	51.8	51.7	54.9	58.2	64.1	63.2	64.5
Site 10 - Portable Between Sites 1 and 7	66	62.3	62.6	60.0	56.5	53.0	52.9	54.8	58.5	61.5	64.2	64.6

\* Hourly-Average Leq (dBA)

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

**Work:**

Design-Builder worked between 10:00pm and 9:00am to set platforms on the old West Approach Bridge South, set girders over the West Bound of SR-520, set pad 4, repair construction camera and set up for day for day work.

**Public Comments:**

No public comments received related to nighttime noise.

**Exceedances:**

Site(s) 4 and 9 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, February 1, 2021      to      Sunday, February 7, 2021      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, February 6, 2021												
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	54.1	52.4	51.4	49.9	50.1	50.0	49.7	51.2	53.2	54.7	57.0
Site 2 - 2015 E. Roanoke St	78	59.3	57.1	56.6	53.4	53.4	52.0	53.0	55.0	58.4	60.0	60.9
Site 3A - 3810 E. McGilvra St	62	46.1	44.5	44.6	43.2	42.4	41.0	42.9	43.6	47.5	49.9	54.8
Site 4 - 2800 Montlake Blvd E	66	64.9	62.9	61.3	58.5	58.3	57.1	59.5	62.3	65.7	66.0	66.4
Site 5 - 2565 22nd Av E.	65	57.2	55.2	55.1	51.2	51.6	50.7	50.9	53.1	56.1	57.8	58.7
Site 6 - 2160 E. Hamlin St	63	52.2	50.2	49.5	47.5	49.2	49.3	48.3	49.4	51.7	53.1	54.1
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	53.5	51.5	51.0	52.2	50.7	50.8	51.3	53.2	54.6	55.8
Site 8 - Portable Between Sites 4 and 6	63	58.9	53.9	53.1	52.3	53.4	52.7	52.6	53.4	54.0	54.0	56.2
Site 9 - Portable Between Sites 1 and 7	66	59.2	57.0	55.3	53.8	53.7	53.0	53.2	55.8	57.0	61.5	62.1
Site 10 - Portable Between Sites 1 and 7	66	60.6	58.3	56.7	54.7	53.1	52.8	53.7	55.6	58.7	61.0	63.7
*Hourly-Average Leq (dBA)												
<b>Notes recorded by the on-site Independent Noise Monitor</b>												
<b>Work:</b> Design-Builder worked between 10:00pm and 9:00am to set girders over the West Bound of SR-520 and set up for day work.												
<b>Public Comments:</b> No public comments received related to nighttime noise.												
<b>Exceedances:</b> Site(s) 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

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
Monday, February 1, 2021 to Sunday, February 7, 2021 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, February 7, 2021												
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	54.4	51.5	50.1	48.8	52.2	50.3	52.0	56.5	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.4	59.3	54.6	55.6	55.4	54.8	56.8	61.2	62.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	46.7	43.9	42.1	46.8	50.6	49.1	45.5	47.7	50.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	64.7	60.4	65.9	60.4	60.1	65.5	70.2	70.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.5	58.3	52.4	53.1	54.5	54.4	54.2	58.2	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.8	49.5	48.1	43.7	48.7	48.2	50.3	51.6	54.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	50.6	47.4	45.7	48.9	46.9	50.0	55.3	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.2	51.6	48.9	45.6	48.6	47.7	51.1	53.3	55.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.3	54.1	51.5	50.0	52.6	51.4	54.9	62.8	65.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.9	54.6	53.8	52.8	55.7	52.4	55.6	63.6	67.0	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(s) 4 and 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

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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, February 1, 2021 to Sunday, February 7, 2021

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

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