

## SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 12, 2020** to **Sunday, October 18, 2020**

**PUBLISHED OCTOBER 21, 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:** 430

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	5
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	26

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	121
Total Project related non-compliance	43
Total noise issue comments to the project	45
Total non-project related exceedances	1678

**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 12, 2020      to      Sunday, October 18, 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, October 12, 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	54.1	51.9	50.9	52.3	49.2	52.4	57.5	57.6	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.0	55.9	61.9	54.2	54.0	56.6	64.8	63.9	66.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.7	46.8	46.6	47.5	47.0	48.5	56.5	54.6	56.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.4	61.5	63.7	59.1	58.9	60.7	66.1	70.1	72.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.6	54.4	61.8	54.6	53.1	57.4	63.9	62.5	65.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.4	51.0	49.7	47.9	47.9	51.7	57.4	55.7	58.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.1	51.9	54.4	51.3	50.4	51.4	57.2	56.7	60.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	54.7	54.8	52.2	53.5	55.4	57.1	57.1	59.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.5	58.3	57.5	60.4	55.4	56.6	61.4	63.5	68.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.0	58.5	57.6	59.8	54.9	57.9	61.6	64.4	68.6	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 10:00am and 4:00am set blow off structure at the north pit.												
<b>Public Comments:</b> No public comments received related to nighttime noise.												
<b>Exceedances:</b> Site(s) 4, 5, 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, October 12, 2020      to      Sunday, October 18, 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, October 13, 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	55.2	52.5	50.1	50.4	50.7	51.9	52.4	56.5	59.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	57.5	55.9	54.2	54.1	55.0	57.0	60.7	62.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	44.0	40.8	36.4	33.7	40.1	39.4	39.6	46.9	47.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	62.1	60.2	59.0	59.0	59.3	62.8	68.1	69.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	55.7	54.0	52.2	52.3	53.1	55.2	59.0	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.9	51.4	48.1	48.7	48.9	49.3	50.6	53.1	55.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.8	52.8	52.1	50.6	51.6	51.8	52.9	56.2	57.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	55.3	54.1	53.7	54.4	54.9	55.2	56.4	57.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	58.8	58.2	58.0	57.9	58.4	58.4	63.6	64.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.5	59.4	56.6	57.7	57.0	59.0	57.8	63.1	66.1	N/A	N/A

\*Hourly-Average Leq (dBA)

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

**Work:**  
Design-Builder worked between 10:00am and 5:30am to set blow off structure at the north pit, backfill and drill casings delivery.

**Public Comments:**  
No public comments received related to nighttime noise.

**Exceedances:**  
Site 4 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, October 12, 2020 to Sunday, October 18, 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

Wednesday, October 14, 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	54.2	53.2	49.0	50.2	49.6	52.1	57.4	61.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	58.6	57.8	56.1	56.4	56.0	58.6	61.8	64.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.7	44.5	37.5	35.5	38.5	37.1	40.0	45.5	49.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.4	61.8	60.3	57.5	58.7	59.5	63.8	66.9	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	57.1	55.6	54.0	54.4	54.4	56.8	60.0	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	51.0	51.4	49.6	50.0	48.4	51.2	54.4	57.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	54.0	53.9	51.9	52.5	51.1	53.4	56.5	58.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.8	56.0	56.3	54.6	56.0	54.6	56.1	59.7	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.1	60.7	58.4	55.6	57.9	55.0	59.9	63.5	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.0	60.0	60.2	52.9	55.3	53.5	56.1	63.3	66.9	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 7:00am to remove backfill, set a riser, and move equipment at the north pit.												
<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, October 12, 2020      to      Sunday, October 18, 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, October 15, 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	55.5	53.4	49.7	48.5	48.0	48.0	52.6	56.1	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.8	57.3	54.5	56.9	55.5	56.8	58.4	61.3	62.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	41.6	39.6	35.9	41.9	37.4	36.0	42.6	44.4	44.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.6	61.3	58.9	58.0	58.2	59.7	63.3	67.4	68.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	55.7	52.7	55.3	53.6	56.0	57.0	59.4	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.8	52.1	49.2	48.9	47.5	48.4	51.5	54.1	55.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.9	53.0	49.9	52.5	50.6	55.0	52.7	56.4	57.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.6	54.5	52.6	53.5	52.4	52.9	54.2	56.1	57.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.0	60.3	56.4	53.0	53.3	56.9	57.2	62.5	67.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.0	59.9	56.2	53.4	54.6	52.7	57.8	63.6	66.4	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 6:00am move the crane to the south pit and pipe delivery at the south pit.												
<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**

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**SR 520 Montlake Project**  
**Major Public Project Construction Noise Variance**  
**NOISE MONITORING - WEEKLY REPORT**  
**Monday, October 12, 2020 to Sunday, October 18, 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

Friday, October 16, 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	57.7	56.4	53.6	50.9	49.0	47.7	48.1	53.3	56.0	59.0	61.4
Site 2 - 2015 E. Roanoke St	78	62.4	61.6	60.5	55.8	53.3	52.1	52.6	58.9	59.6	60.2	62.6
Site 3 - 3810 E. McGilvra St	62	53.9	53.4	49.2	43.9	41.2	38.5	36.9	40.1	45.1	43.5	44.1
Site 4 - 2800 Montlake Blvd E	66	67.7	65.9	67.0	59.7	57.5	56.6	59.0	64.4	67.2	66.9	67.8
Site 5 - 2565 22nd Av E.	65	61.5	60.6	59.1	54.0	51.6	50.3	50.8	59.3	57.7	58.4	61.0
Site 6 - 2160 E. Hamlin St	63	54.2	52.5	51.3	49.9	47.3	46.6	46.6	50.1	53.0	53.8	56.4
Site 7 - 2209 E. Lake Wa Blvd	66	56.4	55.6	54.4	51.0	48.6	47.2	47.3	52.3	54.9	56.2	58.1
Site 8 - Portable Between Sites 4 and 6	63	56.5	55.8	54.6	53.5	52.4	52.3	52.3	54.0	56.0	56.2	57.8
Site 9 - Portable Between Sites 1 and 7	66	63.7	62.5	59.5	56.0	53.7	52.2	53.5	59.4	61.8	62.9	65.1
Site 10 - Portable Between Sites 1 and 7	66	64.2	63.0	58.7	54.9	53.7	52.0	54.4	60.9	61.9	64.1	66.7

\*Hourly-Average Leq (dBA)

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

**Work:**

Design-Builder worked between 6:00am and 9:00am - to set up for day work. Hauling soft soil in pier 1 area, excavating for pier 1, setting crane mats, trestle work.

**Public Comments:**

**8:35 a.m October 17th** - Resident emailed the project email about construction noise before 9 a.m. on the weekend. The email required a follow-up. **See Public Notice Log for additional details.**

**Exceedances:**

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

**Non-Compliance:**

None.

**Legend**

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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 12, 2020 to Sunday, October 18, 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, October 17, 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	55.4	62.3	52.1	51.6	50.2	47.7	48.9	49.7	53.0	54.1	56.2
Site 2 - 2015 E. Roanoke St	78	59.9	61.0	58.3	55.4	53.9	52.4	52.4	54.0	57.5	59.4	60.3
Site 3 - 3810 E. McGilvra St	62	43.4	50.3	49.0	47.8	47.8	46.6	44.9	43.4	46.1	43.0	44.0
Site 4 - 2800 Montlake Blvd E	66	65.0	64.4	63.0	67.1	58.3	58.1	59.1	60.9	64.8	65.6	65.6
Site 5 - 2565 22nd Av E.	65	58.5	59.3	57.2	53.6	53.1	51.5	50.9	52.5	56.4	57.6	58.6
Site 6 - 2160 E. Hamlin St	63	53.9	59.2	51.4	52.2	51.2	48.9	48.5	48.6	53.5	53.8	54.3
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	60.7	51.5	51.9	48.9	47.1	47.8	48.0	51.8	52.8	54.4
Site 8 - Portable Between Sites 4 and 6	63	56.1	59.4	54.1	55.9	53.4	52.2	52.8	53.1	55.3	55.0	55.5
Site 9 - Portable Between Sites 1 and 7	66	59.1	65.0	56.7	55.8	52.4	50.2	51.8	53.8	56.3	58.7	61.8
Site 10 - Portable Between Sites 1 and 7	66	61.4	65.3	58.5	56.0	53.7	50.8	53.3	55.7	57.3	60.7	63.7
*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

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Monday, October 12, 2020      to      Sunday, October 18, 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, October 18, 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	53.7	51.8	49.3	48.7	49.7	47.0	50.9	55.5	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	56.7	55.4	53.1	54.4	52.9	56.3	61.1	62.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.1	42.7	42.7	41.8	41.0	38.8	41.4	42.6	46.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	62.3	59.9	59.2	57.7	58.9	62.1	68.4	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.4	55.0	53.2	51.5	52.5	50.9	54.3	59.5	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.7	50.1	49.7	49.2	48.4	46.6	49.7	52.1	53.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	50.9	48.0	47.3	48.4	46.9	49.2	53.7	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.7	52.8	53.0	52.6	52.7	51.9	53.6	55.2	56.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.6	57.6	52.6	51.8	55.6	53.4	53.6	61.6	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.0	57.4	52.9	52.3	53.0	49.8	54.1	62.7	65.7	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 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, October 12, 2020 to Sunday, October 18, 2020

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
10/17/2020 - 8:35 a.m	To: Project email From: Resident near site #6	<b>During the MPPCNV Monitoring:</b> Resident emailed the project email complaining about construction noise before 9 a.m. on the weekend.	John Welch (Director of Construction) investigated the noise and followed up with the resident on Monday morning, explaining the work being conducted and a reminder of the allowable working hours for the project.