

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 19, 2020** to **Sunday, October 25, 2020**

PUBLISHED OCTOBER 28, 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: **437**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	1
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)	122
Total Project related non-compliance	43
Total noise issue comments to the project	46
Total non-project related exceedances	1704

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 19, 2020 to Sunday, October 25, 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 19, 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	54.8	54.1	51.6	50.6	51.1	50.9	53.4	57.0	60.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.5	57.1	54.7	53.4	53.0	53.9	57.6	60.5	62.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	42.8	43.8	38.1	35.3	38.4	36.5	42.1	43.9	48.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	62.1	59.6	58.8	58.0	58.8	63.2	67.7	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.2	55.4	52.8	51.6	51.2	51.7	55.7	58.6	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.7	52.8	51.1	50.3	49.6	46.8	50.1	50.9	54.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	52.6	49.4	49.5	50.3	49.8	51.2	55.1	58.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.7	55.1	53.5	52.9	53.1	52.3	54.4	55.8	57.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.9	58.0	54.6	53.2	52.7	55.4	55.5	63.0	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.7	59.5	57.0	55.6	55.5	56.0	58.0	63.9	66.5	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(s) 4 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, October 19, 2020 to Sunday, October 25, 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 20, 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	56.3	54.6	51.9	49.9	54.4	48.6	52.5	56.5	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.5	59.9	55.9	55.1	61.7	53.5	58.1	60.2	62.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.1	44.1	38.8	38.3	53.9	41.8	44.0	42.7	46.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	62.6	60.9	57.3	61.5	60.0	64.0	68.2	70.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	58.1	54.3	55.3	61.4	51.5	56.2	58.1	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	54.1	51.6	48.8	54.2	45.4	50.9	53.4	57.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.2	54.0	50.3	49.6	55.7	47.5	51.7	55.2	58.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.4	56.0	53.8	52.7	54.5	52.2	54.7	55.9	58.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.2	57.8	55.7	52.3	54.8	54.0	56.5	62.5	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.3	59.0	56.2	53.4	56.6	54.5	56.7	63.5	66.5	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(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, October 19, 2020 to Sunday, October 25, 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 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	57.6	56.1	54.4	53.9	54.0	54.2	55.5	58.2	60.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	61.1	55.6	56.9	54.3	55.1	57.4	60.9	63.3	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	43.4	43.4	35.7	35.3	38.8	38.5	39.3	42.9	46.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.5	66.1	60.3	58.7	57.9	58.5	62.7	67.4	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	58.7	53.8	53.3	52.4	53.2	55.2	59.0	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	54.8	50.8	50.8	50.7	50.7	51.7	53.6	55.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	52.5	49.6	49.4	48.8	49.1	53.7	55.6	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.3	55.1	53.2	52.8	53.2	53.0	55.8	58.1	57.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.4	57.3	54.9	56.2	53.7	55.8	59.5	62.6	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	62.4	61.3	60.9	60.6	60.8	61.8	65.2	67.4	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(s) 4 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, October 19, 2020 to Sunday, October 25, 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 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	56.6	56.0	52.3	51.1	50.6	51.1	51.6	56.0	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	59.6	56.3	54.7	53.4	53.7	57.2	59.5	63.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	44.8	41.5	37.6	36.5	37.2	39.0	41.7	41.3	48.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.5	63.1	60.1	59.7	58.1	59.3	68.4	67.5	69.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	58.0	54.2	52.6	51.2	52.4	55.2	57.4	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.0	56.2	52.7	52.6	50.7	50.4	50.8	52.7	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.1	55.3	50.5	49.4	48.3	48.4	50.5	54.0	58.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	56.6	53.7	53.5	52.9	53.5	54.6	54.8	58.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.4	59.6	55.4	53.8	53.0	52.7	54.0	63.0	65.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	61.0	56.9	55.6	55.0	55.1	56.0	63.5	67.6	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(s) 4 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, October 19, 2020 to Sunday, October 25, 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 23, 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	58.0	57.0	54.5	53.0	52.6	53.2	52.9	53.4	55.8	58.5	61.2
Site 2 - 2015 E. Roanoke St	78	64.0	61.5	59.1	58.6	59.3	61.1	58.7	57.4	59.9	61.8	63.1
Site 3 - 3810 E. McGilvra St	62	~	~	~	~	~	~	~	~	~	49.6	49.3
Site 4 - 2800 Montlake Blvd E	66	69.7	64.4	62.8	60.5	57.9	59.4	58.6	62.6	66.5	66.4	67.4
Site 5 - 2565 22nd Av E.	65	61.7	60.1	57.6	57.1	58.9	61.2	59.6	55.9	58.0	60.0	61.4
Site 6 - 2160 E. Hamlin St	63	51.5	51.5	50.2	47.9	47.0	49.0	47.0	48.5	51.1	51.4	54.4
Site 7 - 2209 E. Lake Wa Blvd	66	56.6	55.6	53.2	50.7	49.6	50.1	50.0	51.3	53.9	55.7	57.9
Site 8 - Portable Between Sites 4 and 6	63	56.0	55.4	54.1	53.0	52.9	53.2	52.6	53.0	54.4	55.1	56.2
Site 9 - Portable Between Sites 1 and 7	66	62.5	61.5	58.9	57.2	55.1	56.1	54.2	58.6	60.8	61.8	64.6
Site 10 - Portable Between Sites 1 and 7	66	64.2	61.8	59.8	57.9	57.6	58.9	57.5	59.7	61.9	64.5	67.0

*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. Pier 1 rebar footing, drive and erect pier 3 and 9 platforms, work on trestle construction.

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

Exceedances:
Site(s) 4 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, October 19, 2020 to Sunday, October 25, 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 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	57.3	56.1	54.5	53.0	51.3	48.9	48.6	50.4	54.1	56.2	57.9
Site 2 - 2015 E. Roanoke St	78	61.5	60.9	62.1	56.9	58.6	55.0	54.2	56.1	59.3	63.0	61.9
Site 3 - 3810 E. McGilvra St	62	42.4	41.6	41.9	38.4	36.8	35.2	34.4	37.1	42.5	43.5	46.0
Site 4 - 2800 Montlake Blvd E	66	64.9	64.1	69.1	59.5	59.6	58.7	59.1	62.0	65.8	67.3	66.5
Site 5 - 2565 22nd Av E.	65	59.4	59.1	59.5	54.9	56.1	52.7	52.6	54.2	57.2	60.2	59.9
Site 6 - 2160 E. Hamlin St	63	53.5	54.0	52.5	52.1	51.2	48.3	46.4	48.1	50.5	52.7	53.3
Site 7 - 2209 E. Lake Wa Blvd	66	55.7	54.7	54.8	51.8	50.8	48.6	48.2	49.3	52.8	55.3	56.2
Site 8 - Portable Between Sites 4 and 6	63	56.7	56.0	55.7	54.3	53.2	52.2	51.5	52.1	54.0	55.7	55.8
Site 9 - Portable Between Sites 1 and 7	66	61.7	61.3	60.1	57.3	55.9	53.3	54.2	54.6	58.0	61.2	62.7
Site 10 - Portable Between Sites 1 and 7	66	63.0	61.6	60.1	57.5	55.2	52.9	53.7	55.9	59.5	62.0	64.7
*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 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 19, 2020 to Sunday, October 25, 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 25, 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	53.0	49.8	49.2	47.3	46.9	50.8	56.9	60.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	58.6	56.3	53.6	52.5	52.6	56.4	60.9	63.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	41.7	39.5	36.5	35.8	34.6	34.1	39.2	48.4	46.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	61.9	60.2	57.4	56.6	59.0	62.7	67.9	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	56.6	54.2	51.9	50.5	50.4	54.1	59.0	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.3	51.5	47.7	47.5	46.6	43.7	45.5	51.9	52.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.6	52.1	49.2	48.0	46.3	45.7	50.3	55.2	58.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.2	54.1	52.4	51.9	51.3	51.1	51.8	54.8	57.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.7	57.7	54.6	53.0	50.5	50.3	55.7	62.4	65.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.8	58.5	54.8	53.3	49.8	50.9	54.6	63.0	67.1	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:

10:45 a.m October 26th - Resident emailed the project inbox requesting that someone call him and that he heard "rattling and dragging and moving something" right behind his house around 6:15 in the morning. 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

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 19, 2020 to Sunday, October 25, 2020

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
10/26/2020 - 10:45 a.m	To: Project inbox From: Resident near site #6	During the MPPCNV Monitoring: Resident emailed the project inbox in the morning requesting that someone call him. Holly Wyrwich (Communications Staff) called him around 1 p.m., and he said that starting Thursday and Friday, but especially today, noisy work has started early. Resident said he wants crews to be efficient but it just seems a little early to be so noisy. He heard "rattling and dragging and moving something" right behind his house around 6:15 this morning. He said he would just like a heads-up if this is going to be happening.	Holly Wyrwich (Communications Staff) reminded him that work can happen before 7 but that there are noise limits to the work that happens at that time. I talked with the construction team and they said he could have been hearing (1) crews mobilizing into the area for the day's work, or (2) some Pier 3 and north shaft drilling work (though crews are instructed to start no earlier than 7 a.m.). I called him back and let him know that, depending on what it was that was causing the noise, it could let up as soon as next week, when certain activities in that area wrap up. I reminded him to call the hotline the moment he's disturbed by noise, because then we can pinpoint it and perform mitigation measures, if possible.