

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, April 4, 2022** to **Sunday, April 10, 2022**

PUBLISHED April 13th, 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). Work was performed under TNV numbers 6889593-NV & 6889621-NV.

MPPCNV start date: Friday, August 16, 2019

MPPCNV days to date: 969

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	0
Nighttime noise issue comments to the project	2
Non-project-related noise exceedances this week	29

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	479
Total Project related non-compliance	113
Total noise issue comments to the project	117
Total non-project related exceedances	3601

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, April 4, 2022 to Sunday, April 10, 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

Monday, April 4, 2022												
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	51.1	48.9	47.5	45.5	45.4	45.5	47.7	51.3	54.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	57.6	56.5	54.1	57.5	53.0	55.6	60.0	63.0	N/A	N/A
Site 3A - Canterbury Shores	62	52.1	51.4	49.8	46.7	45.9	44.2	47.4	50.8	54.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	63.1	61.7	59.0	58.2	59.7	62.4	66.7	69.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.2	56.4	54.9	52.5	54.6	51.7	54.0	58.3	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.6	55.1	53.5	49.8	51.2	49.0	52.1	57.0	57.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.5	49.5	46.8	44.6	44.9	44.6	48.2	51.3	53.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.7	55.9	54.6	50.8	51.8	49.0	52.9	56.1	59.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.5	59.7	57.1	55.4	56.6	55.5	57.9	61.3	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	62.9	58.6	58.7	57.1	58.8	59	63.6	66.7	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 5:00am excavating & installing utilities, shoring & pulling wires

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 4, & 10 exceedances are 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, April 4, 2022 to Sunday, April 10, 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

Tuesday, April 5, 2022												
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	52.6	51.4	48.8	48.7	49.1	49.3	49.4	54.7	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.6	58.0	56.1	55.5	54.5	56.9	62.5	60.8	63.6	N/A	N/A
Site 3A - Canterbury Shores	62	50.6	48.6	46.5	44.4	45.1	45.3	45.5	51.1	55.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.4	63.1	60.8	58.7	56.7	59.1	69.3	66.3	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.4	54.4	53.8	52.8	54.8	59.3	58.6	61.7	65.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.5	51.1	50.8	51.1	51.4	52.1	56.5	58.5	61.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.1	48.7	46.7	48.1	46.4	50.7	47.9	52.9	55.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	55.7	52.8	52.8	56.2	53.6	54.8	55.6	57.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.4	57.9	56.2	55.2	58.6	56.7	66.9	61.1	64.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67.3	64.9	62.2	60.5	58.0	59.5	59.2	59.8	65.0	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 4:50am excavating & installing utilities, shoring & pulling wires

Public Comments:

at 8:30 a.m Cheryl Webster from Graham recieved a text from a nearby neighbor who heard banging and clanging around 4 a.m. on April 5, with this being the second disturbance of the week. The work is covered under TNV's 6889593-NV & 6889621-NV. A hotel was offered for the weekend work. This was report outside of MPPCNV hours and therefore was not responded to by the INM.

Exceedances:

Sites 4, 5, 9, & 10 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

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, April 4, 2022 to Sunday, April 10, 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

Wednesday, April 6, 2022												
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	50	48.7	46.2	47.6	44.9	46.2	48.1	51.5	54.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.1	58.6	56.3	53.9	53.1	55.7	59.4	62	64.3	N/A	N/A
Site 3A - Canterbury Shores	62	53.9	50.9	49	46.1	45.2	46	49.9	53.2	56.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.5	62.5	60.2	57.1	57.7	59.9	63.1	66.3	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.7	57.1	54.5	52.1	51.4	54	57.7	60.4	62.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.3	51	47.6	46	45.2	47.2	49.9	57	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	48.7	48	45.1	44.5	44	45.9	48.2	50.8	53.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.5	52.1	49.4	47.7	47.1	48.6	50.9	54.1	57.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.3	58	56.8	53.8	56.7	56.1	60.9	61.8	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.5	62.4	58.8	62.4	57.1	58.4	58.7	63.7	66.7	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 5:00am shoring pier 2 & pulling wires under the lid

Public Comments:

At 11:52 p.m. a nearby resident emailed the SR 520 mailbox saying "Pretty noisy tonight." This email was replied to on 04/08/2022 at 2:25 p.m. by Bob Derry acknowledging the complaint and saying the work they heard was only scheduled for Monday through Thursday nights so they won't be hearing it this weekend. The work is covered under TNV's 6889593-NV & 6889621-NV.

Exceedances:

Sites 4, & 10 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

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, April 4, 2022 to Sunday, April 10, 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

4/7/2022												
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	49.7	48.2	47.1	46.7	47.9	47.7	48.8	50.5	52.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	58.3	55.3	55.0	54.0	59.7	59.7	59.2	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	52.1	50.0	48.2	51.9	50.0	51.3	50.2	51.1	53.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	73.0	62.6	60.7	60.3	59.2	56.5	60.6	61.7	64.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	56.9	53.9	53.7	53.3	57.5	57.5	57.8	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	53.4	52.5	53.0	52.1	54.2	54.5	56.6	58.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.4	49.6	47.1	44.7	49.5	50.0	49.2	52.9	53.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	54.2	55.0	54.0	53.2	57.0	54.9	57.6	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	61.2	57.6	58.9	58.9	59.3	62.3	63.7	66.3	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 4:30am shoring pier 2, repairing an attenuator, & pulling wire under the lid

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, & 10 exceedances are due to public traffic driving by the noise monitors (**not work related**).

Site 9 was down from 7 a.m. 04/07/2022 to 9 p.m. 04/08/2022 for an unknown reason. There is no data available during that time.

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, April 4, 2022 to Sunday, April 10, 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

Friday, April 8, 2022												
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	49.9	48.3	47.1	44.5	47.2	44.3	43.2	45.6	50.7	51.1	52.2
Site 2 - 2015 E. Roanoke St	78	62.2	60.2	59.0	57.2	57.5	55.4	52.8	57.0	55.0	58.5	60.7
Site 3A - Canterbury Shores	62	50.0	48.6	48.3	46.2	44.6	44.5	45.3	45.4	49.5	49.6	53.5
Site 4 - 2800 Montlake Blvd E	66	65.4	64.2	61.9	64.3	57.9	56.1	68.0	59.9	63.4	64.7	67.3
Site 5 - 2565 22nd Av E.	65	58.4	57.4	55.7	56.0	54.6	51.5	55.4	53.4	57.3	59.3	64.1
Site 6 - 2160 E. Hamlin St	63	57.8	56.0	55.8	53.2	57.6	51.6	52.6	51.4	63.0	62.6	62.2
Site 7 - 2209 E. Lake Wa Blvd	66	50.7	49.1	51.9	45.2	48.1	47.0	55.6	51.7	53.1	54.8	56.6
Site 8 - Portable Between Sites 4 and 6	63	57.6	56.4	56.2	56.0	57.5	51.6	53.4	51.6	59.4	60.5	61.3
Site 9 - Portable Between Sites 1 and 7	66	60.4	59.7	57.4	69.9	57.4	57.2	70.4	57.1	60.5	68.2	72.6
Site 10 - Portable Between Sites 1 and 7	66	63.3	61.3	58.3	55.8	57.6	58.9	54.0	57.9	62.0	64.7	66.2

*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, 6, 9, & 10 exceedances are due to public traffic driving by the noise monitors (**not 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, April 4, 2022 to Sunday, April 10, 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

Saturday, April 9, 2022												
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	50.5	51.6	47.5	45.8	46.3	45.5	47	46.6	50.1	51.9	54.4
Site 2 - 2015 E. Roanoke St	78	61.8	62.2	58.6	59.5	56.3	57.5	57.4	57.1	60	60.8	65.9
Site 3A - Canterbury Shores	62	50.9	52.9	48.9	46.2	49.0	51.0	48.6	46.5	50.6	49.9	53.4
Site 4 - 2800 Montlake Blvd E	66	66.0	65.2	63.9	64.6	59.9	59.9	60.0	61.9	65.7	65.2	68.1
Site 5 - 2565 22nd Av E.	65	60.8	61.0	57.6	59.1	56.5	57.5	57.4	55.4	58.4	59.5	64.0
Site 6 - 2160 E. Hamlin St	63	58.9	58.7	55.1	52.2	51.8	50.7	52.0	52.1	59.6	62.0	61.9
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	54.0	49.2	47.9	46.9	45.5	45.8	49.2	51.8	54.9	57.1
Site 8 - Portable Between Sites 4 and 6	63	59.2	59.1	56.1	52.6	52.1	51.1	53.6	50.6	58.3	59.7	60.8
Site 9 - Portable Between Sites 1 and 7	66	69.1	65.4	60.4	57.4	56.9	58.7	57.2	58.7	61.2	63.7	69.2
Site 10 - Portable Between Sites 1 and 7	66	65.0	64.3	65.4	60.2	56.2	57.4	58.6	57.1	57.9	61.6	63.0

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 6:00am and 9:00am drilling and installing soldier piles on Pier 4.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4. & 9 exceedances are due to public traffic driving by the noise monitors (**not 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, April 4, 2022 to Sunday, April 10, 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

Sunday, April 10, 2022												
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	49.1	48.5	46.7	44.3	43.0	44.0	50.1	54.8	57.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	57.7	55.3	53.6	53.7	55.0	58.9	63.4	66.0	N/A	N/A
Site 3A - Canterbury Shores	62	48.1	47.6	46.3	45.7	45.9	48.2	55.0	58.0	61.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	61.8	59.0	56.7	54.0	56.0	56.3	60.1	64.3	66.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	56.0	53.8	52.2	52.2	52.2	53.4	57.5	61.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.8	52.1	49.2	43.1	42.3	43.4	49.0	54.2	55.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.6	47.9	44.9	42.7	41.9	43.3	48.1	54.3	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	55.1	51.7	47.7	46.4	47.4	51.2	55.5	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	69.0	57.5	54.8	53.1	53.0	55.7	57.9	62.8	67.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	62.1	59.9	59.5	55.8	52.7	53.0	59.1	65.1	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 12:50am cleaning roadways and removing precast barriers and heavy equipment off sites.

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

Exceedances:
Site(s) 4, 9 exceedance is due to public traffic driving by the noise monitors (**not 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, April 4, 2022 to Sunday, April 10, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
8:30 a.m. 04/05/2022	Nearby resident texted Cheryl Webster from Graham.	Neighbor heard banging and clanging around 4 a.m. on April 5, and mentioned this was the second disturbance this week.	Cheryl Webster responded via text and explained that the work taking place those nights did not exceed the noise limits. The project provided hotel rooms for this neighbor for the following weekend.
11:52 p.m. 04/06/2022	Nearby resident emailed the SR 520 inbox.	Neighbor said, "Pretty noisy tonight."	Bob Derry with Graham responded via phone call. Bob left a message on 4/8 at 2:25 p.m. to acknowledge the noise complaint. Bob said the work they heard was only scheduled for Monday through Thursday nights so they won't be hearing it this weekend.