

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 13, 2023** to **Sunday, March 19, 2023**

PUBLISHED March 22, 2023

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: **1312**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	0
Nighttime noise issue comments to the project	3
Non-project-related noise exceedances this week	5

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	705
Total Project related non-compliance	119
Total noise issue comments to the project	133
Total non-project related exceedances	4154

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, March 13, 2023 to Sunday, March 19, 2023 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, March 13, 2023												
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	55.9	54.3	51.8	51.0	50.2	51.9	53.6	56.6	58.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.4	58.2	54.7	52.6	54.1	53.3	55.9	59.1	61.1	N/A	N/A
Site 3A - Canterbury Shores	62	49.5	48.5	45.6	45.0	43.9	44.8	44.8	48.4	49.7	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.3	57.4	55.1	52.8	51.9	53.1	56.9	60.3	61.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	56.9	53.1	51.1	53.9	52.4	54.4	58.0	59.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	54.0	50.8	49.0	47.3	49.5	52.0	55.6	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.6	55.5	48.3	46.5	45.7	47.5	51.0	54.6	56.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	55.7	51.5	49.7	48.4	51.1	53.0	57.1	57.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	61.9	54.8	53.4	53.2	54.6	59.4	64.0	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.4	58.9	55.9	54.7	53.4	55.4	59.7	64.3	66.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 4:30am installing rebar on the Montlake lid. Elcon worked between 10:00pm and 3:40am installing lighting on EB Pier 2 and the DXEI ramp, 6 workers on site.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 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, March 13, 2023 to Sunday, March 19, 2023 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, March 14, 2023												
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	54.3	54.4	53.1	55.1	51.6	52.4	56.2	58.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.2	58.3	56.6	54.9	52.0	54.9	56.5	61.1	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	48.8	47.4	44.2	43.4	39.9	44.2	45.5	50.8	50.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	62.6	54.9	53.8	53.8	49.8	52.9	55.8	59.1	60.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.2	56.9	55.1	53.6	50.0	52.7	55.0	59.4	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.1	51.3	53.2	51.6	47.2	49.9	48.9	52.1	53.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.4	51.4	51.2	49.5	46.0	49.7	51.8	54.9	56.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.1	51.8	53.0	52.3	46.7	51.8	50.8	54.7	57.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	68.9	57.4	57.3	56.3	53.0	57.7	60.8	63.7	64.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	59.7	58.4	58.2	59.3	56.8	60.2	63.3	66.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:40am installing lighting on EB Pier 2 and the DXEI ramp, 6 workers on site. Graham worked between 10:00pm and 4:00am installing rebar on the Montlake lid. Graham worked between 10:00pm and 3:00am installing drainage on Lake Washington Blvd.

Public Comments:

at 10:20 pm a nearby resident called to complain of loud noises and vibrations from the work along Lake Washington Boulevard. They said it sounded and felt like something being dropped over and over again. They asked why she had not received a notice about this loud nighttime work.

at 8:49 am, a nearby resident (2409 E Lake Washington Blvd) called the hotline to complain about noisy and vibratory work the night before. They said “the noise went on all night and well after midnight and included generator noises and lights shining in their windows. The noise sounded like something rolling along the ground. The vibrations would make the entire house shake.”

At 7:55am a nearby resident (2419 E Lake Washington Blvd) called the hotline, they expressed that the noise and light from the construction was unacceptable. They were concerned that notification was not sent out and lack of hotel offers. They noted that they did not call the hotline as they knew the result would be a late hotel offer which they were not interested in.

Exceedances:

Sites 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).

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NOISE MONITORING - WEEKLY REPORT
Monday, March 13, 2023 to Sunday, March 19, 2023 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, March 15, 2023												
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	59.1	59	56.9	56.9	54.1	51.5	50.9	53.1	57.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	57.6	55	54.4	53.6	53.4	56.6	60.4	62.6	N/A	N/A
Site 3A - Canterbury Shores	62	51	48.9	43.3	46.1	41.3	42.4	45.3	49.8	52.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.6	56.5	52.6	53.5	50.7	51.7	54.5	58.7	59.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	56.2	53.2	53	52.3	51.7	54.9	58.5	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	55.4	51	53.1	48	48.3	47.9	52.9	54.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	52.4	48.9	50.5	46.8	48	50.6	55.4	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.4	55	51.2	51.8	49.2	48.9	50.8	56	55.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	57.9	54.7	54.5	54	56.5	59.3	62.4	64.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.1	56.9	56.6	54.3	57.3	58.9	64	67	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am installing lighting on EB Pier 2 and the DXEI ramp, 6 workers on site. Graham worked between 10:00pm and 1:30am installing drainage on Lake Washington Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 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

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= No contract work . Portable monitors are not being used (not needed).

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Monday, March 13, 2023 to Sunday, March 19, 2023 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, March 16, 2023												
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	57.6	53	50.9	50.6	50.9	53.6	57.8	61.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	65.3	62.3	59.9	56.8	55.3	54.5	58.8	62.7	64.2	N/A	N/A
Site 3A - Canterbury Shores	62	52.1	51.4	49.9	47.6	45.3	45.3	48.6	52.5	55.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.9	63.8	55.8	54.5	52.2	52.3	57	60.3	62.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	63.5	60.9	58.2	55.4	53.8	53.1	57.3	60.9	62.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.4	58.5	54.1	51.7	49.9	49.4	52.4	56.6	59.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	63.1	58.5	52.5	50.3	48.1	47.9	55.9	56.6	58.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.9	58.5	53.7	52.9	50.1	49.4	52.7	57.1	60	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	~	~	~	~	~	~	~	~	~	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am installing lighting on EB Pier 2 and the DXEI ramp, 6 workers on site. Graham worked between 10:00pm and 11:10pm installing drainage on Lake Washington Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

Legend

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Friday, March 17, 2023												
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	56.9	56.2	52.6	54.1	55.3	53.1	50.3	54.5	56.7	58.7	60.2
Site 2 - 2015 E. Roanoke St	78	62.2	62.1	60.3	58.6	57.0	56.2	55.2	57.7	60.4	62.3	62.3
Site 3A - Canterbury Shores	62	53.5	54.2	50.5	49.7	47.7	47.0	42.6	46.5	50.0	52.3	54.0
Site 4A - 2110 E. Hamlin St	66	58.7	57.8	57.1	54.6	52.6	52.8	50.7	55.3	58.3	59.6	59.4
Site 5 - 2565 22nd Av E.	65	60.9	60.7	59.0	57.2	55.5	55.0	53.8	56.1	58.7	60.8	61.0
Site 6 - 2160 E. Hamlin St	63	54.8	55.3	59.0	57.3	53.7	54.0	53.3	53.5	57.8	58.8	57.5
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	54.0	52.5	52.5	56.0	53.9	49.6	53.3	56.1	57.5	57.1
Site 8 - Portable Between Sites 4 and 6	63	56.6	55.8	53.7	56.4	52.2	54.1	50.9	53.8	57.2	58.4	57.7
Site 9 - Portable Between Sites 1 and 7	66	62.9	61.3	61.9	57.8	57.9	59.1	56.4	59.5	61.5	63.5	62.5
Site 10 - Portable Between Sites 1 and 7	66	64.3	62.5	59.0	58.4	60.5	59.1	54.8	59.9	63.5	64.5	65.5

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 9:00am cutting concrete and installing drainage on Montlake Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

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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, March 13, 2023 to Sunday, March 19, 2023 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, March 18, 2023												
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	55.3	54.1	53	50.5	51.1	49.2	52.2	54.5	56.4	58.3
Site 2 - 2015 E. Roanoke St	78	62	61.3	62.3	58.7	58.4	54.9	54.5	56.6	59	60.3	61.9
Site 3A - Canterbury Shores	62	52.7	52.5	53.2	49.3	47.5	45.6	44.4	49.8	48.8	53.1	52.5
Site 4A - 2110 E. Hamlin St	66	58.0	57.1	58.2	54.4	54.8	50.9	50.2	53.3	56.0	57.6	58.8
Site 5 - 2565 22nd Av E.	65	60.4	59.9	60.1	57.5	56.4	53.7	53.2	55.3	57.8	59.0	60.3
Site 6 - 2160 E. Hamlin St	63	55.9	54.4	54.2	51.9	48.9	48.5	45.6	51.7	54.7	55.9	55.5
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	54.0	53.3	52.5	50.4	49.3	49.1	52.0	54.3	56.1	55.8
Site 8 - Portable Between Sites 4 and 6	63	55.2	54.5	53.6	53.0	49.8	50.3	48.0	52.1	55.7	56.1	56.3
Site 9 - Portable Between Sites 1 and 7	66	60.9	60.3	60.2	57.1	57.0	54.2	55.0	56.8	59.7	60.7	64.6
Site 10 - Portable Between Sites 1 and 7	66	62.2	59.3	58.8	55.6	55.2	50.9	54.5	56.3	59.6	61.3	65.1

*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:

No Exceedances

Non-Compliance:

Legend

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N/A = Time Period not applicable to MPPCNV

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The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Sunday, March 19, 2023												
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	52.0	49.7	50.6	47.8	47.2	51.0	57.0	60.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	59.9	56.6	58.0	51.3	55.3	56.6	60.5	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	48.7	47.8	44.5	45.5	42.7	44.1	46.6	49.2	51.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.4	56.9	52.7	51.9	48.6	54.6	55.8	61.8	61.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.0	59.5	55.8	57.6	49.9	55.1	55.8	60.1	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.7	53.3	49.8	46.7	44.8	45.2	49.5	53.4	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.2	55.9	50.5	53.3	45.5	50.5	52.0	56.6	58.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.3	55.5	50.7	49.0	45.6	48.7	52.8	56.0	57.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.8	61.1	64.2	58.4	62.6	53.5	60.7	62.0	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.0	58.1	57.1	55.1	55.4	52.3	57.3	64.1	67.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 12:40am patching roadway on DWXI. PSC worked between 10:00am and 1:30am installing traffic barriers.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 10 exceedance is 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, March 13, 2023 to Sunday, March 19, 2023

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
10:20 p.m. 3/13/2023	From: Nearby resident To: Project Hotline	at 10:20 pm a nearby resident called to complain of loud noises and vibrations from the work along Lake Washington Boulevard. They said it sounded and felt like something being dropped over and over again. They asked why she had not received a notice about this loud nighttime work.	The resident asked to not have a follow up call and refused an offer of a hotel. Work activity was changed after complaint was received.
7:55 a.m. 3/14/2023	From: Nearby resident To: Project Hotline	At 7:55am a nearby resident (2419 E Lake Washington Blvd) called the hotline, they expressed that the noise and light from the construction was unacceptable. They were concerned that notification was not sent out and lack of hotel offers. They noted that they did not call the hotline as they knew the result would be a late hotel offer which they were not interested in.	Cheryl noted the neighborhood meeting and that Graham/WSDOT would be discussing upcoming work for the area, to which the resident noted she would be present.
8:49 a.m. 3/14/2023	From: Nearby resident To: Project Hotline	at 8:49 am, a nearby resident (2409 E Lake Washington Blvd) called the hotline to complain about noisy and vibratory work the night before. They said "the noise went on all night and well after midnight and included generator noises and lights shining in their windows. The noise sounded like something rolling along the ground. The vibrations would make the entire house shake."	Bob suggested they attend today's information session for Lake Washington Boulevard residents for more information about upcoming construction.