

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, January 2, 2023** to **Sunday, January 8, 2023**

PUBLISHED January 11, 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: **1242**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	5
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	4

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	652
Total Project related non-compliance	118
Total noise issue comments to the project	127
Total non-project related exceedances	4041

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, January 2, 2023 to Sunday, January 8, 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, January 2, 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	56.3	55.0	54.1	54.0	54.5	53.6	54.1	57.1	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.7	58.6	54.1	52.4	51.9	51.6	53.8	57.8	60.2	N/A	N/A
Site 3A - Canterbury Shores	62	45.1	43.3	41.7	41.1	41.9	40.5	40.6	46.1	48.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	61.5	58.4	52.9	52.2	50.6	51.6	54.9	59.6	61.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.4	56.9	52.7	51.6	50.6	50.2	51.7	56.4	58.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.5	51.1	48.9	48.6	48.1	46.4	49.1	54.3	56.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	53.3	48.0	47.1	47.3	45.5	51.1	54.3	56.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.9	54.2	52.0	50.6	50.7	49.6	51.3	56.0	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	61.9	54.7	53.7	52.9	54.7	59.6	61.5	63.6	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:

No nighttime construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

Monitor 10 had it's battery stolen.

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, January 2, 2023 to Sunday, January 8, 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, January 3, 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	56.7	53.8	51.9	50.2	51.7	52.9	52.9	57.8	60.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	57.5	54.5	53.5	52.8	54.6	58.1	60.8	63.9	N/A	N/A
Site 3A - Canterbury Shores	62	50.0	47.1	46.5	44.7	45.3	46.3	47.6	50.4	52.7	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.0	55.6	54.0	51.6	51.3	54.3	56.9	59.5	61.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	55.7	53.8	52.3	51.4	52.7	56.3	59.0	62.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	53.8	52.5	49.8	48.5	48.8	51.9	57.5	58.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	52.7	51.0	52.5	49.3	50.1	53.8	57.0	58.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.2	54.8	54.0	51.9	50.4	51.1	54.6	58.9	59.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	59.3	56.6	65.8	56.3	58.0	62.1	62.6	65.4	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 working on lighting on Pier 2 WB and Montlake to WB SR 520, 6 workers on site. Graham worked between 10:00pm and 4:30am removing false decking and excavating fill on WB SR 520 and Pier 2 West.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

Monitor 10 had it's battery stolen.

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, January 2, 2023 to Sunday, January 8, 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, January 4, 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	55.2	53.5	51.9	52.8	51.1	50.3	51	58.2	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	64.8	57.6	55.7	54.9	56	55.1	57.8	60.4	61	N/A	N/A
Site 3A - Canterbury Shores	62	53	52.5	51.6	46.9	47.4	46.3	49.6	51.9	54.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58	55.4	54.2	52.9	52.8	52	55.2	59.4	61.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.8	56.4	54.5	53.6	55	53.7	56.3	58.8	59.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.8	54.6	52.9	48.3	50.1	46.7	51.1	58.3	59.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.1	54.3	52.2	49	50.5	50	54.8	57.2	59	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.1	53.2	52.7	49.6	52.8	48.9	52.5	58.7	59	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.7	59.3	57.4	55.6	57.1	58	63.6	62.3	64	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 3:40am working on lighting on Pier 2 WB and Montlake to WB SR 520, 6 workers on site. Graham worked between 10:00pm and 3:30am removing false decking and setting girders on WB SR 520 and RSUP tunnel.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

Monitor 10 had it's battery stolen.

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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Monday, January 2, 2023 to Sunday, January 8, 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, January 5, 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	55.3	55.8	52.1	49.8	52.2	50.9	53.4	56.3	58.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60	58.9	61	57.4	52.9	53.8	55.3	62.4	61.5	N/A	N/A
Site 3A - Canterbury Shores	62	49.7	49.4	46.7	45.9	45.8	47	46	49.8	50.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.9	59.8	64.3	52.5	51.7	54	56.1	59.5	61.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	58.2	58.9	56.2	51.6	52.9	53.6	60.2	60	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	55.4	51.7	48.4	48	50.6	50.3	56.6	59.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55	54.1	56.4	51.3	48.3	50.4	53.2	57.2	58.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.8	57.2	55.9	50.3	49.8	52.9	52.1	58.3	60.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63	61.6	69.9	60.7	56.1	56.4	63.7	66.5	64.5	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 working on lighting on Pier 2 WB, 6 workers on site. Graham worked between 10:00pm and 3:20am removing installing drainage and setting girders on WB SR 520 and RSUP tunnel.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 9 exceedances are due to public traffic. **(Non work related)**.

Non-Compliance:

Monitor 10 had it's battery stolen.

Legend

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

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Red = Noise Level Exceedance, project related

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Monday, January 2, 2023 to Sunday, January 8, 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

Friday, January 6, 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	57.3	54.9	52.1	54.1	48.2	52.8	52.6	51.4	53.7	57.8	58.6
Site 2 - 2015 E. Roanoke St	78	61.1	60.4	57.7	57.1	54.3	55.1	55.2	56.9	59.4	61.3	61.9
Site 3A - Canterbury Shores	62	48.7	48.0	47.9	48.0	45.8	49.6	47.3	47.4	48.8	53.7	58.1
Site 4A - 2110 E. Hamlin St	66	59.1	57.8	55.6	55.2	50.3	54.0	50.8	53.3	54.7	56.7	57.9
Site 5 - 2565 22nd Av E.	65	59.9	59.4	57.5	56.8	53.9	55.3	54.2	55.8	58.0	60.0	60.9
Site 6 - 2160 E. Hamlin St	63	53.2	53.6	50.9	49.8	45.8	49.2	48.1	49.2	49.5	53.3	54.1
Site 7 - 2209 E. Lake Wa Blvd	66	56.7	54.9	52.9	54.1	48.5	50.5	49.7	50.9	52.2	54.0	54.1
Site 8 - Portable Between Sites 4 and 6	63	56.4	56.0	51.8	52.9	46.8	51.2	49.4	51.6	52.5	54.2	55.7
Site 9 - Portable Between Sites 1 and 7	66	64.0	62.9	60.4	61.0	55.8	57.1	58.5	58.5	60.6	63.5	62.6
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 9:00am installing girders on WB SR 520, removing false decking under the lid on WB SR 520. PSC worked between 10:00pm and 1:30am removing traffic barriers from SR 520. American Bridge worked between 4:30am and 9:00am pouring concrete on the bridge.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedance

Non-Compliance:

Monitor 10 had it's battery stolen.

Legend

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Monday, January 2, 2023 to Sunday, January 8, 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, January 7, 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	53.5	52.3	53	50.3	53.1	52.2	48.1	50.1	53.7	61.5	62.2
Site 2 - 2015 E. Roanoke St	78	60.2	58.6	56.9	55.6	56.3	56	69	57.7	63.3	60.2	63.1
Site 3A - Canterbury Shores	62	50.7	44.1	43.5	43.5	40.1	43.1	41.2	43.7	46.1	49.3	52.7
Site 4A - 2110 E. Hamlin St	66	54.2	53.9	52.5	49.8	49.0	49.9	59.9	51.8	58.9	56.6	58.1
Site 5 - 2565 22nd Av E.	65	58.9	57.8	55.7	54.1	55.2	54.8	70.4	57.2	62.5	59.5	62.5
Site 6 - 2160 E. Hamlin St	63	49.8	54.7	55.8	50.0	47.2	49.0	45.4	48.3	48.1	52.2	54.1
Site 7 - 2209 E. Lake Wa Blvd	66	52.1	52.5	50.6	50.4	49.5	49.1	56.1	52.4	60.0	52.7	58.8
Site 8 - Portable Between Sites 4 and 6	63	52.2	51.8	51.1	48.7	47.5	50.8	50.9	51.3	51.9	54.6	55.4
Site 9 - Portable Between Sites 1 and 7	66	59.3	60.0	57.5	56.4	56.4	55.1	63.4	58.0	68.5	60.3	64.1
Site 10 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 9:00am installing girders on WB SR 520, removing false decking under the lid on WB SR 520. Elcon worked between 10:00pm and 6:00am on installing lighting on WB Sr 520.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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

Non-Compliance:

Monitor 10 had it's battery stolen.

Legend

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

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Red = Noise Level Exceedance, project related

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Monday, January 2, 2023 to Sunday, January 8, 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

Sunday, January 8, 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	52.9	51.7	51.9	46.4	48.5	54.3	57.5	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	57.9	55.8	53.1	51.6	52.5	56.8	60.5	63.4	N/A	N/A
Site 3A - Canterbury Shores	62	47.5	45.1	44.4	41.3	39.0	41.2	46.7	53.1	55.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.9	57.6	54.4	51.9	49.4	49.9	55.6	58.9	61.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	56.4	55.3	52.2	52.2	50.2	51.0	54.9	58.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.4	53.0	52.6	48.3	46.3	47.1	52.1	55.7	57.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	52.8	51.3	50.2	45.9	48.0	52.8	57.0	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.1	55.0	54.9	49.3	48.0	49.7	53.7	57.0	59.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.5	60.7	57.8	60.2	52.7	56.6	60.5	62.9	65.1	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:

No nighttime construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

Monitor 10 had it's battery stolen.

Legend

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

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NOISE MONITORING - WEEKLY REPORT

Monday, January 2, 2023 to Sunday, January 8, 2023

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution