



SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for

Monday, June 26, 2023

to

Sunday, July 2, 2023

PUBLISHED July 5, 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: 1417

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	49

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	775
Total Project related non-compliance	122
Total noise issue comments to the project	143
Total non-project related exceedances	4833

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, June 26, 2023 to Sunday, July 2, 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, June 26, 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	54.0	50.4	51.2	45.1	47.8	45.7	49.4	52.9	57.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.6	56.7	56.2	53.5	53.3	56.9	55.0	58.3	61.9	N/A	N/A
Site 3A - Canterbury Shores	62	49.1	46.3	44.3	53.9	54.0	53.9	54.1	54.3	55.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.1	54.3	54.4	52.2	52.2	52.1	54.2	57.5	59.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.7	63.0	65.8	62.4	64.2	61.7	63.2	62.8	68.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.7	49.9	51.2	45.5	48.5	53.3	50.6	51.7	53.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	60.6	58.5	60.5	56.3	58.9	58.3	60.5	60.8	63.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	53.4	55.5	49.7	52.9	45.1	52.5	54.1	54.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.1	57.6	57.5	52.9	55.9	56.1	58.9	61.4	64.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67.9	68.2	64.4	64.1	64.3	66.4	65.8	70.1	71	N/A	N/A
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon was onsite between 10:30pm and 3:35am working on installing conduits and lighting on the right lane closure on WB SR 520 under the lid.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 5, & 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, June 26, 2023 to Sunday, July 2, 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, June 27, 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	56.4	55.1	54.1	52.7	52.1	52.6	53.2	56.0	57.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	58.1	55.3	52.5	50.9	51.7	55.6	58.5	61.0	N/A	N/A
Site 3A - Canterbury Shores	62	47.8	44.8	45.9	53.8	53.7	54.1	54.0	54.3	55.5	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.6	54.9	53.7	49.9	47.7	48.3	53.2	57.7	61.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.2	63.6	63.7	62.1	58.1	59.5	61.7	63.4	66.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.0	50.1	52.0	46.7	42.0	43.5	49.7	51.4	51.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	60.4	60.4	58.9	57.2	55.6	56.6	58.7	64.3	62.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.9	53.7	53.8	50.1	44.5	46.3	49.3	53.7	53.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	59.1	55.8	53.3	54.0	54.0	65.3	64.1	66.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67.9	68.2	64.4	64.1	64.3	66.4	65.8	70.1	71.0	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
Work: Elcon was onsite between 10:30pm and 3:35am working on installing conduits and lighting on the right lane closure on WB SR 520 under the lid.												
Public Comments: No public comments received related to nighttime noise.												
Exceedances: Site(s) 5,9 & 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, June 26, 2023 to Sunday, July 2, 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, June 28, 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	55.8	53.7	50.6	47.2	45.5	48.1	49.2	54.8	58	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	57.3	55.2	51.9	50.1	51.3	55.8	59.5	61.9	N/A	N/A
Site 3A - Canterbury Shores	62	50.5	48.7	48.4	53.7	53.9	55.3	54.1	54.7	56.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.8	55	53.1	49.1	47.1	49.5	54.6	57.9	60.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	66.9	63.7	64.5	60.3	58	56.8	63.5	64.6	65.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.8	51.3	51	47.6	44.9	47.1	48	52.8	53.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	65.1	61.2	59.9	56	55.2	58.1	64.8	65.2	64.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	60.1	52.8	53.3	49	47	45.8	50.6	54.3	54.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.9	61.9	57.4	52.7	51.5	55.3	59.5	62.7	64.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	69.7	66.9	65.8	64.1	64.1	66.2	66.9	70	71	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon was onsite between 10:30pm and 3:35am working on installing conduits and lighting on the right lane closure on WB SR 520 under the lid and closure for left lane on EB SR 520.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 5, & 10 exceedance is 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, June 26, 2023 to Sunday, July 2, 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, June 29, 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	56.1	52.2	50.3	46.1	45.8	46.2	48.9	54.7	59.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	56.7	54.2	51.6	51.5	50.5	54.6	60.5	61	N/A	N/A
Site 3A - Canterbury Shores	62	49.4	46.3	45.1	54	53.9	54	54.1	54.6	56.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.2	54.1	51.6	49.2	48	47.9	53.2	56.5	59.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	54.9	52.1	49.8	49.5	48.5	52.1	58	59.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.8	49	50	47.7	46.1	45.3	50.5	49.1	52.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	61.9	59.9	62.2	55.1	54.3	55.8	59.2	61.1	64.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	57.4	46.8	44.9	44.4	43.4	47.7	48.6	52.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.3	58.3	57.5	57.5	52.7	52.3	65.1	61.9	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.17	66.171	65.5	63.5	62.5	65	65.8	70.1	72.7	N/A	N/A
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon was onsite between 10:30pm and 3:30am working on installing conduits and lighting on the right lane closure on right lane WB SR 520 under the lid and closure for left lane on EB SR 520.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 10 exceedance is 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

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NOISE MONITORING - WEEKLY REPORT
Monday, June 26, 2023 to Sunday, July 2, 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, June 30, 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	54.2	54.3	52.9	49.5	46.9	43.2	44.8	47.5	50.2	51.2	54.7
Site 2 - 2015 E. Roanoke St	78	63.3	63.5	55.3	52.6	51.6	50.0	50.1	52.5	55.5	55.3	58.1
Site 3A - Canterbury Shores	62	54.4	52.3	51.7	54.3	54.3	54.9	54.9	54.7	55.0	54.6	51.9
Site 4A - 2110 E. Hamlin St	66	68.4	73.1	62.4	58.8	58.6	57.0	60.3	59.9	62.3	63.0	66.6
Site 5 - 2565 22nd Av E.	65	70.9	73.6	62.3	59.0	57.1	56.1	58.3	60.2	63.0	64.1	64.4
Site 6 - 2160 E. Hamlin St	63	52.1	51.4	49.4	45.9	45.0	43.0	48.0	48.1	47.5	49.4	54.1
Site 7 - 2209 E. Lake Wa Blvd	66	63.2	63.1	60.9	55.1	53.7	53.3	57.0	58.0	57.4	59.4	62.9
Site 8 - Portable Between Sites 4 and 6	63	51.6	50.8	49.5	46.7	45.0	42.4	44.5	45.6	48.6	48.3	53.8
Site 9 - Portable Between Sites 1 and 7	66	61.5	64.3	55.9	52.4	53.8	53.6	55.1	53.3	55.2	57.9	59.8
Site 10 - Portable Between Sites 1 and 7	66	67.3	67.0	66.3	61.7	61.0	61.3	61.2	65.6	66.7	68.1	68.9
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon was onsite between 10:30pm and 3:30am working on installing conduits and lighting on the left lane Pier 3. closure set on EB SR 520 (DXEI-EB on ramp) close left two lane under the lid of EB SR 520.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4A, 5, & 10 exceedances are due to public traffic. **(Non work related).**

Non-Compliance:

None.

Legend

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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, June 26, 2023 to Sunday, July 2, 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, July 1, 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	59.6	59.9	53	47.6	45.5	43.1	45	46.6	50.1	50.8	53.7
Site 2 - 2015 E. Roanoke St	78	58.1	56.3	54.6	54	50.7	48.8	49.2	51.7	59.6	56.9	57.2
Site 3A - Canterbury Shores	62	55.0	54.4	53.5	49.8	46.7	42.4	40.3	42.4	46.7	47.1	51.8
Site 4A - 2110 E. Hamlin St	66	64.0	64.0	61.1	60.5	57.8	57.2	59.5	65.0	61.8	62.1	64.2
Site 5 - 2565 22nd Av E.	65	64.1	63.7	60.5	61.4	57.3	55.3	55.3	59.1	66.2	66.5	63.3
Site 6 - 2160 E. Hamlin St	63	51.5	52.8	49.6	47.4	45.3	42.9	53.7	51.9	53.3	47.3	50.8
Site 7 - 2209 E. Lake Wa Blvd	66	61.3	60.4	57.4	56.9	54.5	50.4	52.5	55.0	59.8	58.3	61.1
Site 8 - Portable Between Sites 4 and 6	63	50.5	49.2	47.2	47.5	44.0	43.5	45.9	46.7	48	47.3	51.1
Site 9 - Portable Between Sites 1 and 7	66	60.1	59.2	56.8	58.4	49.9	48.0	48.9	51.4	57.3	56.0	58.3
Site 10 - Portable Between Sites 1 and 7	66	67.0	66.7	65.5	64.3	62.4	58.0	60.2	64.4	67.2	68.0	68.4

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Elcon was onsite between 10:30pm and 8:30 am working on installing conduits and lighting on the EB SR 520 under the lid.

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

Exceedances:
Site(s) 5 & 10 exceedance is 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
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Monday, June 26, 2023 to Sunday, July 2, 2023 10 pm to 7 am (weekdays) / 9 am (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, July 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	52.6	50.1	48.5	46.1	43.9	44.1	47.5	53.3	54.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.2	67.5	52.7	52.9	49.3	49.5	52.2	58.4	60.3	N/A	N/A
Site 3A - Canterbury Shores	62	46.9	44.8	44.6	43.8	40.5	40.3	43.3	46.8	49.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	53.8	58.6	49.8	48.0	46.3	46.4	49.6	56.1	59.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.7	70.9	57.9	60.7	55.0	54.9	58.5	61.7	64.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	47.4	46.4	47.9	44.4	45.3	44.2	46.1	51.2	50.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.3	62.4	55.0	56.2	51.1	52.8	55.7	62.1	60.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	49.0	50.8	46.1	45.0	44.0	44.2	46.6	50.3	51.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.5	62.5	52.9	54.1	48.4	51.3	52.1	61.4	62.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.7	66.0	65.0	62.9	59.3	61.2	64.6	69.2	69.6	N/A	N/A
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham and Elcon were onsite between 10:30pm and 9:00am working on installing temporary lighting on the WPX and WDX ramps, excavating and installing shoring walls, and installing drainage on the Montlake Blvd intersection.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 5 & 10 exceedance is 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

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Monday, June 26, 2023 to Sunday, July 2, 2023 10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)

Public Comment Log			
Date / Time	To/From	Issue	Resolution