

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, August 15, 2022 to Sunday, August 21, 2022

PUBLISHED August 24th, 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).

MPPCNV start date: Friday, August 16, 2019

MPPCNV days to date: 1102

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	2

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	573
Total Project related non-compliance	116
Total noise issue comments to the project	125
Total non-project related exceedances	3855

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, August 15, 2022 to Sunday, August 21, 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, August 15, 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	56.2	54.6	49.1	45.3	50.5	47.5	51.0	55.0	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.2	56.7	55.3	51.1	51.7	52.6	55.2	59.3	61.6	N/A	N/A
Site 3A - Canterbury Shores	62	50.1	48.5	47.0	51.9	53.0	52.2	52.7	53.6	56.0	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.2	53.7	57.0	47.4	52.5	51.8	52.6	56.3	58.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.9	55.3	53.4	49.5	50.2	50.9	53.1	57.2	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	48.6	47.1	44.3	52.2	47.3	46.4	49.8	52.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.7	51.2	51.6	44.0	49.1	46.4	50.3	54.8	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	50.4	50.8	45.3	52.3	50.1	48.9	51.4	53.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.3	57.4	65.7	51.2	52.2	54.5	58.2	62.7	63.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	60	56.5	52.7	53.5	54.5	60.3	63.6	65.7	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 pulling wires on the WB SR 520 Closure, 5 workers on site. Salinas worked between 5:00am and 7:00am on Pier 3 on setting up for the concrete pour.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

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, August 15, 2022 to Sunday, August 21, 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, August 16, 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	57.4	53.4	49.5	48.4	46.9	47.4	49.2	54.5	57.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	56.2	54.5	52.3	51.7	52.3	55.8	59.5	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	50.4	49.4	47.5	51.8	52.1	52.3	52.8	54.2	55.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.5	53.9	51.8	49.4	47.9	50.7	53.3	56.8	58.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	54.9	52.9	50.5	49.8	50.5	54.1	57.8	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.6	51.8	48.0	45.5	44.9	45.6	46.3	50.2	51.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	52.5	49.1	46.3	46.1	46.4	49.7	54.3	54.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.6	52.2	49.8	46.9	46.8	47.5	48.1	55.2	53.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	58.1	55.7	53.0	52.4	53.3	58.4	61.7	62.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.9	60.6	56.9	56.2	54.5	54.1	57.6	64.4	64.3	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 pulling wires on the WB SR 520 Closure, 6 workers on site. Salinas worked between 10:00pm and 10:20pm on Pier 3 working on concrete.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

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, August 15, 2022 to Sunday, August 21, 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, August 17, 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	57.4	53.4	49.5	48.4	46.9	47.4	49.2	54.5	57	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	56.2	54.5	52.3	51.7	52.3	55.8	59.5	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	50.4	49.4	47.5	51.8	52.1	52.3	52.8	54.2	55.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.5	53.9	51.8	49.4	47.9	50.7	53.3	56.8	58.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	54.9	52.9	50.5	49.8	50.5	54.1	57.8	60	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.6	51.8	48	45.5	44.9	45.6	46.3	50.2	51.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	52.5	49.1	46.3	46.1	46.4	49.7	54.3	54.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.6	52.2	49.8	46.9	46.8	47.5	48.1	55.2	53.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	58.1	55.7	53	52.4	53.3	58.4	61.7	62.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.9	60.6	56.9	56.2	54.5	54.1	57.6	64.4	64.3	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 pulling wires on the DXEI merging lanes, 4 workers on site. PSC worked between 10:00pm and 12:10am on setting barriers on Pier 1. American Bridge worked between 4:00am and 5:00am on the trestle on concrete pours. Graham worked between 6:00am and 7:00am on the Montlake lid on concrete pour.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances.

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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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, August 15, 2022 to Sunday, August 21, 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

Thursday, August 18, 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	56.5	53.1	50.4	46.0	45.8	45.4	48.5	53.4	56.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.8	57.3	59.3	51.1	50.4	51.7	53.9	58.5	60.0	N/A	N/A
Site 3A - Canterbury Shores	62	52.4	46.6	46.6	51.8	52.1	52.2	52.5	52.9	53.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	62.1	56.5	58.0	50.3	49.9	51.2	53.8	58.0	59.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.2	56.1	60.0	50.0	49.1	50.0	52.5	56.7	58.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	51.0	50.4	47.0	47.1	47.8	49.2	52.5	54.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.8	51.9	53.1	44.8	44.9	44.7	48.2	53.9	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.3	52.2	51.8	47.0	47.3	48.0	50.8	53.7	55.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.5	60.5	62.6	52.3	52.9	53.1	56.5	63.0	65.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.9	61.7	58.4	54.5	54.3	52.6	56.4	62.7	66.9	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 pulling wires on the DXEI merging lanes, 5 workers on site. PSC worked between 10:00pm and 11:30pm on setting barriers and working on Pier 3. American Bridge worked between 6:00am and 7:00am on a water concrete pour. Salinas worked between 5:00am and 7:00am on Pier 3 on a concrete pour

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 9 & 10 exceedance is due to public traffic. **(Non work related).**

Non-Compliance:

None

Legend

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NOISE MONITORING - WEEKLY REPORT
Monday, August 15, 2022 to Sunday, August 21, 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, August 19, 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	55.9	54.1	53.8	54.8	55.4	55.7	51.3	54.0	55.5	55.2	58.5
Site 2 - 2015 E. Roanoke St	78	61.1	57.5	58.2	56.5	53.6	52.2	56.6	58.9	56.2	58.6	60.7
Site 3A - Canterbury Shores	62	50.5	44.1	45.1	51.7	52.0	52.0	52.3	52.4	52.9	52.8	54.5
Site 4A - 2110 E. Hamlin St	66	58.9	54.6	53.9	50.9	49.6	50.2	48.0	52.5	54.3	55.5	58.5
Site 5 - 2565 22nd Av E.	65	59.7	57.2	57.3	54.3	53.1	50.4	53.7	56.4	56.5	57.6	60.1
Site 6 - 2160 E. Hamlin St	63	55.2	52.3	51.2	50.5	53.0	53.4	50.0	51.1	53.2	55.4	57.5
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	51.7	52.4	48.2	49.0	49.0	46.9	51.9	52.1	53.1	55.5
Site 8 - Portable Between Sites 4 and 6	63	56.8	53.2	52.3	48.8	50.6	49.7	49.8	51.6	52.2	56.1	56.4
Site 9 - Portable Between Sites 1 and 7	66	62.1	58.7	62.6	56.2	56.4	56.4	54.6	57.9	60.6	60.1	62.6
Site 10 - Portable Between Sites 1 and 7	66	63.6	62.5	62.0	60.3	61.4	62.6	59.4	61.2	63.3	63.1	64.8

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 11:00pm and 6:00am pulling wires on the WB SR 520 Closure, 5 workers on site. Graham worked between 11:00pm and 9:00am setting girders on WB SR 520. Graham worked between 11:00pm and 9:00am excavating and grading on Pier 3. PSC worked between 11:00pm and 1:50am moving traffic barrier on WB SR 520. Snell worked between 3:00am and 9:00am setting up a crane on the Portage Bay Bridge.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances.

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, August 15, 2022 to Sunday, August 21, 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, August 20, 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	55.1	53.5	53.4	50	52.1	53.3	49.4	50.3	51.8	53.1	56.0
Site 2 - 2015 E. Roanoke St	78	56.8	56.3	54.8	51.6	53.1	51.9	51.5	54.3	57.1	57.2	58.0
Site 3A - Canterbury Shores	62	44.2	46.1	44.9	51.9	52.3	52.4	52.4	52.6	52.5	54.7	54.9
Site 4A - 2110 E. Hamlin St	66	55.2	54.0	51.2	47.8	49.0	48.0	46.1	47.9	62.5	54.2	56.6
Site 5 - 2565 22nd Av E.	65	56.6	55.9	53.7	50.8	52.5	50.3	49.7	52.6	55.2	56.9	57.7
Site 6 - 2160 E. Hamlin St	63	52.7	50.3	49.9	46.0	49.6	49.2	47.2	47.7	50.7	52.5	55.4
Site 7 - 2209 E. Lake Wa Blvd	66	51.4	50.0	48.2	46.0	48.0	47.0	45.2	49.6	51.0	53.3	54.5
Site 8 - Portable Between Sites 4 and 6	63	54.4	51.7	49.3	45.3	49.6	48.8	47.6	48.5	51.9	53.0	56.3
Site 9 - Portable Between Sites 1 and 7	66	58.0	57.4	54.9	52.4	52.4	51.7	50.0	55.9	57.7	58.5	59.4
Site 10 - Portable Between Sites 1 and 7	66	61.7	59.9	59.4	56.7	56.8	56.8	54.8	56.8	57.6	60.3	62.4

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 11:00pm and 4:45am pulling wires on the WB SR 520 Closure, 5 workers on site. Graham worked between 10:00pm and 9:00am excavating and grading on Pier 3.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances.

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

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Monday, August 15, 2022 to Sunday, August 21, 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, August 21, 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	50.4	53.0	51.1	57.4	56.1	50.2	48.9	55.0	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.5	54.6	53.9	52.5	57.8	53.5	54.9	59.1	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	44.7	42.8	44.8	38.3	38.0	41.7	42.7	46.9	52.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	50.9	51.0	49.5	47.8	46.9	47.4	52.1	55.9	59.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.6	53.5	53.0	50.9	55.5	51.8	53.5	57.3	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	48.7	49.0	48.6	48.6	49.2	50.5	49.5	48.2	52.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	49.7	49.6	47.7	48.7	47.6	51.5	48.8	54.6	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	48.7	48.1	47.8	50.0	51.2	49.0	48.3	52.5	54.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	56.5	58.3	54.0	53.5	53.0	60.8	56.7	62.0	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.0	59.5	57.8	58.3	57.6	56.2	57.7	63.4	65.8	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 11:00pm and 1:01am checking lighting on the SR 520, 6 workers on site. Graham worked between 10:00pm and 2:00am clearing lanes and sweeping the street on SR 520. PSC worked between 10:00pm and 2:45am on establishing traffic barriers on WB SR 520. SPM worked between 11:00pm and 4:50am on striping the SR 520. American Bridge worked between 5:00am and 7:00am on a concrete pour on the trestle.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

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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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, August 15, 2022 to Sunday, August 21, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution