

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 31, 2022** to **Sunday, November 6, 2022**

PUBLISHED November 9, 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: **1179**

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	13

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	620
Total Project related non-compliance	118
Total noise issue comments to the project	126
Total non-project related exceedances	3961

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, October 31, 2022 to Sunday, November 6, 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, October 31, 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	57.7	53.8	51.9	50.3	49.1	48.8	52.0	56.0	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	59.0	57.5	55.2	54.0	53.8	51.7	55.8	59.5	N/A	N/A
Site 3A - Canterbury Shores	62	49.0	48.0	44.5	47.5	47.0	41.9	42.7	49.7	53.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.2	55.5	52.3	51.3	50.8	49.7	54.7	57.5	59.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	56.0	53.4	52.1	52.5	49.5	53.5	57.2	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.5	52.9	51.3	52.4	50.2	49.3	48.5	51.2	53.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	52.0	49.9	49.4	50.6	46.2	50.7	54.5	58.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.9	54.3	51.9	51.6	50.5	47.3	50.1	52.5	54.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	58.3	56.4	56.5	57.1	53.3	58.5	61.2	65.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67	65.5	64.5	60.7	58.1	58	54.7	55.5	61.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:30am working on lighting on Pier 2 EB, 5 workers on site. Graham worked between 10:00pm and 3:55am working on rebar installation on Pier 2 East. American Bridge worked between 6:00am and 7:00am working on a concrete pour on trestle.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 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, October 31, 2022 to Sunday, November 6, 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, November 1, 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	56.0	55.1	54.7	54.2	52.7	48.2	52.1	56.2	58.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	56.6	57.1	61.1	55.3	52.3	56.8	62.5	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	48.3	45.9	51.8	54.0	50.0	46.0	48.0	48.3	50.2	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.8	55.6	54.3	59.7	52.5	51.1	56.7	61.0	61.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.0	55.6	59.7	62.3	55.9	51.4	56.5	62.0	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.8	53.0	56.5	53.1	51.4	48.9	51.8	54.7	57.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	50.7	51.5	56.1	50.7	47.5	51.9	57.5	58.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.7	54.3	49.8	54.0	50.1	47.4	52.4	55.7	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.4	57.5	59.2	66.5	57.4	55.7	60.5	66.2	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.2	59.6	59.4	59.3	58.8	57.6	59.1	65.6	67.6	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 removing transverse bracing on Pier 2 EB, 5 workers on site. Graham worked between 10:00pm and 3:40am working on rebar installation on Pier 2 West. Graham worked between 10:00pm and 1:10am working on drainage installation on laydown yard.

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:

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, October 31, 2022 to Sunday, November 6, 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, November 2, 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	58.3	56.1	51.4	49.7	48.4	48.4	51.7	55	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	58.4	55.1	51.9	52	53.4	55.1	59	61.9	N/A	N/A
Site 3A - Canterbury Shores	62	50.1	48.5	45.1	42.7	42.9	43.9	43.5	47.3	50.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	56.5	53.5	50.9	50.3	53.1	54.8	58.9	60.5	60.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	56.8	53.5	50.1	50.4	53.7	53.3	57.1	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58	57	52.9	50	48.8	50.4	51.7	55.5	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	53	49.3	46.5	48.2	48.3	50.4	55.4	58.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.9	56.9	53.2	49.3	48.7	49.9	51.6	56.1	57.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	58.9	55.7	53.9	55.8	56.4	59	63.4	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.5	61.6	57.1	56.2	57.5	55.3	59.9	65	67.8	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 removing transverse bracing on Pier 2 EB, 5 workers on site. Graham worked between 10:00pm and 3:45am working on rebar installation on Pier 2 West. Graham worked between 10:00pm and 12:20am working on drainage installation on laydown yard.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 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, October 31, 2022 to Sunday, November 6, 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, November 3, 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	57.2	54.5	53.2	52.5	51.6	51.7	49.9	55.5	57.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	57.7	55.2	53.8	53.9	53.0	56.3	59.5	61.8	N/A	N/A
Site 3A - Canterbury Shores	62	47.9	45.1	44.4	44.3	42.3	41.4	43.6	47.2	50.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.7	57.4	54.9	53.2	52.0	53.2	55.4	60.0	62.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	56.6	54.6	54.4	53.2	51.8	54.9	58.0	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.2	54.1	54.1	51.0	50.4	51.0	52.1	55.6	58.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.2	53.6	51.0	48.7	50.2	49.9	54.7	56.2	58.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.3	54.8	53.4	50.0	49.5	51.0	52.4	56.5	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.8	61.1	57.9	56.6	57.9	57.8	62.1	64.1	66.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.8	61.8	57.5	56.7	58.0	59.3	57.8	64.2	66.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:20am working on removing transverse bracing on Pier 2 EB, 4 workers on site. Graham worked between 10:00pm and 3:20am working on rebar installation on Pier 2 West.

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:

None

Legend

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

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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

Friday, November 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	60.3	59.4	53.9	54.5	49.4	50.6	49.9	49.3	51.4	54.1	57.8
Site 2 - 2015 E. Roanoke St	78	68.7	63.6	59.8	58.1	54.3	53.7	52.8	55.4	57.1	59.0	61.9
Site 3A - Canterbury Shores	62	58.3	56.5	49.0	47.4	45.3	43.1	38.6	42.0	44.2	46.7	51.0
Site 4A - 2110 E. Hamlin St	66	61.7	59.4	57.7	56.6	53.0	52.0	52.3	55.7	57.6	58.9	60.3
Site 5 - 2565 22nd Av E.	65	61.5	68.8	62.1	58.5	56.4	52.8	52.2	51.3	54.0	55.4	57.6
Site 6 - 2160 E. Hamlin St	63	58.7	57.4	54.0	57.6	54.2	52.6	53.9	53.9	55.9	57.0	57.1
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	53.2	53.2	49.9	49.5	48.1	50.2	52.0	53.7	56.3	59.3
Site 8 - Portable Between Sites 4 and 6	63	60.5	58.5	56.8	56.6	52.5	51.7	51.7	53.6	55.3	56.5	58.2
Site 9 - Portable Between Sites 1 and 7	66	63.2	60.8	58.5	55.5	56.5	54.5	57.2	58.9	60.2	63.3	66.3
Site 10 - Portable Between Sites 1 and 7	66	65.5	65.3	61.2	58.3	56.7	58.2	54.3	57.6	60.0	63.3	66.9

*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:

Sites 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.

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Red = Noise Level Exceedance, project related

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Monday, October 31, 2022 to Sunday, November 6, 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, November 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	55.7	52.9	51.7	52.4	52.4	54.3	53.6	56.3	56.6	58.4	60.4
Site 2 - 2015 E. Roanoke St	78	60	58.4	57	56.5	56.8	58	58	61.6	61.7	63.6	64.9
Site 3A - Canterbury Shores	62	47.7	46.6	46.3	48.0	48.6	51.9	52.8	56.8	56.0	57.7	59.5
Site 4A - 2110 E. Hamlin St	66	59.5	58.0	56.0	56.4	54.8	54.7	54.0	56.9	59.0	61.9	63.8
Site 5 - 2565 22nd Av E.	65	58.7	57.1	55.6	56.0	58.2	59.4	59.1	62.7	62.3	64.9	65.8
Site 6 - 2160 E. Hamlin St	63	57.3	56.2	56.3	55.9	55.3	55.0	54.6	56.5	56.7	56.4	59.3
Site 7 - 2209 E. Lake Wa Blvd	66	54.9	52.8	52.0	51.8	53.5	57.5	57.0	56.8	57.4	57.8	60.2
Site 8 - Portable Between Sites 4 and 6	63	57.3	56.3	54.7	53.7	53.5	51.8	51.5	54.4	54.4	56.7	58.3
Site 9 - Portable Between Sites 1 and 7	66	61.5	59.2	58.2	56.6	58.1	58.1	56.1	59.1	61.8	65.2	66.7
Site 10 - Portable Between Sites 1 and 7	66	64.4	61.5	60.3	58.3	58.3	58.2	60.4	56.6	58.8	60.7	63.4

*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:

Sites 5 & 9 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

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

Sunday, November 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	56.1	58.6	41.8	30.2	28.0	29.1	26.4	53.8	52.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.2	60.9	59.1	57.6	59.1	54.5	52.9	55.8	59.0	N/A	N/A
Site 3A - Canterbury Shores	62	53.6	51.1	49.0	46.1	45.3	45.7	44.3	44.2	45.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.5	62.1	56.7	54.5	51.7	52.1	51.2	54.9	59.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.0	59.3	58.6	56.7	58.7	57.0	54.5	54.7	57.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	52.5	52.2	49.3	50.0	48.9	51.9	54.1	57.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.3	54.3	53.2	51.9	49.7	50.6	48.4	51.7	55.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.6	55.7	54.8	50.6	48.3	48.9	47.1	51.4	55	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.9	63.0	61.0	59.9	57.0	55.4	54.6	59.3	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.0	61.9	59.7	57.3	52.8	54.3	53.0	56.6	64.1	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 Exceedences

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).

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, October 31, 2022 to Sunday, November 6, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution