

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, May 30, 2022** to **Sunday, June 5, 2022**

PUBLISHED June 8th, 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: **1025**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	3
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	16

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	512
Total Project related non-compliance	114
Total noise issue comments to the project	118
Total non-project related exceedances	3785

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, May 30, 2022 to Sunday, June 5, 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, May 30, 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	55.5	53.2	51.5	47.8	47.0	46.5	53.1	59.4	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.7	58.8	56.4	53.4	53.0	53.0	56.4	60.1	63.0	N/A	N/A
Site 3A - Canterbury Shores	62	52.0	49.3	47.4	43.4	42.2	43.2	48.5	51.3	55.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	62.2	59.7	57.6	56.8	56.7	62.8	66.6	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	57.5	54.8	52.0	51.4	51.7	54.7	58.2	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.0	51.2	48.5	48.8	49.0	50.2	53.9	57.4	54.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	52.1	49.1	47.6	47.6	47.3	51.2	56.3	58.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.3	53.5	50.5	49.6	50.1	49.4	52.4	56.7	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.0	58.0	55.3	53.6	53.2	52.5	56.8	63.4	64.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	58.8	56.5	53.3	50.3	49.5	58.3	69.9	66.2	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:

Sites 4, & 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, May 30, 2022 to Sunday, June 5, 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, May 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	55.5	54.6	53.3	49.2	50.5	50.4	57.5	61.0	63.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.2	58.2	56.0	53.8	54.1	56.0	56.5	61.0	62.8	N/A	N/A
Site 3A - Canterbury Shores	62	50.3	51.3	47.3	43.0	43.7	43.6	50.5	52.1	56.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.7	62.5	59.8	56.9	56.8	59.9	62.6	67.8	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	56.9	54.7	52.2	52.5	53.6	54.9	59.4	61.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.2	53.7	54.4	50.8	51.0	49.0	55.8	56.7	54.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	54.4	52.0	49.2	50.4	50.9	53.0	57.1	58.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.2	54.2	54.3	50.0	50.0	49.3	53.6	55.5	55.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	62.0	55.4	52.9	56.4	58.3	58.9	63.8	64.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.5	64.7	62.4	61.3	59.8	54.9	57.5	57.3	63.0	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:12am pulling wires under the Montlake lid. Graham worked between 10:00pm and 4:55am working on forms on pier 2. Concrete pour on trestle between 4:00am to 7:00am.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 4, & 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, May 30, 2022 to Sunday, June 5, 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, June 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	53.4	50.4	50.2	49.5	49.4	55.8	58.4	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60	58.8	57.2	55.9	55.7	56.4	56	60.3	62.7	N/A	N/A
Site 3A - Canterbury Shores	62	50.5	48.4	46.7	45.5	42.7	44.8	61.7	57.5	59.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.8	62.4	60.4	57	56.9	59.9	62.5	66.5	69	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	57.3	55.8	54.8	54.5	55	54.3	58.5	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.4	48.7	45.8	50.3	46	49.1	53.8	55.2	53.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.6	56.8	55.1	53.6	54	52	50.1	55.2	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.9	50.6	48.1	49.8	49	48.8	49.9	55.4	56.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.5	60.1	57.3	55.5	56.8	58.3	57.2	61.9	63.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	61.2	56.4	56.3	55.6	57.2	58.2	65.3	65.9	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 under the Montlake lid. Graham worked between 10:00pm and 4:37am working on forms on pier 2.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 4 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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= 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, May 30, 2022 to Sunday, June 5, 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, June 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	57.8	53.9	51.7	51.9	51.1	51.7	56.5	57.6	61.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	58.8	55.2	54.1	53.6	55.6	57.4	59.5	65.1	N/A	N/A
Site 3A - Canterbury Shores	62	53.0	48.2	50.0	49.1	47.0	45.8	45.8	49.5	56.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.2	57.7	53.4	52.2	51.8	54.1	56.0	57.7	64.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	51.7	49.2	48.9	51.1	50.9	54.5	56.8	57.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.5	56.6	51.4	51.7	53.3	54.0	55.7	55.8	60.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.1	54.2	50.4	49.3	50.2	50.8	51.8	57.3	60.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	66.7	56.5	55.6	55.7	57.9	62.6	63.5	69.0	68.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.8	64.4	63.2	58.1	57.8	56.8	59.8	63.0	65.0	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:16am pulling wires under the Montlake lid. Graham worked between 10:00pm and 5:00am removing forms on pier 2. American Bridge worked between 10:00pm and 4:00am pouring concrete on the bridge, and between 4:30am and 7:00am pouring concrete on the trestle.

Public Comments:

Nearby resident called at 10:10 p.m. to complain about noise on the bridge where design builder was setting up to pour concrete. They said it sounded like metal pounding on metal.

Exceedances:

Site(s) 9 exceedances are due to public traffic driving by the noise monitors (**not work related**).

Non-Compliance:

None

Site 4 went down at 9:59 pm on 06/02/2022 and remains down as of 06/06/2022, this site is down because there is no longer 3G in the area and it is currently under going the conversion from 3G to 4G

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

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Monday, May 30, 2022 to Sunday, June 5, 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, June 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	~	~	~	~	~	~	~	~	~	~	~
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	~	~
Site 3A - Canterbury Shores	62	50.3	49.1	47.0	46.7	43.7	41.3	42.8	47.7	49.8	51.3	53.4
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	~	~
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	~	~
Site 6 - 2160 E. Hamlin St	63	55.7	53.0	52.3	51.5	50.0	48.1	52.6	56.7	54.0	53.1	54.5
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	~	~
Site 8 - Portable Between Sites 4 and 6	63	59.8	57.3	56.2	54.2	53.5	51.2	49.9	50.6	55.6	56.4	55.6
Site 9 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~
Site 10 - Portable Between Sites 1 and 7	66	66.0	63.9	62.3	59.3	57.2	53.4	54.0	56.7	60.0	61.6	63.5

*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:

Site(s) 10 exceedance is due to public traffic driving by the noise monitors (**not work related**).

Non-Compliance:

None

Site 4 went down at 9:59 pm on 06/02/2022 and remains down as of 06/06/2022, this site is down because there is no longer 3G in the area and it is currently under going the conversion from 3G to 4G.

Sites 1, 2, 5, 7, & 9, went down at 12:00 pm on 06/03/2022 and remain down as of 06/06/2022, the reason these sites are down is unknown, but could relate to the reason site 4 is down.

Legend

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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
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Monday, May 30, 2022 to Sunday, June 5, 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, June 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	~	~	~	~	~	~	~	~	~	~	~
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	~	~
Site 3A - Canterbury Shores	62	54.0	52.8	49.7	53.0	53.5	53.1	46.2	45.6	51.0	49.1	57.5
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	~	~
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	~	~
Site 6 - 2160 E. Hamlin St	63	56.4	55.7	53.1	53.2	53.4	54.4	50.7	54.7	54.5	53.2	59.1
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	~	~
Site 8 - Portable Between Sites 4 and 6	63	57.8	57.2	55.3	54.2	52.1	54.2	50.4	54.3	54.6	56.8	59.5
Site 9 - Portable Between Sites 1 and 7	66	~	~	~	~	~	~	~	~	~	~	~
Site 10 - Portable Between Sites 1 and 7	66	66.8	64.8	61.9	60.9	60.3	59.9	56.6	58.9	61.1	62.5	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:

Site(s) 10 exceedances are due to public traffic driving by the noise monitors (not work related).

Non-Compliance:

None

Site 4 went down at 9:59 pm on 06/02/2022 and remains down as of 06/06/2022, this site is down because there is no longer 3G in the area and it is currently under going the conversion from 3G to 4G.

Sites 1, 2, 5, 7, & 9, went down at 12:00 pm on 06/03/2022 and remain down as of 06/06/2022, the reason these sites are down is unknown, but could relate to the reason site 4 is down.

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, May 30, 2022 to Sunday, June 5, 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, June 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	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 3A - Canterbury Shores	62	53.5	51.5	49.2	46.4	45.2	43.6	42.4	46.6	51.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	54.7	50.0	49.9	46.7	48.5	52.9	56.6	56.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.9	55.8	52.0	52.2	48.1	48.6	53.4	56.5	56.7	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	63.5	59.3	57.4	54.0	51.5	55.4	57.6	64.8	67.6	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:

Site(s) 10 exceedance is due to public traffic driving by the noise monitors **(not work related)**.

Non-Compliance:

None

Site 4 went down at 9:59 pm on 06/02/2022 and remains down as of 06/06/2022, this site is down because there is no longer 3G in the area and it is currently under going the conversion from 3G to 4G.

Sites 1, 2, 5, 7, & 9, went down at 12:00 pm on 06/03/2022 and remain down as of 06/06/2022, the reason these sites are down is unknown, but could relate to the reason site 4 is down.

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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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, May 30, 2022 to Sunday, June 5, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
10:10 p.m. 06/02/2022	From: Nearby resident To: Project Hotline	Nearby resident called at 10:10 p.m. to complain about noise on the bridge where design builder was setting up to pour concrete. They said it sounded like metal pounding on metal.	Bob told them he would check into the noise for them and find out how long it would be continuing. Bob called Gary Stensland, and reported the noise complaint. Gary called AB and learned that the crew had to straighten a rebar cage before the pour began. This was the source of the banging and they were done with that work. Bob called the resident back with this information. They said that the noise had stopped but that if it started again they would call again. Bob didn't receive any further calls. Complaint related to work taking place before MPPCNV hours.