

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, June 20, 2022** to **Sunday, June 26, 2022**

PUBLISHED June 29th, 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: 1046

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
Project related non-compliance this week	1
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	1

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	527
Total Project related non-compliance	115
Total noise issue comments to the project	121
Total non-project related exceedances	3802

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 20, 2022 to Sunday, June 26, 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, June 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	53.8	52.1	48.3	49.2	45.8	47.1	51.6	56.5	58.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.4	59.1	56.5	53.2	52.5	53.9	56.8	60.0	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	51.7	50.5	49.3	54.4	54.6	54.1	54.5	54.7	51.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	59.1	55.0	51.7	50.5	52.2	55.9	58.6	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.3	51.7	47.1	44.5	42.8	44.2	53.5	56.6	54.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.8	53.1	49.7	45.1	44.5	46.4	50.4	54.7	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	54.1	50.6	48.4	46.7	48.3	52.6	56.2	55.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	59.8	58.0	51.7	51.0	55.1	57.5	60.2	61.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	57.7	55.9	53.9	51.3	54.1	50	50.3	54.2	57.1	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 4:30am on installing drainage on pier 1 west and worked between 10:00pm and 4:40 am on Pier 2 backfilling. Elcon worked between 10:00pm and 3:22am pulling wires and installing a control panel under the lid, 6 workers on site.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

None.

Site 4 was removed from the site

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 20, 2022 to Sunday, June 26, 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, June 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	54.2	51.3	51.2	45.8	45.9	46.8	53.1	57.9	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	58.3	58.6	52.5	52.5	52.5	57.9	59.3	62.0	N/A	N/A
Site 3A - Canterbury Shores	62	52.1	49.6	47.4	42.1	41.1	40.5	44.1	54.6	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	57.0	57.4	51.0	50.8	51.0	56.7	57.7	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.9	56.6	49.9	42.9	43.0	43.9	58.3	52.5	52.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	50.9	54.5	44.9	44.5	45.6	56.6	54.5	56.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.8	50.9	52.7	47.2	46.8	46.8	49.8	52.8	54.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.2	57.5	66.5	52.0	51.0	53.4	58.6	61.0	62.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	54.0	53.6	50.7	49.9	50.3	54.2	61.9	62.9	64.8	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 5:10am on installing drainage on pier 1 west and worked between 10:00pm and 4:40am on Pier 2 backfilling. Elcon worked between 10:00pm and 3:23am pulling wires and installing a control panel under the lid, 6 workers on site. American Bridge pours concrete between 4:30am and 7:00am.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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

Non-Compliance:

at 5:54am Nelson was observed having pure tonal backup alarm on Lake Washington Blvd. The driver had to back down the currently close Lake Washington Blvd to EB SR 520 on ramp, to access the site. The driver was informed that the equipment could not be used on site but had no way of disabling the alarm or entering the site without backing up. Graham has been informed of this by PBS and will be addressing the alarm with Nelson during a morning meeting on 6/22/2022.

Site 4 was removed from the site

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 20, 2022 to Sunday, June 26, 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 22, 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	55.6	53.7	50	50	48.9	46.2	47.8	53	57	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	58.1	54.6	52.2	51.8	55.3	55.1	59.5	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	52.8	50.1	48.9	54.3	54.3	54.5	54.6	52.9	52.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	56.8	53	50.2	50.1	52.8	53.1	58	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.1	51.5	47.7	46.6	45	46.8	52.2	52.7	54.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	52.1	48.7	46	45.3	46.5	49.6	54.5	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.4	54.1	49.6	47.4	46.8	47.3	50.4	53	54	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	61.3	58.8	57.5	53	49.6	51.7	53	55.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.4	56.6	53.2	53.2	48.7	51	54.2	58.2	62.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 4:40am on installing drainage on pier 1 west and worked between 10:00pm and 3:30am on Pier 2 backfilling. Elcon worked between 10:00pm and 3:30am pulling wires and installing a control panel under the lid, 6 workers on site.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

Non-Compliance:

None

Site 4 was removed from the site

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 20, 2022 to Sunday, June 26, 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 23, 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	55.9	51.9	49.4	49.2	50.3	54.5	58.3	62.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.1	60.4	56.1	53.7	54.3	53.5	58.5	60.5	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	51.9	53.8	46.8	45.1	45.0	44.8	47.8	52.3	54.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	59.8	57.9	53.8	49.4	49.2	50.6	55.0	59.2	59.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.0	58.9	54.7	52.5	52.9	52.6	59.7	59.1	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.6	54.9	50.7	49.4	47.5	50.5	55.3	55.3	58.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	54.0	50.6	47.2	47.1	48.0	53.3	57.3	59.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.2	56.7	52.1	49.6	49.7	51.0	53.3	55.7	56.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.9	58.8	55.8	51.9	52.6	52.9	57.2	62.7	63.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.6	58.9	54.9	51.9	51.7	53.0	57.4	61.1	64.5	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 5:10am on installing drainage on pier 1 west and worked between 10:00pm and 4:20am on Pier 2 backfilling. Elcon worked between 10:00pm and 3:30am pulling wires and installing a control panel under the lid, 6 workers on site. American Bridge worked between 4:30am and 7:00am on 2 concrete pours.

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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Monday, June 20, 2022 to Sunday, June 26, 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 24, 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	57.6	57.9	54.9	52.3	52.2	49.7	50.1	51.7	53.6	57.9	60.8
Site 2 - 2015 E. Roanoke St	78	61.7	60.5	59.7	56.9	56.7	59.3	55.1	57.0	59.0	59.8	62.6
Site 3A - Canterbury Shores	62	53.5	52.7	52.2	54.9	54.7	54.4	54.4	52.0	52.3	53.9	58.4
Site 4 - 2800 Montlake Blvd E	66	57.6	56.4	58.6	52.8	51.5	55.3	53.2	54.3	56.1	56.7	61.7
Site 5 - 2565 22nd Av E.	65	60.0	59.0	57.3	55.3	54.9	55.2	53.7	56.0	58.0	58.5	61.0
Site 6 - 2160 E. Hamlin St	63	55.2	57.5	54.6	51.7	54.2	52.5	54.3	55.5	54.1	54.6	58.2
Site 7 - 2209 E. Lake Wa Blvd	66	56.0	56.1	53.7	51.2	51.0	50.1	50.1	51.8	52.9	55.6	57.6
Site 8 - Portable Between Sites 4 and 6	63	58.9	59.5	58.8	53.3	53.6	52.1	52.5	54.1	53.1	53.3	58.9
Site 9 - Portable Between Sites 1 and 7	66	60.6	59.6	58.3	55.6	55.0	55.7	53.9	57.1	58.6	63.4	63.1
Site 10 - Portable Between Sites 1 and 7	66	60.5	61.0	60.4	58.3	55.8	55.2	52.2	52.6	56.0	56.1	59.7

*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:

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
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NOISE MONITORING - WEEKLY REPORT
Monday, June 20, 2022 to Sunday, June 26, 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 25, 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	56.7	56.3	54.7	53.7	52.7	51.6	50.2	50.6	52.7	52.3	54.0
Site 2 - 2015 E. Roanoke St	78	62.3	61.2	58.7	57.5	56.4	54.6	54.5	55.7	57.4	57.9	59.5
Site 3A - Canterbury Shores	62	54.9	54.0	51.6	54.7	54.7	54.4	54.4	51.7	49.3	49.7	52.9
Site 4 - 2800 Montlake Blvd E	66	56.7	55.6	54.7	54.6	53.7	52.1	51.3	52.9	55.6	55.0	56.2
Site 5 - 2565 22nd Av E.	65	60.6	59.5	57.1	55.9	55.0	53.0	52.9	54.2	55.8	56.4	58.1
Site 6 - 2160 E. Hamlin St	63	52.0	51.5	55.7	57.0	56.4	53.5	54.7	56.0	52.8	50.1	51.8
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	54.7	53.9	53.1	52.7	50.3	49.9	50.4	52.0	51.5	53.7
Site 8 - Portable Between Sites 4 and 6	63	54.2	54.5	55.3	56.0	55.3	53.5	53.1	52.9	54.4	52.1	52.0
Site 9 - Portable Between Sites 1 and 7	66	60.7	60.1	57.6	57.1	58.6	57.1	54.8	55.5	57.5	56.1	58.2
Site 10 - Portable Between Sites 1 and 7	66	59.3	59.2	58.1	56.8	55.7	54.3	52.9	53.0	55.8	55.0	56.8

*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:

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

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Monday, June 20, 2022 to Sunday, June 26, 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 26, 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	51.2	48.2	46.6	46.9	50.8	55.3	57.5	63.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.1	59.3	56.5	55.5	51.8	53.2	56.1	60.5	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	53.5	51.8	48.0	45.3	42.1	43.0	45.4	50.4	52.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	56.8	55.6	52.5	51.2	48.1	49.4	53.3	57.5	58.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	57.7	55.2	54.3	54.3	50.4	51.7	54.5	59.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.3	55.1	53.3	50.0	49.3	49.5	53.4	55.8	52.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	53.5	50.9	49.4	46.3	47.1	50.4	54.7	54.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.2	55.3	53.0	50.8	49.6	49.5	51.6	55.7	54.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.6	60.3	55.1	56.0	50.5	52.8	55.3	59.6	61.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.1	58.5	53.3	50.3	49.0	49.4	52.8	57.5	60.8	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:

None

Legend

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

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, June 20, 2022 to Sunday, June 26, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution