

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, November 8, 2021 to Sunday, November 14, 2021

PUBLISHED NOVEMBER 17, 2021

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: 822

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	35

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	399
Total Project related non-compliance	109
Total noise issue comments to the project	108
Total non-project related exceedances	3063

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, November 8, 2021 to Sunday, November 14, 2021 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, November 8, 2021												
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	51.5	52.4	55.2	56.4	53.6	53.8	54.8	62.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.2	56.0	55.5	58.2	59.3	57.7	55.5	59.3	64.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	58.5	56.1	54.2	53.0	53.7	50.4	47.7	52.1	61.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	57.6	54.8	56.6	56.7	57.1	56.0	63.0	66.1	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	54.2	56.6	59.5	60.0	57.0	53.7	57.4	63.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	60.5	52.1	54.8	53.0	54.2	52.0	52.5	56.6	66.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	49.2	50.4	53.2	53.5	50.9	50.3	54.5	59.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	53.2	52.4	52.2	53.3	52.0	52.7	56.9	64.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.1	54.6	55.2	59.7	58.9	58.1	58.0	63.6	67.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.7	57.7	56.6	61.9	63.3	60.7	59.7	62.8	67.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 7:00am to install underlid lighting, drill shaft on the old WABS, deliveries/unloading and set up for day work. Drill Shaft on Old WABS is covered under TNV #6863153-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 6, 8, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, November 8, 2021 to Sunday, November 14, 2021 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 9, 2021												
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	53.7	53.0	54.9	53.1	48.0	52.0	56.0	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	65.8	56.2	52.9	50.5	50.2	51.2	54.6	59.8	62.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.2	49.7	49.3	47.0	42.5	39.6	44.6	50.3	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.5	59.8	54.6	54.0	52.3	59.0	59.2	66.0	68.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	63.5	54.8	51.3	49.0	49.0	49.4	52.9	57.8	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	55.2	48.4	48.2	46.9	46.5	51.6	54.4	56.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	66.5	52.9	48.8	47.0	46.0	44.8	50.8	55.1	57.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.2	54.0	49.7	49.0	48.8	47.9	53.1	56.2	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	71.6	59.7	56.9	54.8	53.2	51.8	58.1	63.9	65.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.8	61.5	59.8	61.8	59.6	55.5	58.5	63.8	68.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 7:00am to install underlid lighting, drill shaft concrete pour on the Old WABS. Drill Shaft concrete pour on Old WABS is covered under TNV #6863153-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 7, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, November 8, 2021 to Sunday, November 14, 2021 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 10, 2021												
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	55.4	54.3	52.9	48.4	47.6	53.3	49.8	55.3	57.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	58.0	57.2	53.4	50.9	53.9	54.3	59.3	62.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	58.4	58.0	56.5	50.1	51.5	43.6	45.7	50.5	52.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.0	63.3	61.2	57.9	54.6	57.3	60.3	65.4	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	~	57.6	58.2	52.3	49.1	52.0	52.1	57.2	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.1	52.6	50.9	47.4	46.5	48.6	47.6	51.6	54.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	53.4	52.4	46.1	45.9	50.7	49.3	54.8	57.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.3	54.9	51.9	49.3	48.7	50.4	50.9	54.1	56.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.8	61.2	59.9	54.8	53.4	59.5	58.0	63.2	66.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.7	63.2	60.6	56.9	55.3	62.3	58.3	64.5	67.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 7:00am to install underlid lighting, drill shaft on the Old WABS. Drill Shaft on Old WABS is covered under TNV #6863153-NV

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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).

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, November 8, 2021 to Sunday, November 14, 2021 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 11, 2021												
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	52.6	54.6	54.7	52.5	52.0	52.8	53.9	57.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	58.2	60.1	60.7	55.3	53.8	55.6	60.2	63.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.9	52.3	56.3	56.8	49.2	47.6	47.6	51.5	53.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.0	63.7	61.5	60.8	58.5	57.8	61.6	67.1	68.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.7	57.9	62.5	64.2	54.3	53.8	54.5	58.4	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.5	52.9	52.4	52.5	51.6	52.3	54.5	57.6	56.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.1	52.9	52.3	52.1	49.7	49.5	51.2	54.9	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.3	53.8	52.8	51.6	51.1	51.6	53.2	56.3	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.2	62.1	61.0	58.0	59.5	57.7	59.6	65.0	67.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.5	61.9	60.8	60.1	60.4	59.0	60.1	63.3	66.8	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 4:00am to install underlid lighting, concrete pour drill shaft on the Old WABS. Concrete pour on drill shaft on Old WABS is covered under TNV #6863153-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None

Legend

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, November 8, 2021 to Sunday, November 14, 2021 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, November 12, 2021												
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	57.0	58.4	55.3	50.1	50.0	49.0	47.8	52.7	51.9	56.0	58.7
Site 2 - 2015 E. Roanoke St	78	62.5	61.2	58.2	56.6	55.4	58.7	54.4	57.1	58.9	60.7	62.4
Site 3A - 3810 E. McGilvra St	62	53.4	52.1	49.4	46.8	44.2	43.5	42.5	46.6	46.6	50.7	54.4
Site 4 - 2800 Montlake Blvd E	66	64.9	64.0	61.0	59.5	58.4	66.3	57.4	61.1	64.0	65.4	66.2
Site 5 - 2565 22nd Av E.	65	61.2	59.9	56.7	55.1	54.1	56.3	53.4	55.7	57.3	59.4	60.9
Site 6 - 2160 E. Hamlin St	63	58.4	56.8	56.4	53.1	49.5	51.0	48.2	51.4	49.5	54.6	55.1
Site 7 - 2209 E. Lake Wa Blvd	66	60.6	56.1	54.0	50.9	48.7	50.5	46.4	51.1	51.2	55.1	57.3
Site 8 - Portable Between Sites 4 and 6	63	59.8	59.8	56.5	54.2	52.2	52.7	50.9	53.3	53.1	57.1	57.1
Site 9 - Portable Between Sites 1 and 7	66	68.5	62.9	59.0	56.7	55.3	61.2	53.2	58.3	59.1	61.9	63.7
Site 10 - Portable Between Sites 1 and 7	66	63.6	64.2	61.3	57.9	57.0	54.0	54.9	59.6	59.8	64.0	67.3

*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) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None

Legend

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, November 8, 2021 to Sunday, November 14, 2021 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 13, 2021												
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	58.1	55.4	53.3	52.8	51.5	55.4	53.9	55.7	55.1	55.7	57.9
Site 2 - 2015 E. Roanoke St	78	62.7	60.1	57.9	55.5	54.7	59.9	54.6	55.5	57.9	59.2	60.7
Site 3A - 3810 E. McGilvra St	62	54.7	51.6	50.2	49.9	50.1	55.0	56.1	56.6	52.9	51.8	53.8
Site 4 - 2800 Montlake Blvd E	66	67.8	65.8	63.5	61.5	60.4	64.6	59.6	62.9	65.7	66.1	67.1
Site 5 - 2565 22nd Av E.	65	61.8	59.0	56.7	54.2	53.5	63.5	54.3	55.0	56.9	58.0	59.4
Site 6 - 2160 E. Hamlin St	63	58.8	56.8	57.6	57.7	57.4	62.2	61.8	60.9	59.8	59.8	60.8
Site 7 - 2209 E. Lake Wa Blvd	66	56.8	54.7	55.1	51.4	50.8	53.8	51.1	51.7	53.1	54.9	56.3
Site 8 - Portable Between Sites 4 and 6	63	59.5	57.3	57.0	55.9	55.0	59.1	57.2	57.8	57.9	58.4	59.3
Site 9 - Portable Between Sites 1 and 7	66	66.0	63.4	63.6	59.1	58.4	61.7	56.7	59.3	60.9	63.3	64.8
Site 10 - Portable Between Sites 1 and 7	66	66.4	63.5	60.3	59.4	55.0	59.3	56.1	60.1	60.1	62.7	66.1

*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) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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
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Monday, November 8, 2021 to Sunday, November 14, 2021 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, November 14, 2021												
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	53.6	51.5	51.8	53.1	54.1	54.6	56.1	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	56.6	54.3	52.9	51.9	51.7	54.4	58.5	61.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.9	49.5	50.9	50.9	53.3	53.1	52.9	52.4	55.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	61.3	57.9	56.8	57.0	56.2	61.6	66.1	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.2	55.8	53.6	52.3	52.3	51.2	53.3	57.0	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.7	58.4	58.6	60.0	58.0	58.5	58.0	59.2	62	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	52.3	49.9	50.1	50.0	48.5	49.8	54.2	58.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.0	58.9	54.8	53.6	53.0	53.3	54.6	57.5	60.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.2	59.3	57.0	56.4	55.1	54.7	57.2	62.4	67.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	59.0	56.2	55.4	57.7	57.9	58.5	63.7	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:

7:30 P.M. Novemver 14th - Resident called the project hotline to say that she had been hearing generator noise all day. See **Public Notice Log For Additional Details.**

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

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, November 8, 2021 to Sunday, November 14, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
2021-11-14 7:30PM <u>Follow-up:</u> 2021-11-15 8:45AM	To: Project Hotline From: Resident Near Noise Monitor 6	Resident called the project hotline about 7:30 p.m. Nov. 14 to say that she had been hearing generator noise all day. She thought it was new noise; she said she only noticed it today. She wanted to know what it was for and how long it would be going on. Holly from the project hotline said she would find out and call the resident back. <u>Follow-up:</u> Resident called again around 8:45 a.m. today to say that the generator she complained about on Nov. 14 was still running this morning.	After talking with Gary Stensland, the ECM, Holly called the resident back to let her know that the generator was for powering operations for the night's electrical work activity. The resident said she was thankful to know it would be a short-term thing and said thank you for the information. <u>Follow-up:</u> The project hotline was able to confirm that it should be turned off, but crews hadn't had time to get to it this morning by the time the resident called. Cheryl from the project hotline called her back to provide that answer.