

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, July 12, 2021 to Sunday, July 18, 2021

PUBLISHED JULY 21, 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: 703

There were 18 MPPCNV noise exceedance but are not counted under the non-compliance due to the work being performed under TNV #6847756-NV.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	2
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	26

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	308
Total Project related non-compliance	65
Total noise issue comments to the project	61
Total non-project related exceedances	2788

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, July 12, 2021 to Sunday, July 18, 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, July 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	56.4	57.4	54.0	47.1	45.2	46.9	49.5	54.4	58.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	57.0	56.7	53.7	52.0	54.7	61.7	60.2	62.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.6	48.9	46.2	43.8	41.4	42.4	45.5	49.9	51.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	62.4	63.4	58.4	57.1	57.1	~	67.5	69.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	55.3	54.8	52.1	50.3	53.2	58.7	58.0	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.0	50.3	49.7	45.5	42.1	41.8	46.4	53.1	60.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.1	50.9	50.3	47.6	43.8	45.8	50.4	55.9	60.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.1	52.1	50.9	49.0	47.1	46.8	49.5	53.9	56.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.1	57.7	54.6	52.0	48.9	57.7	55.6	61.8	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.4	60.0	56.0	54.0	51.5	56.5	~	63.3	66.1	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 work on installing underlid lighting, excavate for lagging and set up for day work to pour concrete deck at the Montlake lid and assemble rebar cages.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 and 9 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, July 12, 2021 to Sunday, July 18, 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, July 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	59.0	59.8	58.2	48.3	49.4	46.4	52.4	55.7	60.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	58.8	56.2	53.2	53.7	52.9	56.6	61.5	63.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	53.6	52.1	51.5	52.3	52.6	52.5	52.4	51.9	53.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.1	69.3	65.4	58.8	58.1	58.5	63.4	67.1	69.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.9	57.4	54.7	51.3	51.9	50.8	54.5	58.8	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.9	51.7	48.9	43.4	47.1	41.5	46.4	51.2	53.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	56.9	57.3	46.1	46.9	46.2	49.7	53.1	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.1	53.9	50.3	48.2	50.2	47.2	49.4	53.1	55.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.9	67.0	66.1	52.6	53.8	52.1	60.6	61.9	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.8	69.9	67.6	55.5	56.8	53.9	59.4	63.5	67.8	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 7:00am to work on installing underlid lighting, excavate for lagging, material delivery and set up for day work on the Montlake lid and assemble rebar cages.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 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, July 12, 2021 to Sunday, July 18, 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, July 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	55.0	54.9	53.2	50.3	49.7	50.0	51.1	57.4	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	59.1	56.0	51.6	51.2	58.6	55.2	60.0	61.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.5	47.9	43.9	38.0	39.5	38.5	42.7	50.8	51.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	64.4	61.7	58.3	56.3	73.8	63.2	67.5	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	57.8	54.1	50.1	49.4	55.5	53.3	57.6	59.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.3	51.8	47.6	45.3	45.7	45.8	47.6	52.1	54.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.0	54.1	51.0	49.2	48.7	51.8	50.3	53.5	55.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	57.4	50.9	47.1	47.5	52.2	49.3	53.4	55.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	60.9	57.5	54.6	54.6	57.6	56.3	63.2	67.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.7	62.0	59.2	56.8	55.9	56.9	58.1	65.4	66.5	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 work on installing underlid lighting, strip forms under the Montlake lid and set up for day work on the Montlake lid and assemble rebar cages.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 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, July 12, 2021 to Sunday, July 18, 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, July 15, 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	55.0	53.7	54.2	50.7	51.5	50.8	50.5	55.4	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.9	59.0	56.9	53.6	54.8	52.1	55.1	59.2	60.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.3	47.8	49.0	52.4	52.6	52.4	51.8	50.4	51.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	65.6	61.5	58.3	58.3	59.7	63.1	67.4	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	57.2	55.5	52.2	53.0	49.9	52.9	57.3	59.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.6	50.8	51.9	47.7	50.6	46.4	46.2	52.5	54.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.1	50.8	52.4	45.0	49.7	43.9	50.7	52.9	55.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	52.9	53.5	47.1	52.9	47.7	49.6	54.8	54.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	58.2	61.6	52.4	54.3	53.6	56.0	60.7	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.5	59.6	59.9	55.6	55.1	57.9	56.1	62.4	66.4	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 work on installing underlid lighting, strip forms under the Montlake lid, install signage, restripe westbound SR-520 off-ramp, install barrier and set up for day work on the Montlake lid and assemble rebar cages.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 and 10 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.

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Monday, July 12, 2021 to Sunday, July 18, 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, July 16, 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	64.1	54.0	66.0	51.3	54.2	52.2	51.2	54.0	53.6	53.7	55.9
Site 2 - 2015 E. Roanoke St	78	61.4	60.2	58.4	56.5	55.4	53.2	54.7	57.2	59.8	61.3	61.2
Site 3A - 3810 E. McGilvra St	62	51.4	50.4	48.6	44.4	44.6	41.4	43.4	46.1	47.3	49.4	52.6
Site 4 - 2800 Montlake Blvd E	66	65.8	64.5	63.3	60.1	59.6	58.3	59.5	63.7	67.8	69.6	67.1
Site 5 - 2565 22nd Av E.	65	60.0	58.6	56.4	54.5	53.7	51.1	53.0	55.6	58.2	59.4	60.0
Site 6 - 2160 E. Hamlin St	63	53.9	52.1	50.6	47.8	50.8	51.7	48.9	53.6	51.0	59.9	55.4
Site 7 - 2209 E. Lake Wa Blvd	66	63.2	52.6	52.0	61.9	59.3	56.9	57.2	58.2	55.9	53.2	53.6
Site 8 - Portable Between Sites 4 and 6	63	57.7	57.0	51.0	50.0	52.3	51.6	50.9	54.3	53.6	55.6	57.2
Site 9 - Portable Between Sites 1 and 7	66	67.6	59.0	63.1	58.7	76.8	72.3	70.0	68.0	67.1	62.1	64.5
Site 10 - Portable Between Sites 1 and 7	66	76.5	57.2	78.3	56.2	61.3	58.0	56.0	59.4	58.6	56.5	58.3

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to work on installing drainage down the middle of Lake Washington Blvd and set up for day work. Work covered under TNV #6847756NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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

Site 9 and 10 exceedances are project related. Work covered under TNV #6847756-NV.

Non-Compliance:

- 1:26am an excavator was unloaded near noise monitor #7, with a pure tonal backup alarm. Non-compliance towards the TNV.

Legend

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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, July 12, 2021 to Sunday, July 18, 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, July 17, 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	56.9	55.8	53.2	52.2	50.9	46.6	45.1	54.8	54.4	53.1	54.8
Site 2 - 2015 E. Roanoke St	78	60.8	59.6	58.9	55.9	55.2	53.1	52.2	55.2	57.5	58.7	59.2
Site 3A - 3810 E. McGilvra St	62	53.2	51.1	50.8	53.9	53.8	53.2	51.9	48.0	48.2	50.6	52.0
Site 4 - 2800 Montlake Blvd E	66	65.2	63.9	62.5	59.5	58.8	58.4	57.4	61.3	65.0	64.5	65.6
Site 5 - 2565 22nd Av E.	65	59.1	58.0	57.1	54.1	54.4	51.2	50.3	53.2	55.6	57.6	57.9
Site 6 - 2160 E. Hamlin St	63	50.9	50.2	50.5	49.9	49.8	47.2	46.0	49.0	50.7	52.6	53.0
Site 7 - 2209 E. Lake Wa Blvd	66	59.6	57.7	57.5	54.3	53.4	54.5	55.6	57.2	56.4	55.7	53.8
Site 8 - Portable Between Sites 4 and 6	63	60.3	64.1	56.4	51.7	50.9	49.1	48.6	51.4	51.8	53.1	53.7
Site 9 - Portable Between Sites 1 and 7	66	70.9	70.0	64.3	67.0	58.5	61.5	64.8	75.6	77.7	71.6	59.9
Site 10 - Portable Between Sites 1 and 7	66	60.9	61.2	58.4	57.2	56.4	49.9	48.8	63.3	62.6	57.4	59.7

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to work on installing drainage down the middle of Lake Washington Blvd and set up for day work. Weekend work is covered under TNV #6847756-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 8 exceedances are not project related. Exceedances are caused by public event near the noise monitors.

Site 9 exceedances are project related. Work covered under TNV #6847756-NV.

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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Monday, July 12, 2021 to Sunday, July 18, 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, July 18, 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	60.6	59.4	53.5	49.3	53.7	47.5	52.5	59.2	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	58.2	73.4	58.6	55.2	52.5	57.9	61.4	61.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.9	48.0	49.7	53.5	52.8	52.4	52.6	52.9	58.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.2	62.7	60.6	57.8	56.8	57.3	62.1	67.3	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	56.3	71.7	55.4	53.3	50.6	56.3	59.3	59.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.8	48.6	50.0	50.0	49.0	47.1	45.4	49.7	53.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	65.0	64.2	64.0	61.4	61.0	45.7	49.3	55.2	56.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.9	52.2	51.7	50.1	50.2	48.2	51.5	56.5	52.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.2	71.0	~	61.3	67.4	52.5	55.0	63.5	63.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	69.7	70.8	54.3	54.6	63.6	54.0	57.3	66.4	65.5	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 3:00am to pave and complete installing drainage down the middle of Lake Washington Blvd and set up for day work. Weekend work is covered under TNV #6847756-NV.

Public Comments:

1:00 a.m July 19th - A text message to the hotline was received from a resident that lives on E Roanoke Street to report "reported hearing a brief noise at 1 a.m. coming from the Montlake Market area. She said it sounded like machinery being moved....". **The text message required a follow-up. See Public Notice Log for additional details.**

Exceedances:

Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.
Site 9 exceedances for 11pm - 12am and 2am - 3am are project related. Work covered under TNV #6847756-NV.
Site 10 exceedances for 10pm - 11pm and 11pm - 12am are project related. Worked covered under #6847756-NV.
Site 5 exceedance for 12am - 1am are project related due to equipment delivery. Exceedance counted towards the MPPCNV.

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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NOISE MONITORING - WEEKLY REPORT

Monday, July 12, 2021 to Sunday, July 18, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
07/19/2021 - 1:00 a.m	To: Project Hotline From: Resident between site #2 & #5	During the MPPCNV Monitoring: Resident sent a text message to the hotline to report a noise complaint. Bob Derry called the resident who "reported hearing a brief noise at 1 a.m. coming from the Montlake Market area. She said it sounded like machinery being moved. The noise didn't last very long. She would like to know what made the noise and if this noise level is allowed at one in the morning."	Bob Derry (Public Information Manager) replied to the text message at 7 a.m saying: "I'm sorry to hear that. Please tell me who this is and what you were experiencing." Bob didn't receive a response, so he called the phone number from which received the text from at 10:38 a.m. Bob texted resident at "4:15 p.m. this afternoon and reported he'd learned we were delivering machinery to the Montlake Market site last night between 12 and 1, and that is what she probably heard. The noise exceeded our normal limits but we had a variance last night that allowed us to do so."