

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, September 23, 2019** to **Sunday, September 29, 2019**

PUBLISHED October 1, 2019

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: 45

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	0
Project related exceedances this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	24

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	12
Total Project related exceedances	8
Total noise issue comments to the project	5
Total non-project related exceedances	204

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, September 23, 2019 to Sunday, September 29, 2019 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, September 23, 2019												
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	67dB	62.2	58.0	56.4	54.0	51.7	52.8	56.1	61.5	65.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	61.0	59.8	56.3	54.5	54.0	53.9	57.9	61.7	66.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	51.1	49.4	48.3	47.2	46.5	47.0	48.0	50.6	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	66.9	69.8	61.0	58.6	58.7	57.8	63.6	67.6	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	59.3	60.0	53.9	52.3	51.5	51.5	55.5	58.8	63.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	58.5	55.1	51.7	49.3	46.4	49.2	53.2	56.2	59.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	58.0	55.4	52.2	49.8	48.3	48.7	52.7	57.4	61.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:

No night time construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Not project related.

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

Blue = Noise level exceedance, not project related

~ = No Data Available

= Not reporting, no work

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, September 23, 2019 to Sunday, September 29, 2019 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, September 24, 2019												
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	67dB	63.4	60.0	57.2	56.4	54.6	54.6	57.5	62.6	66.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	62.9	60.6	57.4	57.1	56.1	55.8	58.7	63.6	66.2	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	54.7	51.9	49.2	49.1	48.5	48.0	49.1	54.3	68.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	65.6	63.7	60.4	60.0	57.7	59.0	63.7	68.8	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	60.2	58.2	54.9	54.6	53.6	53.0	55.6	60.7	63.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	54.4	51.5	50.2	50.2	46.5	47.7	49.5	55.1	58.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	58.7	56.1	53.3	53.0	50.5	51.4	53.8	58.7	62.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:

No night time construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Not project related.

Legend

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**SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, September 23, 2019 to Sunday, September 29, 2019 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, September 25, 2019												
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	67dB	62.6	59.6	56.9	53.7	53.6	53.0	56.6	61.4	65.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	62.0	59.2	56.4	54.8	54.4	56.7	59.7	64.0	66.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	51.9	49.7	48.6	48.1	47.6	49.8	49.8	51.5	55.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	66.5	63.4	60.6	59.2	57.4	59.6	64.1	67.3	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	59.9	57.5	54.2	52.9	53.2	54.9	57.2	61.0	63.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	57.4	54.6	52.4	50.9	52.1	55.9	55.7	54.8	58.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	58.2	55.3	52.3	49.8	49.2	49.7	53.3	57.2	60.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
	*1-Hour Leq											

Notes recorded by the on-site Independent Noise Monitor

Work:

No night time construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Not project related.

Legend

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, September 23, 2019 to Sunday, September 29, 2019 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, September 26, 2019												
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	67dB	63.7	61.1	57.6	54.9	53.8	52.0	56.0	61.0	65.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	63.1	61.5	59.0	56.4	55.6	54.4	57.4	61.3	64.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	54.6	52.3	49.4	47.8	47.4	48.5	48.1	50.5	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	66.2	64.1	61.9	60.2	58.4	59.0	63.5	67.9	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	60.8	56.5	53.2	50.6	49.2	48.5	52.2	57.2	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	55.5	52.4	52.4	50.5	47.8	44.0	49.4	55.7	57.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	58.4	56.5	53.2	50.6	49.2	48.5	52.2	57.2	60.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:

No night time construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Not project related.

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**SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday September 23, 2019 to Sunday September 29, 2019 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, September 27, 2019												
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	67dB	65.30	65.80	65.50	62.80	62.00	59.60	58.10	61.10	61.00	63.30	65.90
Site 2 - 2015 E. Roanoke St	78dB	64.10	63.50	64.20	62.60	60.90	59.00	59.30	60.80	62.30	64.10	65.90
Site 3 - 3810 E. McGilvra St	62dB	55.10	54.80	55.30	54.60	53.40	51.10	50.10	52.00	52.20	54.10	57.30
Site 4 - 2800 Montlake Blvd E	66dB	68.70	66.10	63.90	63.80	61.90	58.80	61.90	65.00	67.60	69.40	67.00
Site 5 - 2565 22nd Av E.	65dB	61.80	61.20	62.10	62.10	57.40	60.40	58.90	58.80	60.10	61.20	63.50
Site 6 - 2160 E. Hamlin St	63dB	58.30	56.10	55.40	54.10	51.40	49.30	51.10	63.60	62.40	53.20	58.50
Site 7 - 2209 E. Lake Wa Blvd	66dB	60.70	60.10	59.50	57.70	56.30	54.20	54.10	56.40	57.00	59.00	61.60
Site 8 - Portable Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	#	#
Site 9 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#
Site 10 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:

No night time construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Not project related.

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NOISE MONITORING - WEEKLY REPORT
Monday September 23, 2019 to Sunday September 29, 2019 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 September 28, 2019												
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	67dB	64.3	62.9	61.7	59.9	58.9	55.6	55.9	57.8	57.9	61.0	64.3
Site 2 - 2015 E. Roanoke St	78dB	62.7	61.7	60.7	60.2	58.6	56.3	59.8	62.7	61.4	62.3	65.0
Site 3 - 3810 E. McGilvra St	62dB	53.3	51.7	51.0	50.8	50.7	49.4	51.3	56.1	53.8	54.2	56.4
Site 4 - 2800 Montlake Blvd E	66dB	69.6	65.0	63.9	61.2	64.4	60.0	62.7	65.9	67.8	67.3	68.8
Site 5 - 2565 22nd Av E.	65dB	60.7	59.9	59.2	58.4	57.3	56.4	61.5	63.4	60.3	60.2	62.7
Site 6 - 2160 E. Hamlin St	63dB	59.0	56.1	55.5	53.4	53.5	50.6	54.7	56.7	53.1	53.3	55.3
Site 7 - 2209 E. Lake Wa Blvd	66dB	59.9	58.3	57.1	55.3	54.6	52.1	54.1	56.5	55.6	57.9	60.3
Site 8 - Portable Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	#	#
Site 9 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#
Site 10 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:

No night time construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Not project related.

Legend

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
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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 September 29, 2019												
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	67dB	63.5	60.4	58.0	54.2	53.7	54.4	57.6	62.9	62.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	64.9	61.5	59.5	57.4	59.0	56.8	60.4	64.8	67.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	53.8	52.5	51.8	48.4	48.7	48.8	50.8	54.6	59.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	65.7	63.2	62.0	59.5	57.5	59.8	63.8	67.7	69.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	63.1	59.6	58.1	56.4	56.4	55.9	58.7	62.6	64.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	56.9	55.4	54.3	52.1	50.7	51.0	51.8	55.7	58.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	58.8	56.6	54.6	51.4	50.8	52.4	54.4	59.3	62.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:

No night time construction work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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