

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, August 19, 2019** to **Sunday, August 25, 2019**

PUBLISHED Sept. 05, 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

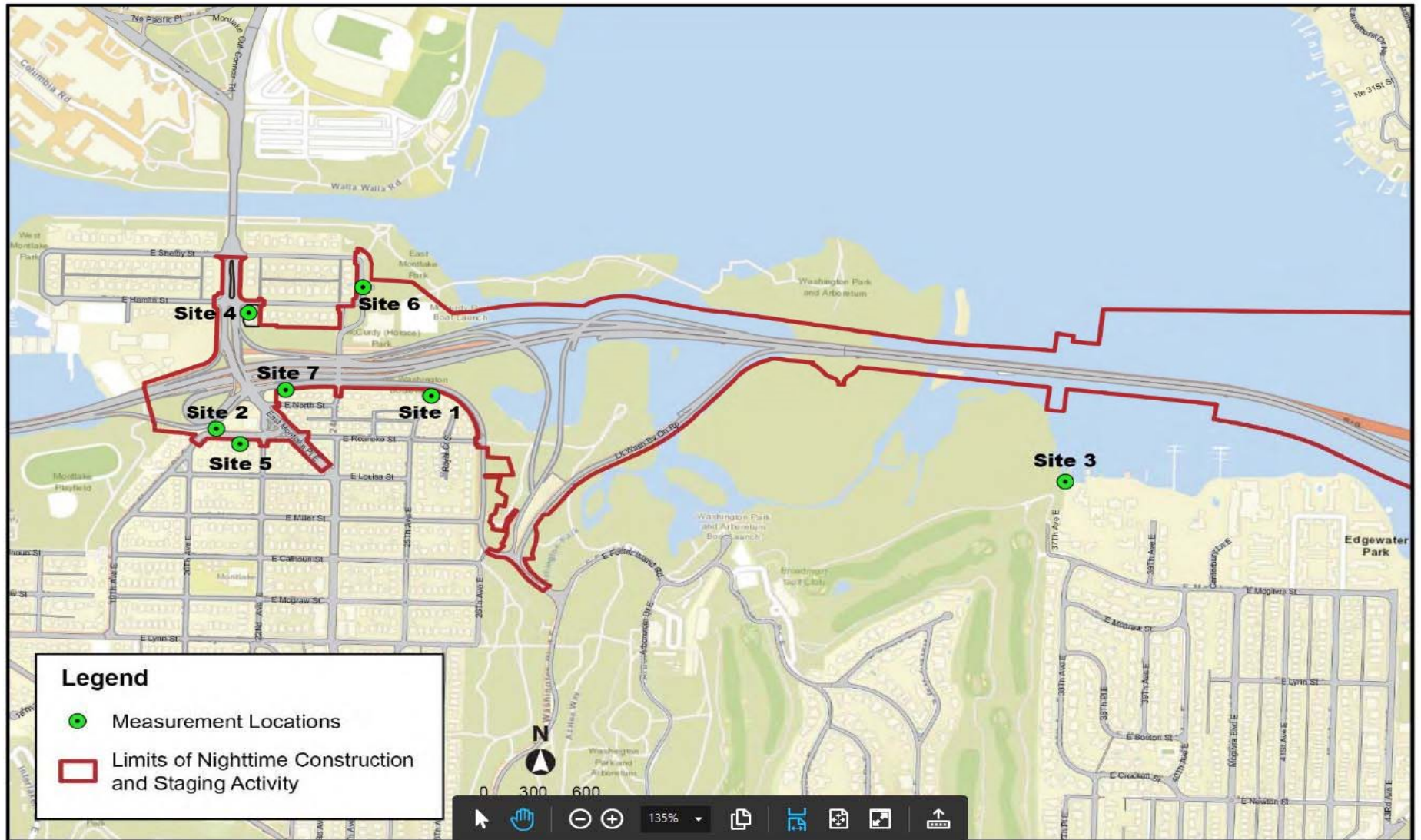
MPPCNV days to date: 10

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	3
Project-related exceedances this week	0
Nighttime noise issues comments to project	1
Non-project-related noise exceedances this week	14

PROJECT TOTALS TO DATE	
Total Nights Worked	5
Total Project Related exceedances	0
Total noise issues comments to project	1
Total non-project related exceedances	24

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, August 19, 2019 to Sunday, August 25, 2019 10 p.m. to 7 a.m. (weekdays)/ 9a.m. (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, August 19, 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	62.0	59.6	57.7	55.0	53.6	54.0	57.4	62.8	66.9	N/A	N/A	
Site 2 - 2015 E. Roanoke St	78dB	~	~	~	~	~	~	~	~	~	N/A	N/A	
Site 3 - 3810 E. McGilvra St	62dB	54.3	52.8	51.4	49.1	48.4	48.9	50.5	54.7	58.2	N/A	N/A	
Site 4 - 2800 Montlake Blvd E	66dB	~	63.8	61.1	59.1	~	~	~	~	~	N/A	N/A	
Site 5 - 2565 22nd Av E.	65dB	62.5	61.0	59.1	56.9	56.1	55.8	57.2	60.2	63.1	N/A	N/A	
Site 6 - 2160 E. Hamlin St	63dB	53.6	51.6	49.0	48.2	48.4	49.2	52.9	56.3	58.4	N/A	N/A	
Site 7 - 2209 E. Lake Wa Blvd	66dB	62.4	61.4	~	61.6	61.3	61.2	61.8	69.2	62.0	N/A	N/A	
Portable Site 1 - Between Sites 4 and 6	63dB	~	~	~	~	~	~	~	~	~	N/A	N/A	
Portable Site 2 - Between Sites 1 and 7	66dB	~	~	~	~	~	~	~	~	~	N/A	N/A	
Portable Site 3 - Between Sites 1 and 7	66dB	~	~	~	~	~	~	~	~	~	N/A	N/A	

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:
 No nighttime work performed this day

Public Comments:
 No Public comments received related to nighttime noise

Exceedances:
 No Exceedances

Legend

- N/A = Time Period not applicable to MPPCNV
- Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.
- Red = Noise Level Exceedance
- ~ = No Data Available
- # = No work in vicinity of portable site locations

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, August 19, 2019 to Sunday, August 25, 2019 10 p.m. to 7 a.m. (weekdays)/ 9a.m. (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, August 20, 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	62.9	62.7	58.3	53.9	53.0	52.9	55.7	61.4	65.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	62.8	61.1	58.4	55.6	54.7	55.9	58.2	61.8	64.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	51.5	51.3	49.2	47.7	47.6	47.6	48.7	52.1	55.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	61.8	59.3	57.2	55.4	54.6	54.9	56.9	60.1	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	59.5	57.3	53.8	49.3	47.9	46.7	49.9	55.9	57.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	59.5	58.5	55.5	50.4	49.6	49.9	53.0	58.1	61.9	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:
No nighttime work performed this day

Public Comments:
No Public comments received related to nighttime noise

Exceedances:
No exceedance

Legend

N/A = Time Period not applicable to MPPCNV

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

Red = Noise Level Exceedance

~ = No Data Available

= No work in vicinity of portable site locations

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, August 19, 2019 to Sunday, August 25, 2019 10 p.m. to 7 a.m. (weekdays)/ 9a.m. (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, August 21, 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	63.1	60.1	57.9	54.0	53.0	51.6	56.1	61.2	66.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	63.2	62.1	58.1	56.0	55.4	55.7	59.1	63.0	66.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	54.6	52.0	50.8	47.9	47.6	47.3	49.0	51.9	55.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	61.2	59.4	56.8	55.5	55.0	54.8	57.4	60.3	63.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	55.0	59.4	57.6	48.5	47.1	45.4	48.3	53.3	56.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	58.9	56.8	54.2	49.8	49.3	49.1	52.2	57.0	61.1	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:
No nighttime work performed this day

Public Comments:
Received email concerning night time noise, see log for details

Exceedances:
No exceedance

Legend

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- Red = Noise Level Exceedance
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- # = No work in vicinity of portable site locations

SR 520 Montlake Project
Major Public Project Construction Noise Variance
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Monday, August 19, 2019 to Sunday, August 25, 2019 10 p.m. to 7 a.m. (weekdays)/ 9a.m. (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, August 22, 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	64.0	61.7	58.9	55.6	54.6	54.1	56.0	61.5	66.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	64.2	64.0	62.8	57.8	56.3	55.8	59.2	63.1	~	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	55.8	54.7	51.8	49.3	48.7	49.0	49.9	53.8	~	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	62.2	62.4	59.7	56.7	55.7	55.9	~	60.9	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	57.8	57.1	54.7	51.1	46.8	48.8	51.2	55.3	~	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	60.1	59.4	56.0	52.2	49.6	51.0	53.0	58.2	~	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:
 No nighttime work performed this day

Public Comments:
 No Public comments received related to nighttime noise

Exceedances:
 No exceedances

Legend

- N/A = Time Period not applicable to MPPCNV
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- Red = Noise Level Exceedance
- ~ = No Data Available
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SR 520 Montlake Project
Major Public Project Construction Noise Variance
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Monday, August 19, 2019 to Sunday, August 25, 2019 10 p.m. to 7 a.m. (weekdays)/ 9a.m. (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, August 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	~	~	~	~	60.0	58.0	56.6	58.6	61.0	63.1	65.2
Site 2 - 2015 E. Roanoke St	78dB	~	67.7	~	~	69.5	62.8	57.1	59.5	62.0	63.2	65.3
Site 3 - 3810 E. McGilvra St	62dB	~	~	~	~	51.3	50	49.9	51.4	53.7	54.2	54.6
Site 4 - 2800 Montlake Blvd E	66dB	~	68.9	66.7	~	59.6	58.3	58.1	62.9	66.7	66.7	67.4
Site 5 - 2565 22nd Av E.	65dB	~	62.4	~	~	62.1	59.6	56.2	58.1	60.0	61.0	63.2
Site 6 - 2160 E. Hamlin St	63dB	53.1	~	~	~	53.4	52.1	56.3	54.9	55.7	54.5	57.1
Site 7 - 2209 E. Lake Wa Blvd	66dB	59.2	~	~	~	56.6	53.8	53.4	56.2	57.9	58.5	60.1
Portable Site 1 - Between Sites 4 and 6	63dB	48.6	45.1	~	~	41.2	40.6	~	46.6	~	~	~
Portable Site 2 - Between Sites 1 and 7	66dB	63.6	59.8	~	~	58.9	60.5	~	61.5	~	~	~
Portable Site 3 - Between Sites 1 and 7	66dB	~	~	~	~	~	~	~	~	~	~	~

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:
 Geotechnical Borings near the Montlake Market, performed under a Temporary Noise Variance (TNV 6738972-NV)
 Project Work (under MPPCNV) - Excavation for Block Wall north of SR520 at 24th off ramp (MPPCNV)

Public Comments:
 No Public comments received related to nighttime noise

Exceedances:
 11pm to 12am exceedances due to Geotechnical work near the Montlake Market (TNV 6738972-NV). This work was performed und and Temporary Noise Variance and does not violate the MPPCNV.
 12am to 1am exceedance due to a fire truck drove by, and public traffic on Montlake BLVD.
 6am to 9am exceedances are from public traffic on Montlake Blvd. Not Montlake Project related.

Notes:
 Portable site data from hand held meter readings

Legend

- N/A = Time Period not applicable to MPPCNV
- Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.
- Red = Noise Level Exceedance
- ~ = No Data Available
- # = No work in vicinity of portable site locations

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Major Public Project Construction Noise Variance
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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

Saturday, August 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	64.6	63.4	62.3	59.9	59.1	56.0	53.9	55.1	58.9	60.9	62.9
Site 2 - 2015 E. Roanoke St	78dB	64.9	63.5	~	60.6	61.0	57.0	54.9	56.3	60	60.6	62.4
Site 3 - 3810 E. McGilvra St	62dB	56.3	54.9	55.5	55.0	56.2	56.5	56.6	59.8	60.2	58.5	57.6
Site 4 - 2800 Montlake Blvd E	66dB	69.6	63.8	~	60.9	59.8	57.6	58.6	60.3	68.3	65.4	66.5
Site 5 - 2565 22nd Av E.	65dB	63.4	61.4	~	58.8	58.5	55.6	55.1	55.9	58	59.0	60.8
Site 6 - 2160 E. Hamlin St	63dB	56.1	56.3	~	54.5	54.5	56	55.3	55.3	56.9	55.9	57.7
Site 7 - 2209 E. Lake Wa Blvd	66dB	63.1	60.6	~	56.7	55.8	52.6	51.1	53.5	56.3	57.2	58.9
Portable Site 1 - Between Sites 4 and 6	63dB	48.6	45.1	~	~	41.2	40.6	~	46.6	~	~	~
Portable Site 2 - Between Sites 1 and 7	66dB	63.6	59.8	~	~	58.9	60.5	~	61.5	~	~	~
Portable Site 3 - Between Sites 1 and 7	66dB	~	~	~	~	~	~	~	~	~	~	~

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:
Geotechnical Borings near the Montlake Market, performed under a Temporary Noise Variance (TNV 6738972-NV)
Project Work (under MPPCNV) – Placement of blocks for Block Wall north of SR520 at 24th off ramp (MPPCNV)

Public Comments:
No Public comments received related to nighttime noise

Exceedances:
10pm to 11pm exceedances due to Geotechnical work near the Montlake Market (TNV 6738972-NV). This work was performed und and Temporary Noise Variance and does not violate the MPPCNV.
6am to 9am exceedances are from public traffic on Montlake Blvd. Not Montlake Project related.

Notes:
Portable site data from hand held meter readings

Legend

- N/A = Time Period not applicable to MPPCNV
- Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.
- Red = Noise Level Exceedance
- ~ = No Data Available
- # = No work in vicinity of portable site locations

SR 520 Montlake Project
Major Public Project Construction Noise Variance
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Monday, August 19, 2019 to Sunday, August 25, 2019 10 p.m. to 7 a.m. (weekdays)/ 9a.m. (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, August 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	62.3	59.5	59.9	55.2	53.2	54.6	57.5	61.8	66.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	68.2	66.3	61.6	73.3	62.9	67.0	61.1	63.1	66.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	54.1	51.7	~	48.8	48.3	48.2	49.9	53.5	57.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	65.0	63.7	~	65.7	62.9	62.0	62.5	67.3	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	65.5	63.3	59.6	70.5	69.1	64.1	59.5	60.9	63.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	55.1	50.1	50.1	47.3	48.2	48.1	49.1	54.1	56.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	62.3	59.9	~	55.2	53.2	54.6	57.5	61.8	66.4	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	~	~	~	~	~	~	~	~	~	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	~	~	~	~	~	~	~	~	~	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	~	~	~	~	~	~	~	~	~	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

Work:
 Geotechnical Borings near the Montlake Market, performed under a Temporary Noise Variance (TNV 6738972-NV)
 Project Work (under MPPCNV) – Completion of grading and reopening of the SR520 at 24th off ramp (MPPCNV)

Public Comments:
 No Public comments received related to nighttime noise

Exceedances:
 Site 5 exceedances due to Geotechnical near the Montlake Market. This work was performed under a Temporary Noise Variance and does not violate the MPPCNV
 Site 4 and 7 exceedances due to normal traffic noise on Montlake Blvd. Not Montlake Project related

Notes:
 Project work completed by 10:30pm, no readings were taken for portable sites

Legend

N/A = Time Period not applicable to MPPCNV

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

Red = Noise Level Exceedance

~ = No Data Available

= No work in vicinity of portable site locations

