

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, August 12, 2019** to **Sunday, August 18, 2019**

PUBLISHED Aug. 28, 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

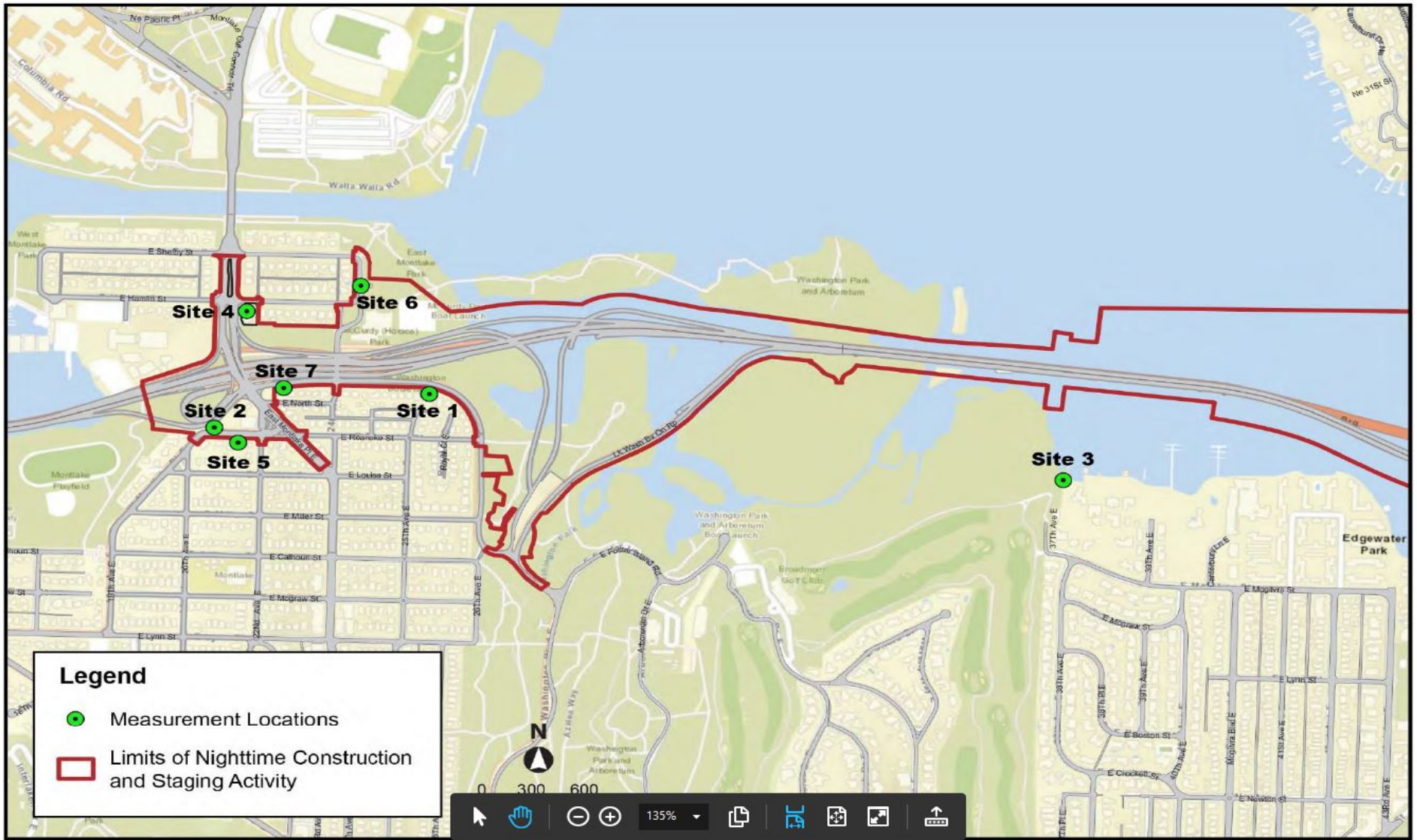
Variance days to date: 3

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	2
Project-related exceedances this week	0
Nighttime noise complaints via project hotline this week	0
Non-project-related noise exceedances this week	10

PROJECT TOTALS TO DATE	
Total Nights Worked	2
Total Project Related exceedances	0
Total noise issues via project hotline	0
Total non-project related exceedances	10

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 12, 2019 to Sunday, August 18, 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 12, 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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

First day of SR 520 MPPCNV is 8/16/2019

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

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Major Public Project Construction Noise Variance
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Monday, August 12, 2019 to Sunday, August 18, 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 13, 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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*1-Hour Leq

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Red = Noise Level Exceedance

~ = No Data Available

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Monday, August 12, 2019 to Sunday, August 18, 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 14, 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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*1-Hour Leq

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Monday, August 12, 2019 to Sunday, August 18, 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 15, 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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 1 - Between Sites 4 and 6	63dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 2 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portable Site 3 - Between Sites 1 and 7	66dB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor
First day of SR 520 MPPCNV is 8/16/2019

Legend

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NOISE MONITORING - WEEKLY REPORT
Monday, August 12, 2019 to Sunday, August 18, 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 16, 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	~	~	60.9	58.7	57.9	54.1	54.9	55.6	59.5	62.1	64.0
Site 2 - 2015 E. Roanoke St	78dB	64.9	62.4	60.9	57.3	55.6	55.4	56.6	58.3	61.4	62.8	64.9
Site 3 - 3810 E. McGilvra St	62dB	~	~	48.8	46.5	46.1	42.8	45.4	49.7	48.8	49.9	54.3
Site 4 - 2800 Montlake Blvd E	66dB	~	65.4	63.5	61.8	60.0	56.8	58.5	53.0	66.3	66.7	66.1
Site 5 - 2565 22nd Av E.	65dB	62.9	60.4	59.1	57.5	57.0	54.9	56.4	57.0	59.0	60.5	63.1
Site 6 - 2160 E. Hamlin St	63dB	~	55.1	53.9	50.7	49.9	45.9	50.5	49.3	51.6	53.1	56.7
Site 7 - 2209 E. Lake Wa Blvd	66dB	62.6	57.9	56.6	54.1	53.1	49.7	52.3	52.4	57.3	59.6	59.6
Portable Site 1 - Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	#	#
Portable Site 2 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#
Portable Site 3 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

First day of SR 520 MPPCNV is 8/16/2019

Work

No night work performed on this day

Public Comments:

No public comment related to Project noise

Exceedances:

No project work, exceedances not project related

Site 3 experiences a lot of traffic noise from Montlake Blvd

Legend

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Red = Noise Level Exceedance

~ = No Data Available

= Work not in vicinity of portable site locations

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, August 12, 2019 to Sunday, August 18, 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

Saturday, August 17, 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	63.3	63.1	62.8	62.5	60.2	56.7	56.4	55.6	57.6	60.3	62.9	
Site 2 - 2015 E. Roanoke St	78dB	~	~	~	~	~	~	~	~	~	~	~	
Site 3 - 3810 E. McGilvra St	62dB	56.6	57	54.5	52.3	51.5	50.1	49.1	48.8	50	51.8	54.2	
Site 4 - 2800 Montlake Blvd E	66dB	66.5	66.1	63.1	67.1	60.0	58.5	57.4	60.8	65.3	65.5	68.1	
Site 5 - 2565 22nd Av E.	65dB	63.1	62	60.2	59.5	58	56.2	56.4	56.7	57.9	59.3	61.1	
Site 6 - 2160 E. Hamlin St	63dB	56.5	55	54.6	53.9	50.9	47.5	50.2	48.6	50.2	52.6	55.8	
Site 7 - 2209 E. Lake Wa Blvd	66dB	59	58.3	58	58.9	55.1	52	52.2	51.9	53.9	56.5	58.8	
Portable Site 1 - Between Sites 4 and 6	63dB	#	#	#	#	#	#	#	#	#	#	#	
Portable Site 2 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#	
Portable Site 3 - Between Sites 1 and 7	66dB	#	#	#	#	#	#	#	#	#	#	#	

*1-Hour Leq

Notes recorded by the on-site Independent Noise Monitor

First day of SR 520 MPPCNV is 8/16/2019

Work
Geotechnical Borings on the West Approach Bridge piers 11 and 13

Public Comments:
No public comment related to Project noise

Exceedances:
INM confirms readings in mid to upper 60's caused by public traffic, not project related
Confirmed by audio file noise is public traffic

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
- # = Work not in vicinity of portable site locations

SR 520 Montlake Project
Major Public Project Construction Noise Variance
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Monday, August 12, 2019 to Sunday, August 18, 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 18, 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	62.1	59.9	58.0	54.7	53.9	53.0	56.0	60.9	65.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	66.6	64.0	62.5	61.9	59.9	57.4	57.2	57.9	59.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	56.6	57.0	54.5	52.3	51.5	50.1	49.7	48.8	50.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	66.5	66.1	63.1	67.1	60.0	58.5	57.4	60.8	65.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	62.6	62.8	61.2	59.9	58.6	57.1	56.4	56.4	57.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	53.1	52.8	51.9	47.7	49.0	46.5	50.6	53.2	57.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	60.8	61.3	~	61	61	59.8	60.8	60.7	60.7	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

First day of SR 520 MPPCNV is 8/16/2019

Work

Geotechnical Borings on the West Approach Bridge piers 11 and 13

Public Comments:

No public comment related to Project noise this day

Exceedances:

INM confirms readings in mid to upper 60's caused by public traffic, not project related

Confirmed by audio file noise is public traffic

Legend

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= Work not in vicinity of portable site locations

SR 520 Montlake to Lake Washington I/C and Bridge Replacement Project

Major Public Project Construction Noise Variance

NOISE MONITORING - WEEKLY REPORT

Monday, August 12, 2019 to Sunday, August 18, 2019 10 p.m. to 7 a.m. (weekdays)/ 9a.m. (weekends)

Public Comment Log			
Date / Time	To/From	Issue	Resolution
		No public comment related to Project noise this week	