

SR 520 Bridge Replacement and HOV Program Montlake Project



SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, June 22, 2020 to Sunday, June 28, 2020

PUBLISHED JULY 1, 2020

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: 318

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	2
Nighttime noise issue comments to the project	2
Non-project-related noise exceedances this week	17

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	84
Total Project related non-compliance	19
Total noise issue comments to the project	29
Total non-project related exceedances	1408

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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



Major Public Project Construction Noise Variance NOISE MONITORING - WEEKLY REPORT

Monday, June 22, 2020

to

Sunday, June 28, 2020

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

				ľ	/londay, Jun	e 22, 2020						
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	52.1	50.9	48.2	48.9	49.1	52.8	57.8	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.6	57.9	56.5	54.5	53.3	54.8	58.4	62.0	62.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	50.0	46.1	46.0	45.8	45.8	45.9	52.8	49.6	49.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	61.9	59.3	58.3	56.2	58.6	63.7	67.9	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.0	56.0	54.6	52.8	51.7	53.0	56.1	59.9	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.3	46.6	48.4	46.4	48.0	47.5	51.6	54.8	52.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.9	50.5	49.7	47.4	48.0	47.6	50.7	54.9	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.1	51.7	51.3	50.1	50.6	50.9	53.3	55.0	53.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.9	56.8	56.5	54.7	55.4	53.5	55.6	61.7	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.2	58.0	55.9	52.9	53.7	54.3	55.6	62.6	66.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-builder worked between 10:00 p.m and 7:00 a.m to excavate at the North Pit.

Public Comments:

9:10 a.m. - June 22th - A call was received by the project hotline from a resident near site #7 to complain that Sunday night, between 10:30 and 11 p.m., they heard three spaced out, loud booms, and they didn't know what the source was. They wanted to know if it was from our project. Resident did need a follow up. No work on Sunday night June 21st. Not work related. See Public Notice Log for additional details.

6:46 a.m. - June 23rd - A call was received by the project hotline from a resident near site #6 to complain that they heard a backup beeper early this morning - about 2:15 AM. Resident didn't know exactly where it was coming from.

Resident did need a follow up. See Public Notice Log for additional details.

Exceedances:

Site #10 are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

Two vehicles with pure tonal backup alarms

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

Major Public Project Construction Noise Variance NOISE MONITORING - WEEKLY REPORT

Monday, June 22, 2020

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Sunday, June 28, 2020

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

				T	uesday, Jun	e 23, 2020						
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	54.9	52.6	48.6	47.7	46.9	48.3	50.7	55.7	58.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	57.5	55.7	54.4	57.0	53.4	55.8	60.7	64.3	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	50.7	50.6	49.0	45.9	45.8	46.3	52.9	48.5	48.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.8	61.6	60.2	57.5	61.9	57.9	62.4	67.0	73.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	55.6	53.8	52.4	54.3	51.5	53.7	58.6	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.5	48.6	44.2	44.9	44.7	47.4	49.5	53.4	52.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.2	50.5	47.4	46.6	48.9	46.9	48.9	53.7	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.9	50.8	48.7	48.8	49.6	50.2	56.0	56.2	56.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.1	57.6	53.8	52.8	53.0	52.5	54.0	60.7	65.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.4	58.9	54.4	53.5	51.6	52.5	54.7	60.9	65.0	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-builder worked between 10:00 p.m and 7:00 a.m to excavate at the North Pit.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site #4 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

Major Public Project Construction Noise Variance NOISE MONITORING - WEEKLY REPORT

Monday, June 22, 2020

to

Sunday, June 28, 2020

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

				W	ednesday, Ju	ine 24, 2020						
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	56.3	53.3	50.5	47.3	46.3	47.9	50.7	55.9	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.9	58.9	55.4	53.8	52.7	52.8	56.8	60.5	63.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	51.6	49.8	49.9	45.5	45.6	45.8	54.7	48.9	50.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	63.3	59.4	57.7	56.8	57.2	63.7	67.2	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	57.0	53.5	51.8	50.5	50.8	54.6	58.0	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	48.9	47.2	47.3	44.6	42.8	45.1	48.8	49.9	52.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	51.6	48.7	46.2	45.3	46.2	50.2	54.0	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.5	50.8	49.8	49.1	48.6	49.8	52.6	53.2	53.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.8	60.8	56.4	52.1	50.6	51.9	57.9	61.5	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.0	59.6	56.7	53.2	51.4	52.1	54.6	62.0	65.8	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-builder worked between 10:00 p.m and 7:00 a.m to excavate at the North Pit.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site #4 and site #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

Major Public Project Construction Noise Variance NOISE MONITORING - WEEKLY REPORT

Monday, June 22, 2020

to

Sunday, June 28, 2020

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

				Т	hursday, Jun	e 25, 2020						
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	55.5	56.1	53.3	49.0	48.4	50.1	51.7	56.4	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.9	61.2	56.9	53.4	53.2	54.7	57.6	61.8	63.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.6	50.4	51.8	47.8	45.7	45.6	53.9	49.4	49.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.2	63.4	61.5	57.5	57.7	58.6	62.8	67.9	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	59.6	55.3	51.4	50.9	52.3	55.3	59.5	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.9	51.6	50.0	48.5	45.3	43.6	47.2	50.3	51.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.8	54.7	53.7	49.1	48.4	47.6	49.8	53.7	55.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.6	54.1	51.8	49.4	48.9	51.2	55.2	53.0	53.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.0	60.8	64.8	53.6	54.2	57.0	55.5	63.0	63.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	60.3	59.3	53.8	53.7	54.9	56.5	62.6	65.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-builder worked between 10:00 p.m and 7:00 a.m to excavate at the North Pit and Demob pier 2 wall formwork to MOHAI.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site #4 exceedance not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None.

Legend

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Blue = Noise level exceedance, not project related

~ = No Data Available

Major Public Project Construction Noise Variance NOISE MONITORING - WEEKLY REPORT

Monday, June 22, 2020

to

Sunday, June 28, 2020

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, June	26, 2020						
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	58.3	54.8	52.4	50.8	49.1	47.0	50.5	52.9	55.5	56.5	58.6
Site 2 - 2015 E. Roanoke St	78	62.2	63.6	58.4	56.5	60.2	52.0	54.2	56.6	59.0	59.8	61.2
Site 3 - 3810 E. McGilvra St	62	52.3	52.0	49.8	46.3	46.0	46.0	50.8	48.8	49.2	49.9	49.2
Site 4 - 2800 Montlake Blvd E	66	66.0	67.6	66.4	59.4	65.8	56.5	58.7	62.8	65.7	65.0	65.5
Site 5 - 2565 22nd Av E.	65	60.5	61.3	56.1	54.6	54.2	50.0	52.6	54.6	56.7	57.6	59.4
Site 6 - 2160 E. Hamlin St	63	51.6	50.5	49.9	48.8	47.4	45.8	49.7	51.0	55.0	53.4	54.2
Site 7 - 2209 E. Lake Wa Blvd	66	55.7	54.3	51.3	49.5	48.1	46.5	48.5	51.3	53.2	56.2	58.3
Site 8 - Portable Between Sites 4 and 6	63	56.2	53.7	52.2	50.1	50.5	49.6	52.0	52.9	53.5	53.9	55.8
Site 9 - Portable Between Sites 1 and 7	66	62.8	59.3	57.7	55.7	53.7	51.3	55.6	57.3	60.3	61.9	64.2
Site 10 - Portable Between Sites 1 and 7	66	63.5	60.2	58.8	55.6	55.2	50.8	55.3	58.5	62.2	61.6	64.6

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-builder worked between 10:00 p.m and 9:00 a.m to excavate at the North Pit.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site #4 exceedance is 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

Major Public Project Construction Noise Variance NOISE MONITORING - WEEKLY REPORT

Monday, June 22, 2020

n

Sunday, June 28, 2020

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

				S	aturday, Jun	e 27, 2020						
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	57.8	56.8	56.1	52.8	48.6	47.2	47.7	49.7	52.3	54.1	56.7
Site 2 - 2015 E. Roanoke St	78	64.0	62.6	63.0	59.6	54.6	52.5	53.2	56.3	58.9	59.7	60.8
Site 3 - 3810 E. McGilvra St	62	51.6	56.1	55.7	54.9	49.5	46.7	51.3	47.0	47.2	47.0	48.9
Site 4 - 2800 Montlake Blvd E	66	70.8	66.5	65.9	62.8	57.7	57.4	58.6	60.8	65.7	64.5	65.1
Site 5 - 2565 22nd Av E.	65	62.0	63.0	64.9	60.0	54.0	50.3	51.0	54.3	56.9	57.6	59.0
Site 6 - 2160 E. Hamlin St	63	54.1	56.8	55.5	52.9	48.6	47.4	45.9	49.0	48.2	49.4	53.4
Site 7 - 2209 E. Lake Wa Blvd	66	64.8	56.5	55.8	52.4	48.5	47.5	47.3	50.9	51.4	53.5	55.4
Site 8 - Portable Between Sites 4 and 6	63	57.2	56.1	54.9	52.3	49.6	49.8	49.7	55.0	52.2	52.7	57.0
Site 9 - Portable Between Sites 1 and 7	66	74.2	62.8	61.5	58.6	54.9	52.8	54.4	58.3	58.8	61.0	63.4
Site 10 - Portable Between Sites 1 and 7	66	73.9	62.9	61.3	59.0	55.1	51.9	53.1	56.6	59.2	60.8	63.8

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-builder worked between 10:00 p.m and 9:00 a.m to excavate at the North Pit.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site #4 , site #9 and site #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

Major Public Project Construction Noise Variance

NOISE MONITORING - WEEKLY REPORT

to

Monday, June 22, 2020

Sunday, June 28, 2020

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

				9	Sunday, June	28, 2020						
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	56.1	55.4	54.0	49.3	45.8	46.7	49.5	55.6	58.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.0	61.9	57.0	54.1	52.1	53.2	57.2	60.6	62.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	46.5	46.4	46.3	46.7	45.3	45.7	48.8	47.2	49.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	63.3	61.2	57.7	56.1	58.1	64.1	67.1	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	60.4	55.4	53.3	49.7	51.0	55.5	58.3	60.2	60.2	N/A
Site 6 - 2160 E. Hamlin St	63	54.0	54.6	52.7	50.6	44.2	45.1	49.0	52.6	55.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.0	55.4	52.2	48.3	47.2	47.6	50.3	53.6	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.0	55.0	52.9	52.1	46.2	48.0	51.4	53.1	55.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.0	59.2	58.8	52.9	55.9	54.5	57.2	62.5	65.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.7	60.0	57.8	52.4	51.3	50.5	53.3	62.2	65.8	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:

6:40 a.m. - June 29th - A text message was received by the project hotline from a resident near site #6 to complain that at 6:30 a.m. she heard noises from trucks/beeping in the MOHAI area loud enough to wake her up. Resident did need a follow up. See Public Notice Log for additional details.

Exceedances:

Site #4 exceedance is 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

CNV

~ = No Data Available

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

Monday, June 22, 2020 to Sunday, June 28, 2020

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

Public Comment Log	To/From	Issue	Resolution
06/22/2019 - 9:10 am	To: Hotline From: Resident	A call was received by the project hotline from a resident near site #7. Montlake resident called the frontline at 9:10 a.m. Monday, June 22. The caller reported that Sunday night, between 10:30 and 11 p.m., they heard three spaced out, loud booms, and they didn't know what the source was. They wanted to know if it was from our project.	Ben said he would have someone from the project team look into this and return the call. Ben also gave them the hotline number in case this happened again. Bob asked Chris Stack about the noise and he provided the following information: "The sounds were not project related, in fact our guy on site heard them as well and indicated that they seemed to come from the Arboretum. He drove into the Arboretum parking area and observed a vehicle parked there with occupants. He called 911 and reported the disturbance but the police did not respond and the vehic left. Apparently the noises were loud enough to set off alarms in the neighborhood. "Bob Derry (Communication Staff) called the Montlake resident back and left the above information on their answering service.
06/23/2019 - 6:46 am	To: Hotline From: Resident	A call was received by the project hotline from a resident near site #6. The resident called the frontline to say that she'd heard a backup beeper early this morning - about 2:15 AM. Resident said they didn't know exactly where it was coming from.	Chris Stack reported that the beeping was caused by Waste Management, who made an unannounced late night visit to empty the trash bins. Bob Derry (Communication Staff) reported this information to Resident.
06/29/2019 - 6:40 am	To: Hotline From: Resident	A text message was received by the project hotline from a resident near site #6 to complain that at 6:30 a.m. she heard noises from trucks/beeping in the MOHAI area loud enough to wake her up.	John Welch (Deputy Project Manager) texted resident with the following message: Good morning, I am very sorry for the disturbance this morning. We have a new subcontractor starting today, and it appears that while they are aware of the noise requirements prior to 7:00 a.m. on weekdays, the message did not make it down to their equipment rental vendor. We have alerted them to this issue and directed them to notify all vendors of the project noise requirements. We are sorry again for the disturbance and will continue to get better at preventing these types of events.

Montlake Project MPPCNV Weekly Report
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