

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, August 2, 2021 to Sunday, August 8, 2021

PUBLISHED AUGUST 11, 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: 724

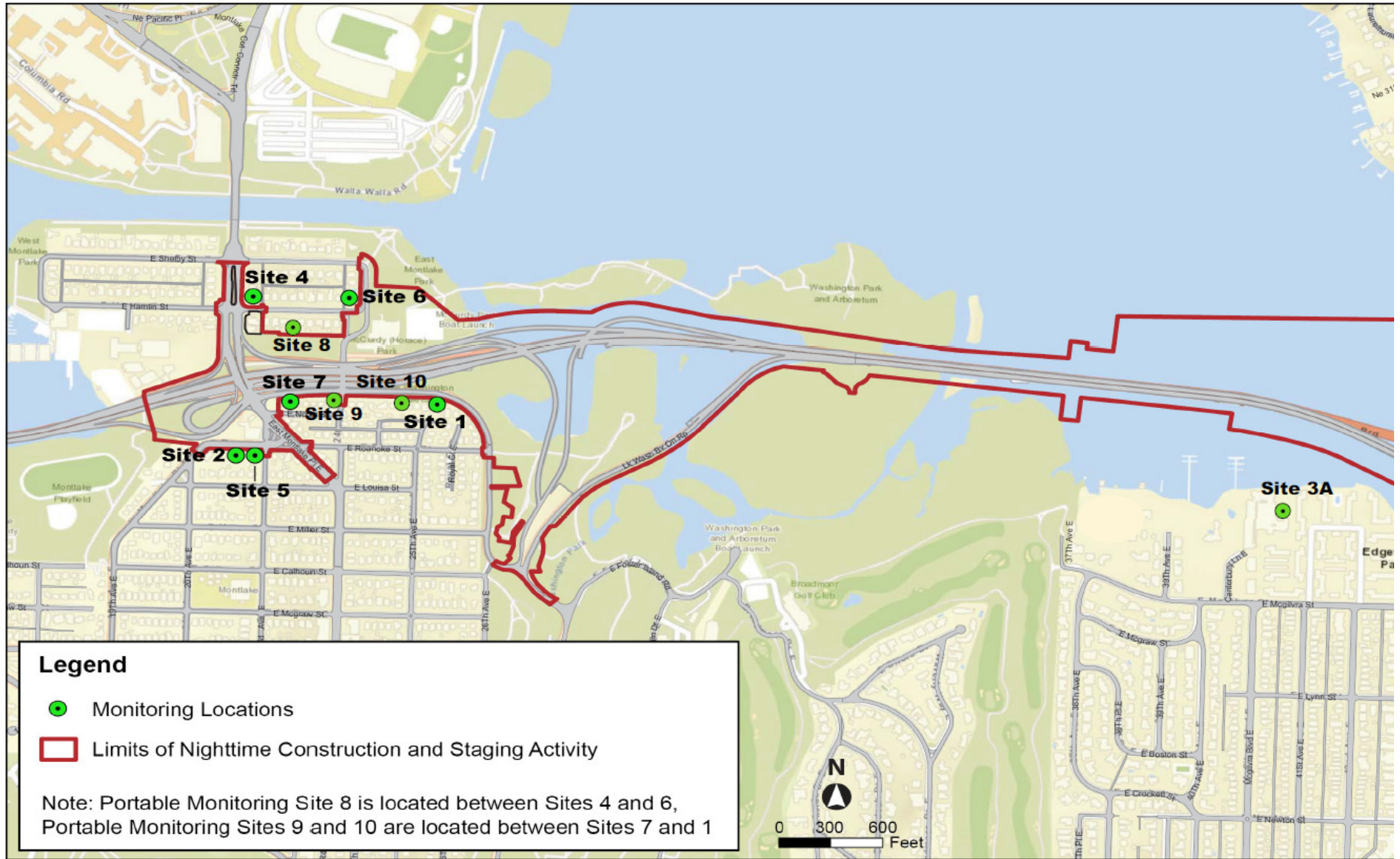
There were 14 MPPCNV noise exceedance but are not counted under the non-compliance due to the work being performed under TNV #6851357NV.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	11

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	329
Total Project related non-compliance	66
Total noise issue comments to the project	64
Total non-project related exceedances	2839

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 2, 2021 to Sunday, August 8, 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, August 2, 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	55.6	53.0	51.7	49.8	49.5	49.6	52.4	56.8	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	57.6	55.6	53.0	51.8	52.9	55.8	59.8	64.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.5	49.5	49.5	44.1	49.8	47.3	47.3	50.7	53.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.7	62.3	59.5	57.1	55.1	58.2	62.6	66.5	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.3	55.8	53.7	51.3	50.6	51.2	53.7	57.4	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.4	48.9	47.9	45.2	46.0	45.1	45.6	48.7	54.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	49.8	47.6	45.0	45.0	45.0	47.9	52.7	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.8	51.0	49.6	46.9	46.4	46.7	48.6	51.9	54.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.4	57.6	54.6	52.0	57.5	51.9	61.7	60.8	70.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.9	59.2	56.6	54.8	52.9	53.3	57.6	63.1	68.2	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
 Design-Builder worked between 10:00 PM and 7:00 AM installing hangers and conduit under the Montlake lid on the south side of SR-520

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, August 2, 2021 to Sunday, August 8, 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, August 3, 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	57.0	56.1	51.4	51.0	50.2	49.3	52.0	57.1	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.4	57.7	56.1	55.2	52.9	53.9	57.0	60.2	63.2	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.1	48.9	47.5	52.3	52.2	52.3	52.2	50.9	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.0	61.8	59.9	57.8	57.1	59.7	62.8	66.3	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.7	56.5	55.9	52.6	50.9	51.5	54.4	58.0	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.3	50.5	48.6	46.5	42.7	42.3	45.2	52.3	52.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	51.6	49.0	46.9	46.1	45.6	48.1	53.2	57.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.1	51.6	49.7	48.3	45.7	45.1	48.0	52.5	53.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	59.5	56.7	52.7	53.8	51.4	56.3	60.5	64.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	60.9	58.3	55.2	55.7	52.6	56.9	63.3	65.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
 Design-Builder worked between 10:00 PM and 7:00 AM installing hangers and conduit under the Montlake lid on the south side of SR-520

Public Comments:
 No public comments received related to nighttime noise.

Exceedances:
 Site(s) 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
 # = 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, August 2, 2021 to Sunday, August 8, 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, August 4, 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	57.3	54.1	51.7	50.6	51.6	50.1	52.8	57.7	58.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.5	56.7	54.0	55.6	53.2	55.3	56.7	60.5	62.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	53.8	50.5	49.1	43.1	43.5	41.9	45.6	52.0	52.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.8	62.4	60.1	59.4	56.5	57.9	62.7	66.4	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.9	54.7	52.1	51.9	50.9	52.5	54.4	58.2	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	50.8	49.1	48.0	46.9	47.6	50.6	54.0	56.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	50.7	48.2	46.2	47.6	46.7	49.7	53.5	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.8	51.1	49.0	48.1	48.1	47.8	50.8	55.3	55.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	58.5	54.9	53.7	55.7	54.3	58.4	61.4	65.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.9	60.2	57.4	55.7	56.8	55.8	58.8	63.3	65.9	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
 Design-Builder worked between 10:00 PM and 7:00 AM installing hangers and conduit under the Montlake lid on the south side of SR-520

Public Comments:
 No public comments received related to nighttime noise.

Exceedances:
 Site(s) 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
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 Blue = Noise level exceedance, not project related
 ~ = No Data Available
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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, August 2, 2021 to Sunday, August 8, 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, August 5, 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	54.6	52.6	49.4	50.4	48.5	45.7	49.5	54.0	56.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.5	56.5	53.5	53.3	51.1	52.7	55.2	58.7	61.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	47.8	45.8	47.1	52.6	52.0	51.9	51.3	49.4	50.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	63.1	60.8	60.1	58.7	59.1	62.9	66.5	68.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.5	55.2	53.3	54.1	50.0	51.7	53.1	56.6	59.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.5	51.8	48.2	47.9	44.2	43.6	46.5	51.0	51.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.4	50.6	47.9	48.1	45.3	46.9	49.9	51.8	54.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.7	54.1	49.7	53.2	45.4	45.2	48.4	52.5	54.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.9	58.6	55.7	55.8	52.7	56.9	56.7	60.5	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	61.4	57.7	55.7	53.7	55.3	57.4	62.7	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 PM and 7:00 AM installing hangers and conduit under the Montlake lid on the south side of SR-520

Public Comments:
 No public comments received related to nighttime noise.

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

Non-Compliance:
 None

Legend
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Monday, August 2, 2021 to Sunday, August 8, 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, August 6, 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	59.4	54.6	54.8	52.1	50.5	49.3	50.8	53.0	51.9	52.3	55.7
Site 2 - 2015 E. Roanoke St	78	60.5	60.1	60.8	57.7	56.5	56.5	56.5	58.2	58.6	60.0	62.9
Site 3A - 3810 E. McGilvra St	62	50.6	49.0	46.9	45.4	43.0	42.4	43.1	45.2	47.2	50.0	52.5
Site 4 - 2800 Montlake Blvd E	66	65.2	64.3	62.9	60.1	57.9	58.3	58.8	63.2	65.4	65.5	66.5
Site 5 - 2565 22nd Av E.	65	59.0	58.5	58.8	56.1	55.1	55.1	54.4	56.6	57.3	58.9	62.1
Site 6 - 2160 E. Hamlin St	63	51.1	52.6	52.1	49.8	47.1	46.6	47.8	50.8	52.9	55.1	57.2
Site 7 - 2209 E. Lake Wa Blvd	66	58.5	59.8	59.0	57.8	55.1	54.4	56.8	55.7	54.2	56.1	55.0
Site 8 - Portable Between Sites 4 and 6	63	55.3	55.6	53.8	50.8	48.5	48.7	49.3	52.3	53.3	55.1	57.2
Site 9 - Portable Between Sites 1 and 7	66	67.7	61.0	62.1	59.3	58.7	56.6	58.8	60.4	56.7	56.4	61.5
Site 10 - Portable Between Sites 1 and 7	66	68.1	61.6	63.0	60.2	59.0	57.6	60.6	61.1	57.1	57.8	61.3

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00 PM to 9:00 AM to excavate an area of Lk WA Blvd to replace the existing utility lines. TNV #6851357-NV.

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 #6851357-NV..

Non-Compliance:

None

Legend

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

Monday, August 2, 2021 to Sunday, August 8, 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, August 7, 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	56.1	55.5	54.1	52.9	51.9	49.9	52.0	52.4	52.3	51.9	56.4
Site 2 - 2015 E. Roanoke St	78	60.2	62.3	66.6	59.4	57.6	55.2	56.2	57.9	60.0	60.5	60.9
Site 3A - 3810 E. McGilvra St	62	54.5	53.6	53.0	56.0	53.9	53.1	51.8	44.0	45.1	47.0	51.0
Site 4 - 2800 Montlake Blvd E	66	64.1	63.8	61.1	58.7	61.5	58.4	59.3	61.3	64.0	64.8	65.0
Site 5 - 2565 22nd Av E.	65	58.8	60.9	64.5	57.2	56.5	54.1	55.4	56.0	58.7	59.0	60.5
Site 6 - 2160 E. Hamlin St	63	54.3	54.4	55.0	51.5	49.8	50.5	50.4	49.4	50.1	52.4	56.0
Site 7 - 2209 E. Lake Wa Blvd	66	55.0	58.5	58.7	57.1	52.9	54.8	53.9	52.9	65.8	61.9	56.3
Site 8 - Portable Between Sites 4 and 6	63	54.6	55.6	55.4	53.4	50.9	50.4	51.3	51.9	53.1	54.0	57.3
Site 9 - Portable Between Sites 1 and 7	66	60.6	61.0	58.3	56.2	57.2	53.7	56.4	56.0	62.5	60.7	62.0
Site 10 - Portable Between Sites 1 and 7	66	61.0	60.3	57.3	57.0	57.1	51.0	58.8	57.1	59.5	54.3	63.6

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Design-Builder worked between 10:00 PM to 9:00 AM to excavate an area of Lk WA Blvd to replace the existing utility lines. TNV #6851357-NV.

Public Comments:
No public comments received related to nighttime noise.

Exceedances:
Site 7 exceedances are project related. Work covered under TNV #6851357-NV.

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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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, August 2, 2021 to Sunday, August 8, 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, August 8, 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	60.5	59.4	53.3	48.4	58.1	56.0	57.6	56.7	58.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.1	62.6	63.2	62.6	62.3	59.8	60.3	60.7	62.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.8	49.4	49.0	53.0	52.8	52.8	53.0	52.4	52.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.1	64.5	70.3	57.1	58.0	56.5	58.5	56.5	59.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.7	60.8	61.8	62.0	60.6	59.0	57.6	58.7	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.8	51.8	51.7	45.2	46.2	53.2	54.5	48.5	51.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.1	59.1	60.5	61.4	60.2	59.0	59.7	53.4	56.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.4	55.8	55.1	53.7	51.0	52.8	54.5	50.8	52.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	70.1	70.3	68.8	66.0	72.0	72.7	69.4	63.8	64.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	71.2	69.3	61.8	55.1	70.3	63.8	61.5	63.2	64.9	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 install drainage down the middle of Lake Washington Blvd., relocate the WB on-ramp from Montlake Blvd to SR520 and realign Montlake blvd. Pave the EB on-ramp, Lake Washington blvd. Permit #: 6851357-NV.

Public Comments:

12:01 a.m August 9th - A resident that lives on E Hamlin Street called to complain about excessive noise behind her home.. **The call required a follow-up. See Public Notice Log for additional details.**

Exceedances:

Site 4, 9 and 10 exceedances are project related. Work covered under TNV #6851357-NV.

Non-Compliance:

None

Legend

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

Monday, August 2, 2021 to Sunday, August 8, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
08/09/2021 - 12:01 a.m	To: Project Hotline From: Resident near site #8	During the MPPCNV Monitoring: Resident "complain about excessive noise behind her home."	Bob Derry (Public Information Manager) answered the hotline call and "Bob called Gary Stensland to find out what it was and how long the noise would last. Bob reported back to resident that the noise was from a machine removing lane striping from the roadway and that noisy work will likely continue until 6 a.m. Bob offered her a hotel room, but she declined"