

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, October 4, 2021** to **Sunday, October 10, 2021**

PUBLISHED OCTOBER 13, 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: **787**

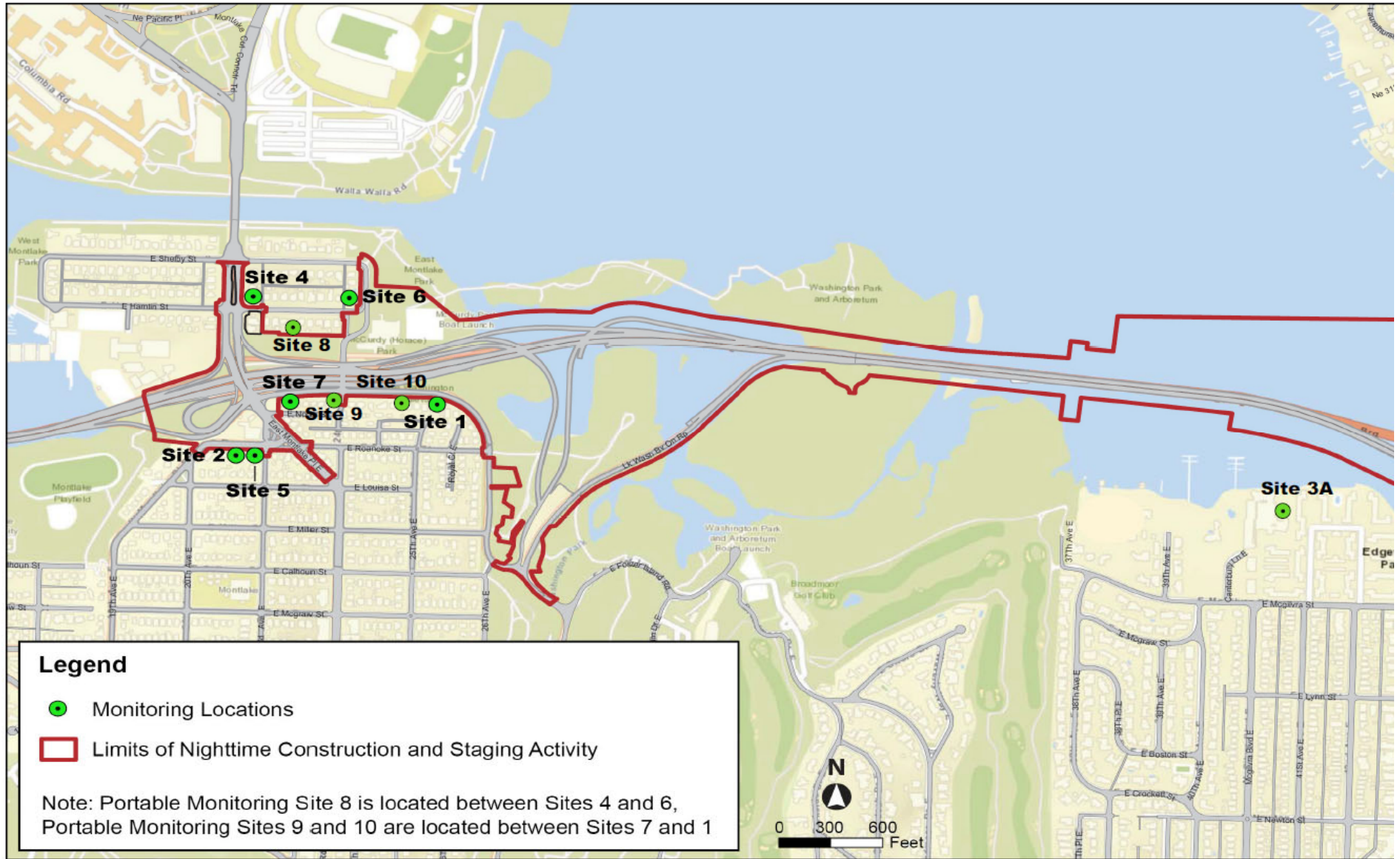
There were 7 MPPCNV noise exceedances but are not counted under the non-compliance due to the work being performed under TNV 6860186-NV and TNV 6861736-NV

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	3
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	18

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	373
Total Project related non-compliance	103
Total noise issue comments to the project	72
Total non-project related exceedances	2950

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, October 4, 2021 to Sunday, October 10, 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, October 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	53.0	51.8	48.5	46.8	44.9	49.4	52.9	54.2	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.6	54.5	53.0	53.6	51.5	51.2	53.5	56.9	63.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.6	48.5	44.2	43.3	39.1	41.5	43.0	47.4	53.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	59.3	56.1	53.7	52.5	50.3	52.0	60.4	65.8	74.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.3	53.0	51.1	51.7	49.3	50.1	52.3	54.8	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.1	55.0	51.0	50.3	48.4	51.2	52.0	53.2	56.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	51.2	50.3	47.2	47.6	47.0	49.2	51.3	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.8	56.5	52.0	50.8	49.1	50.7	52.0	53.5	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.5	57.4	55.4	59.9	59.6	62.4	64.3	60.5	68.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	54.9	53.9	51.4	48.3	47.0	50.5	60.0	62.1	66.5	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 lighting under the Montlake lid, girder deliveries and set up for day work. Graham/SCL worked on installing 26 kV duck bank work covered by TNV 6860186-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Site 9 exceedances 10pm - 11pm are work related. Exceedances are covered by TNV 6860186-NV.

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, October 4, 2021 to Sunday, October 10, 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, October 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	52.1	50.9	47.1	44.2	50.2	48.6	53.2	55.4	59.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.4	56.0	52.5	50.5	52.1	48.9	54.5	57.8	60.8	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	47.9	45.5	42.9	40.9	44.1	40.9	44.9	48.4	51.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	58.7	57.2	53.5	52.5	54.4	52.5	63.0	66.5	68.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.4	55.0	51.4	49.4	51.4	48.7	53.4	56.3	59.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	53.3	51.9	49.2	50.4	47.8	51.9	55.3	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	50.0	46.3	48.0	49.8	44.8	50.0	52.8	56.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	57.3	51.0	48.8	53.0	47.8	52.7	55.6	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	74.6	60.2	52.6	53.6	65.3	48.3	58.9	64.0	68.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	54.6	55.2	49.1	46.6	52.7	50.4	58.3	62.8	66.2	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 lighting under the Montlake lid, deliveries and set up for day work. Graham/SCL worked on installing 26 kV duck bank work covered by TNV 6860186-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Site 9 exceedances between 10pm - 11pm are work related. Exceedances are covered by TNV 6860186-NV.

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, October 4, 2021 to Sunday, October 10, 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, October 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	56.0	55.0	50.4	48.2	47.4	52.2	53.7	57.0	60.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.9	58.6	54.5	52.4	51.5	52.6	55.1	60.5	61.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.6	47.6	45.4	43.8	41.8	43.8	45.7	49.6	52.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	57.0	61.2	54.3	51.2	51.4	53.5	63.7	66.6	68.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.4	56.9	54.4	51.0	49.9	51.4	53.1	57.9	60.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.8	51.9	54.4	45.3	44.3	46.4	46.1	49.5	52.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.3	52.7	49.3	46.3	44.8	47.4	51.0	54.7	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.6	60.0	51.2	49.4	47.9	49.0	49.8	52.8	54.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.4	59.2	57.2	54.4	51.4	57.1	60.0	62.8	68.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.7	59.6	54.5	53.8	52.8	57.8	59.9	64.1	67.6	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 lighting under the Montlake lid, girder deliveries, unload girders and set up for day work. Graham/SCL worked on installing 26 kV duck bank work covered by TNV 6860186-NV.												
Public Comments: - 7:49 a.m October 7th - Resident called the messaged Senior Administrative Assistant to complain of loud noises from construction. It sounded like a grinding, shoveling rocks, type of sound. The call did not required a follow-up. See Public Notice Log for additional												
Exceedances: Site(s) 4, 9 and 10 exceedances 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, October 4, 2021 to Sunday, October 10, 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, October 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	57.0	54.4	58.6	49.4	48.9	52.1	53.0	56.0	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.2	58.7	56.1	54.7	52.6	56.9	55.2	58.8	60.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.8	49.7	47.1	45.2	43.5	43.3	44.6	49.6	50.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	58.2	56.6	55.4	54.3	53.1	64.0	64.6	66.0	68.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	56.8	54.3	53.0	50.7	54.6	53.2	57.3	58.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.4	56.0	54.2	51.0	49.6	48.5	44.9	52.6	56.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	53.6	51.6	48.8	47.1	50.0	47.4	52.7	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.8	55.9	54.1	51.5	50.1	51.3	48.6	54.8	56.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.4	61.6	59.0	56.2	54.4	58.9	56.7	62.0	69.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.6	68.7	55.6	54.7	59.0	59.0	63.5	65.6	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 lighting under the Montlake lid, girder deliveries, unload girders and set up for day work.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances 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

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= No contract work . Portable monitors are not being used (not needed).

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NOISE MONITORING - WEEKLY REPORT
Monday, October 4, 2021 to Sunday, October 10, 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, October 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	58.1	56.9	56.0	56.5	55.4	54.2	53.2	54.5	54.7	55.5	57.8
Site 2 - 2015 E. Roanoke St	78	62.2	65.8	72.2	66.9	63.3	66.5	61.0	57.1	58.8	62.8	64.2
Site 3A - 3810 E. McGilvra St	62	53.0	49.5	49.8	47.0	45.5	42.8	43.4	45.7	47.8	49.0	51.8
Site 4 - 2800 Montlake Blvd E	66	61.3	59.8	59.2	55.9	63.0	61.7	59.1	58.2	58.0	57.5	58.4
Site 5 - 2565 22nd Av E.	65	60.3	62.0	69.7	65.6	61.4	67.6	59.3	55.5	57.7	61.1	63.0
Site 6 - 2160 E. Hamlin St	63	60.0	58.7	59.6	57.6	57.0	52.9	52.2	55.7	55.8	57.1	57.2
Site 7 - 2209 E. Lake Wa Blvd	66	59.5	59.8	62.4	60.1	56.6	58.6	53.8	53.1	54.0	57.2	58.4
Site 8 - Portable Between Sites 4 and 6	63	~	~	~	~	~	~	~	~	~	~	~
Site 9 - Portable Between Sites 1 and 7	66	63.6	64.8	64.8	63.0	61.2	63.0	62.8	65.3	63.0	64.0	65.0
Site 10 - Portable Between Sites 1 and 7	66	61.8	61.3	61.7	62.9	61.8	62.6	61.7	62.7	61.5	62.0	64.8

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Design-Builder worked between 10:00pm and 9:00am to relocate utilities. Work is covered by TNV 6861736-NV. AB set up for day work on the old WABS
Site 8 stopped reporting data. Gary Stensland with PBS was notified.

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

Exceedances:
Site 5 exceedances are work related. Exceedances are covered by TNV 6861736-NV.

Non-Compliance:
- 7:38am and 8:12am SCL equipment's were observed with a pure tonal backup alarm. SCL was notified on equipment requirements during the MPPCNV hours.

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, October 4, 2021 to Sunday, October 10, 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, October 9, 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	54.4	53.5	51.7	50.6	54.7	55.0	53.5	55.4	53.5	53.3	55.5
Site 2 - 2015 E. Roanoke St	78	59.1	57.8	59.1	61.5	59.1	58.5	52.8	59.0	57.8	62.6	61.3
Site 3A - 3810 E. McGilvra St	62	50.4	47.8	46.4	45.8	50.4	52.1	51.6	46.7	45.6	47.8	50.4
Site 4 - 2800 Montlake Blvd E	66	59.9	54.9	54.3	54.0	53.8	52.3	51.0	55.3	59.8	63.9	64.8
Site 5 - 2565 22nd Av E.	65	57.6	55.5	57.1	57.8	61.5	63.0	51.5	56.7	56.5	59.8	60.1
Site 6 - 2160 E. Hamlin St	63	57.3	55.7	55.9	55.0	53.5	53.7	50.7	51.8	54.5	56.6	57.7
Site 7 - 2209 E. Lake Wa Blvd	66	53.1	51.9	51.3	50.7	54.6	54.0	53.6	56.1	53.0	55.9	57.0
Site 8 - Portable Between Sites 4 and 6	63	~	~	~	~	~	~	~	~	~	~	~
Site 9 - Portable Between Sites 1 and 7	66	60.7	60.8	63.4	58.6	62.7	62.3	62.9	65.7	61.9	61.1	61.9
Site 10 - Portable Between Sites 1 and 7	66	57.7	59.6	57.5	56.9	62.5	63.1	63.7	66.0	62.2	60.7	62.1
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to relocate utilities. Work is covered by TNV 6861736-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 10 exceedances are work related. Exceedances are covered by TNV 6861736-NV.

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

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= No contract work . Portable monitors are not being used (not needed).

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NOISE MONITORING - WEEKLY REPORT
Monday, October 4, 2021 to Sunday, October 10, 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, October 10, 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	53.5	52.7	53.1	51.9	55.2	52.0	54.5	57.1	60.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	67.2	61.5	61.0	54.9	57.8	53.6	55.8	60.5	63.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.0	47.4	47.3	45.3	49.4	44.0	47.2	51.5	55.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	55.6	54.5	61.1	54.3	60.0	55.4	59.9	65.9	68.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	66.5	60.4	60.3	53.0	59.8	52.9	54.4	59.1	61.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	52.6	54.5	53.2	55.6	48.5	48.9	53.1	56.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.2	52.8	58.4	48.6	53.5	48.7	49.7	54.5	58.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	~	~	~	~	~	~	~	~	~	N/A	
Site 9 - Portable Between Sites 1 and 7	66	62.6	58.6	65.6	57.7	62.9	59.3	58.0	62.8	66.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	56.9	59.2	59.9	59.5	61.6	62.8	58.4	63.1	66.7	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 relocate utilities. Work is covered by TNV 6861736-NV. Girder delivery and set up for day work.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Site 5 exceedances from 10pm - 11pm are work related. Exceedances are covered by TNV 6861736-NV

Non-Compliance:

- 11:22pm Graham equipment was observed with a pure tonal backup alarm. Mallory with PBS notified Graham on equipment requirements during the MPPCNV hours, and the vehicle was parked after being reminded a second time.

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

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= 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, October 4, 2021 to Sunday, October 10, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
10/07/2021 - 7:49am	To: Cheryl Webster From: Resident near site #6	Resident messaged Cheryl to complain "early this am between 3-4, I woke up due to loud noises from construction. It sounded like a grinding, shoveling rocks, type of sound. I've got a back injury so I didn't want to get out of bed but it was loud enough to wake me up. I am not sure how long it went on for but was over at 4."	Cheryl Webster (Senior Administrative Assistant) responded to resident that "the only activity that evening that may have caused the activity was electrical work on the lid. This information was relayed to Francie. I also encouraged her to contact the hotline at the time of the incident so we can better identify the source and adjust accordingly."