

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, July 5, 2021 to Sunday, July 11, 2021

PUBLISHED JULY 14, 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: 696

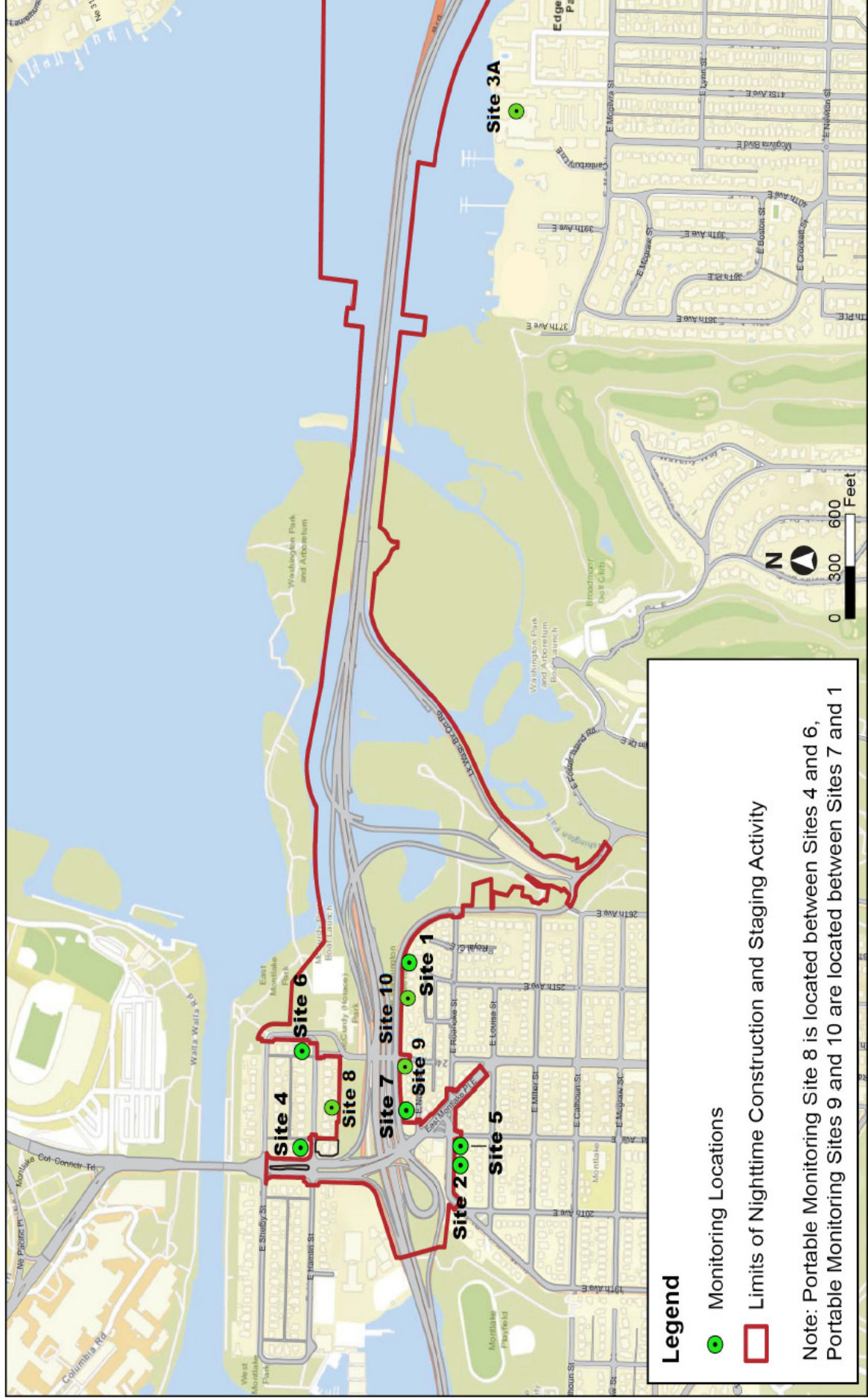
There were 20 MPPCNV noise exceedance but are not counted under the non-compliance due to the work being performed under TNV #6846228-NV.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	22

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	301
Total Project related non-compliance	63
Total noise issue comments to the project	60
Total non-project related exceedances	2762

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



Legend

- Monitoring Locations
- Limits of Nighttime Construction and Staging Activity

Note: Portable Monitoring Site 8 is located between Sites 4 and 6, Portable Monitoring Sites 9 and 10 are located between Sites 7 and 1

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, July 5, 2021 to Sunday, July 11, 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, July 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	57.3	56.9	51.3	49.2	48.5	48.5	51.3	56.3	58.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.9	58.2	57.8	55.4	58.9	54.7	57.6	60.8	62.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.5	48.2	45.4	42.4	43.0	42.8	45.6	49.6	51.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.4	62.3	64.1	62.4	56.6	57.7	65.8	66.5	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	56.5	55.5	52.3	55.8	53.0	55.5	58.7	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.2	50.2	45.4	42.4	41.9	41.9	47.7	48.8	51.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.9	49.7	47.9	44.8	46.2	46.4	48.3	52.3	55.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.3	51.8	49.0	46.3	46.1	44.7	50.9	53.1	53.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.5	58.8	53.7	51.2	50.4	53.6	55.1	64.0	64.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.8	60.6	55.1	53.1	50.7	49.4	55.4	63.1	65.6	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:

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, July 5, 2021 to Sunday, July 11, 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, July 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	55.9	54.5	53.5	51.1	48.8	50.2	52.0	55.2	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	59.4	58.8	57.0	55.7	54.6	57.4	59.6	61.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.8	48.5	47.7	52.6	52.7	52.8	52.5	48.6	51.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.3	62.7	65.7	57.8	56.8	57.4	63.0	68.0	70.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.7	57.5	56.1	54.1	52.5	51.8	55.5	57.7	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	48.6	49.5	48.7	45.5	42.3	44.6	51.1	53.2	57.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	51.8	50.2	46.7	43.3	45.0	49.6	52.0	56.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.0	52.9	51.8	47.3	45.1	46.0	51.8	53.4	57.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.2	59.1	58.9	59.5	49.5	54.2	57.7	61.7	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.1	60.9	60.3	55.9	52.1	56.1	56.2	63.0	66.1	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 work on installing underlid lighting, excavate for lagging and set up for day work to install rebar at the Montlake lid and assemble rebar cages.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 and 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

= 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, July 5, 2021 to Sunday, July 11, 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, July 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	56.0	54.3	53.9	52.4	48.4	50.4	51.7	56.7	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	59.9	57.3	56.4	52.2	53.9	56.9	60.5	63.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.9	48.3	45.4	44.1	43.1	46.5	45.9	50.8	51.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	63.6	61.7	60.4	56.5	57.5	64.7	67.3	69.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.2	58.6	55.8	54.2	50.5	52.4	54.8	58.5	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.8	53.1	51.3	51.4	46.6	48.6	49.7	53.9	53.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.3	51.8	51.6	51.3	45.5	48.9	48.8	53.5	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	54.5	52.5	50.7	46.7	50.9	52.4	55.1	55.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.1	60.7	60.0	54.9	55.1	54.7	56.5	62.5	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.2	61.2	61.0	56.7	55.6	55.4	57.6	63.3	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 work on installing underlid lighting, excavate for lagging and set up for day work to install rebar at the Montlake lid and assemble rebar cages.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 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

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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, July 5, 2021 to Sunday, July 11, 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, July 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	55.7	55.0	51.7	61.7	49.3	48.8	50.1	56.1	58.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	60.5	56.8	58.8	55.6	54.5	57.0	60.8	63.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.6	50.6	50.7	53.1	53.0	53.0	52.6	51.3	51.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	64.4	61.8	64.8	59.3	58.5	64.4	67.0	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	59.3	55.1	55.2	53.9	52.9	54.6	58.8	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.8	52.5	51.5	48.2	45.3	46.5	47.8	51.5	50.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.0	52.2	49.5	48.0	47.1	47.1	47.8	52.6	57.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.7	54.4	50.5	51.1	48.4	49.6	49.8	54.1	53.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	60.8	56.5	54.8	54.9	53.8	55.8	61.8	65.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.7	61.2	58.1	69.8	56.9	54.1	57.2	63.1	66.8	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 work on installing underlid lighting, and set up for day work to install rebar at the Montlake lid and assemble rebar cages.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 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.

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Monday, July 5, 2021 to Sunday, July 11, 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, July 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	63.3	57.0	54.6	54.0	49.9	48.6	47.2	51.9	51.6	54.2	57.0
Site 2 - 2015 E. Roanoke St	78	61.2	60.1	58.5	63.5	55.2	55.3	54.9	57.5	59.5	61.1	68.6
Site 3A - 3810 E. McGilvra St	62	52.1	50.4	48.3	46.3	46.1	43.5	45.7	47.5	49.2	50.7	55.1
Site 4 - 2800 Montlake Blvd E	66	65.3	64.7	62.9	66.0	58.4	58.0	59.5	61.9	65.9	65.8	68.0
Site 5 - 2565 22nd Av E.	65	59.5	58.6	56.4	61.3	53.2	52.6	53.0	55.4	57.7	59.4	66.0
Site 6 - 2160 E. Hamlin St	63	50.9	50.7	47.4	49.5	50.4	46.0	46.0	60.0	51.1	52.1	55.1
Site 7 - 2209 E. Lake Wa Blvd	66	54.8	54.0	49.9	53.2	48.0	49.1	49.0	48.5	49.2	50.6	63.2
Site 8 - Portable Between Sites 4 and 6	63	51.9	52.4	51.5	51.7	50.6	48.2	48.7	49.3	50.9	53.3	57.0
Site 9 - Portable Between Sites 1 and 7	66	74.4	73.6	71.4	72.5	69.7	71.8	71.7	68.2	61.1	65.9	72.2
Site 10 - Portable Between Sites 1 and 7	66	75.6	65.2	63.5	62.7	53.5	54.9	50.1	59.4	54.6	57.8	63.8

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to work on the utilities at the intersection of Lk WA Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 and 5 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 #6846228-NV.

Non-Compliance:

None

Legend

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Monday, July 5, 2021 to Sunday, July 11, 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, July 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	59.1	57.8	55.5	54.5	51.4	48.7	48.9	50.4	52.7	55.6	54.7
Site 2 - 2015 E. Roanoke St	78	64.3	60.1	60.1	56.8	58.3	56.1	53.2	54.9	57.9	58.9	60.4
Site 3A - 3810 E. McGilvra St	62	55.0	52.0	49.5	53.6	53.1	52.9	51.9	44.1	49.5	48.6	50.7
Site 4 - 2800 Montlake Blvd E	66	67.2	64.4	64.1	63.3	67.2	57.0	57.1	58.6	64.8	64.5	65.1
Site 5 - 2565 22nd Av E.	65	62.4	58.5	57.9	54.8	55.6	54.7	51.2	52.9	56.0	57.4	59.0
Site 6 - 2160 E. Hamlin St	63	51.6	49.4	47.9	46.8	46.9	44.6	44.6	51.0	51.2	52.4	52.3
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	50.9	53.6	55.0	48.5	50.7	46.7	47.9	48.8	52.5	51.5
Site 8 - Portable Between Sites 4 and 6	63	54.6	52.2	50.4	50.2	50.6	48.5	47.5	48.5	53.1	52.4	54.2
Site 9 - Portable Between Sites 1 and 7	66	70.9	70.7	71.4	73.1	72.4	73.4	71.7	70.0	65.0	68.3	66.0
Site 10 - Portable Between Sites 1 and 7	66	62.0	57.5	57.9	63.3	57.3	53.5	57.5	58.7	59.8	60.3	57.7

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to work on the utilities at the intersection of Lk WA Blvd. and the 24th Ave Bridge also to work on the under deck lighting.

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 exceedances are project related. Work covered under TNV #6846228-NV.

Non-Compliance:

None

Legend

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Sunday, July 11, 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	60.8	57.1	52.3	48.2	46.6	46.3	50.7	56.9	59.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.8	58.0	55.5	54.4	59.2	52.4	55.6	61.2	63.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	54.1	51.4	50.0	52.4	52.4	52.5	51.9	51.1	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.8	62.4	60.2	56.5	69.6	58.5	62.4	67.2	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.6	56.2	53.5	52.0	56.4	50.6	53.7	59.1	61.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.3	48.5	47.8	43.1	42.0	43.0	47.5	51.7	52.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.7	49.2	48.3	44.4	49.0	43.2	46.9	53.0	56.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.4	51.4	54.7	47.1	48.6	47.6	51.4	54.6	52.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.9	57.9	64.4	59.3	59.0	49.4	52.8	60.7	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	75.1	64.1	58.5	54.9	54.3	51.5	55.2	63.1	66.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 2:30am to pave and clean from installing drainage pipe in the middle of Lake Washington Blvd, also to set barrier on the WB SR520 off-ramp.

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 10 exceedances from 10pm - 11pm are project related. Work covered under TNV #6846228-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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Monday, July 5, 2021 to Sunday, July 11, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
07/05/2021 - 11:05 p.m	To: Project Hotline From: Resident near site #6	During the MPPCNV Monitoring: Resident "called the project hotline to complain about noise from some construction workers. She said there were men on the bike path near the MOHAI entrance (Gate 5) talking very loudly."	Bob Derry (Public Information Manager) answered the hotline call and "told her we didn't have any work scheduled but he would look into the situation... Gary (ECM) reported back to Bob that there were no known changes. Bob called resident back and left a voicemail confirming we didn't have any work planned for this evening but that he would drive over and investigate the situation... Bob derry stated that there weren't any workers in that location, but he saw what appeared to be a WSDOT maintenance crew working near the sign bridge to the east of the 24th Avenue overpass."