

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, June 14, 2021 to Sunday, June 20, 2021

PUBLISHED JUNE 23, 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: 675

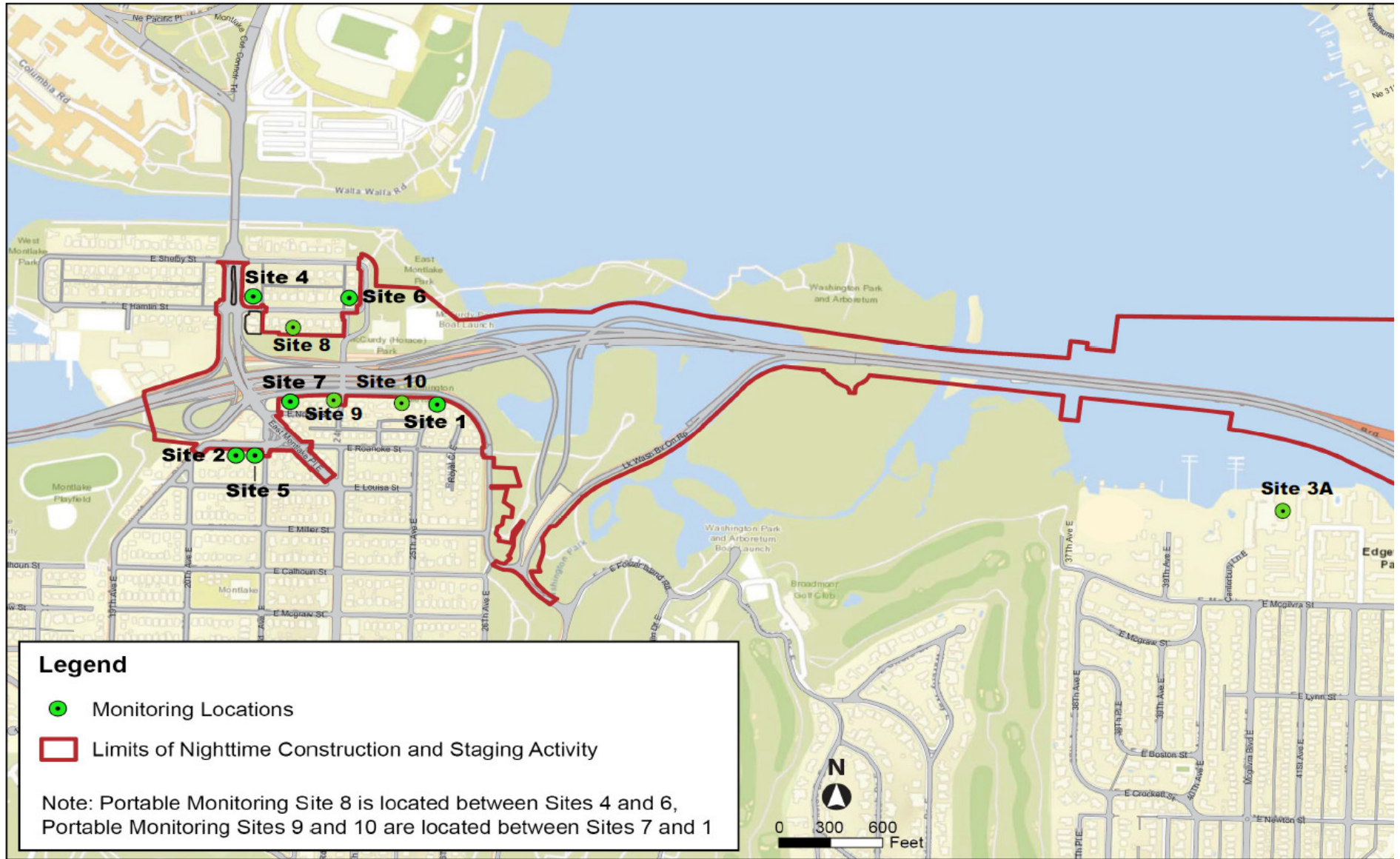
There were 14 MPPCNV noise exceedance but are not counted under the non-compliance due to the work being performed under TNV #6841261-NV. There was 1 non-compliance from Seattle Public Utilities which is counted toward the non-compliance count.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	2
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	27

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	284
Total Project related non-compliance	60
Total noise issue comments to the project	59
Total non-project related exceedances	2692

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, June 14, 2021 to Sunday, June 20, 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, June 14, 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	58.0	54.2	52.1	49.6	49.0	46.6	52.1	56.8	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	58.8	57.1	55.2	54.0	53.4	60.3	60.5	63.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	46.7	45.5	43.9	42.4	41.9	43.6	44.7	49.5	50.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.7	63.6	61.0	60.0	57.8	56.7	63.2	67.6	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.8	57.3	55.0	53.4	52.9	51.5	57.9	58.4	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	51.4	51.5	50.4	50.2	49.4	53.4	55.1	57.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.8	54.9	53.9	53.5	53.4	52.8	53.4	54.9	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.3	53.1	52.7	51.4	50.8	48.5	53.2	54.4	56.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.1	67.4	60.5	59.5	59.8	58.6	60.7	64.9	65.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.9	62.4	58.4	54.8	54.6	52.1	58.4	64.2	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 work on the Montlake lid to set form deck soffit, strip forms, assemble rebar cages, install rebar at the Montlake lid and set up for day work.

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, June 14, 2021 to Sunday, June 20, 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, June 15, 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	55.0	55.1	51.8	48.6	49.1	50.4	52.0	57.1	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.0	66.5	56.2	53.9	52.9	59.0	57.3	60.6	62.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.5	50.3	46.6	51.9	52.4	46.3	44.2	49.7	52.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.4	65.7	61.7	58.3	56.9	66.0	63.1	67.6	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	64.4	54.5	52.3	51.0	56.0	55.3	58.9	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.4	56.3	51.0	46.6	48.3	50.8	51.6	56.0	55.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.8	56.4	53.6	52.2	54.3	54.6	54.8	63.7	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.4	57.2	52.6	50.1	50.6	53.2	52.0	57.0	58.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.2	62.5	60.5	59.2	62.6	61.3	64.3	81.0	65.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.1	57.7	54.3	54.9	54.2	58.0	64.2	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 work on the Montlake lid to set form deck soffit, strip forms, assemble rebar cages, install rebar at the Montlake lid and set up for day work.

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.

Site 9 is project related. The Design-Builder was using compressed air to clean te East end of the Montlake lid. This will be consider a project exceedance/non-compliance towards the MPPCNV.

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, June 14, 2021 to Sunday, June 20, 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, June 16, 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	57.2	55.9	52.5	49.0	49.7	49.5	53.3	58.1	59.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	60.0	57.6	55.0	54.3	54.9	60.3	63.5	63.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.3	48.8	46.6	43.4	42.8	45.6	47.7	52.6	54.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.3	63.6	61.7	59.3	57.9	57.9	63.2	69.4	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	58.3	55.8	53.0	52.4	53.2	57.9	64.3	63.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	56.0	51.8	48.7	48.0	50.1	55.6	56.0	55.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.3	55.3	52.8	51.3	51.4	51.5	53.9	55.5	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.5	55.6	51.9	49.5	49.0	50.7	53.1	56.9	55.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.4	61.8	59.5	54.9	57.7	54.5	64.7	64.4	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.5	61.5	59.0	54.4	56.8	54.0	58.3	64.3	66.9	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 work on the Montlake lid, strip forms, assemble rebar cages, install rebar at the Montlake lid and set up for day work.

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, June 14, 2021 to Sunday, June 20, 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, June 17, 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	56.3	54.8	51.8	50.7	49.2	50.3	51.1	57.6	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.2	61.6	61.2	62.1	61.3	57.4	59.5	60.5	62.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.6	50.9	49.2	53.0	52.7	47.9	46.6	52.2	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.5	64.0	61.0	60.3	59.6	57.9	64.6	66.9	69.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.9	58.9	58.0	58.8	57.8	54.9	56.8	58.2	60.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.6	53.2	52.5	52.5	52.3	52.0	53.8	57.2	55.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	66.8	65.9	65.7	66.2	65.2	62.0	62.4	55.0	56.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.9	57.8	57.7	59.6	59.3	55.3	56.0	54.6	55.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.1	65.7	64.8	66.4	65.5	62.2	62.8	63.0	70.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	61.3	58.0	57.4	56.0	57.2	55.7	64.1	67.0	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 the Montlake lid for concrete deck pour, strip forms, assemble rebar cages, install rebar at the Montlake lid and set up for day work.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 7, 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

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

Monday, June 14, 2021 to Sunday, June 20, 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, June 18, 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	59.0	55.0	53.5	51.8	52.1	51.7	53.1	54.6	54.4	56.6	58.4
Site 2 - 2015 E. Roanoke St	78	63.5	61.9	59.6	55.9	54.4	51.8	55.1	56.3	61.9	60.1	61.8
Site 3A - 3810 E. McGilvra St	62	53.5	50.7	50.1	47.2	45.2	45.7	44.3	48.5	49.2	51.1	54.5
Site 4 - 2800 Montlake Blvd E	66	71.1	64.8	65.1	60.5	58.3	56.0	59.5	62.4	70.1	66.5	66.9
Site 5 - 2565 22nd Av E.	65	61.3	59.6	58.5	54.3	52.5	50.3	53.5	54.5	58.3	58.4	60.3
Site 6 - 2160 E. Hamlin St	63	51.5	52.7	53.1	49.9	47.9	47.8	51.2	51.6	51.3	51.8	56.1
Site 7 - 2209 E. Lake Wa Blvd	66	53.5	59.2	55.5	50.3	47.8	48.7	56.0	48.2	56.4	53.4	55.2
Site 8 - Portable Between Sites 4 and 6	63	53.3	54.2	53.4	50.5	50.8	48.3	49.1	51.0	51.6	53.0	56.7
Site 9 - Portable Between Sites 1 and 7	66	63.6	85.4	78.2	69.2	62.4	65.6	62.2	65.0	64.3	70.9	63.4
Site 10 - Portable Between Sites 1 and 7	66	68.4	62.8	58.0	59.9	60.6	60.7	63.0	64.7	65.8	65.8	67.4

*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 installing storm drainage pipe and structures in the middle of Lake Washington Blvd over a weekend. Closed of Lake Washington Blvd and set up for day work on the WABS bridge. Graham installing storm drainage pipe and structures in the middle of Lake Washington Blvd over a weekend closure of Lake Washington Blvd is covered under TNV 6841261NV

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 #6841261-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, June 14, 2021 to Sunday, June 20, 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, June 19, 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	57.5	55.5	55.6	54.9	53.1	54.7	55.7	54.3	54.8	54.7	56.5
Site 2 - 2015 E. Roanoke St	78	63.6	61.2	58.3	56.1	54.7	53.7	52.6	55.6	57.3	58.7	61.3
Site 3A - 3810 E. McGilvra St	62	55.3	52.8	51.0	52.6	52.5	47.6	43.4	46.2	48.3	50.4	53.2
Site 4 - 2800 Montlake Blvd E	66	65.5	65.0	61.9	59.9	57.5	57.7	56.2	62.9	64.8	64.8	65.7
Site 5 - 2565 22nd Av E.	65	61.7	59.3	56.4	54.9	52.5	51.9	51.0	54.2	55.4	56.9	59.7
Site 6 - 2160 E. Hamlin St	63	55.0	51.8	49.6	49.5	49.5	48.7	52.2	51.1	48.6	50.4	52.6
Site 7 - 2209 E. Lake Wa Blvd	66	52.3	52.2	50.6	51.4	47.4	46.0	52.3	48.1	49.0	52.0	52.7
Site 8 - Portable Between Sites 4 and 6	63	54.4	54.1	51.5	50.1	48.9	47.5	48.6	51.4	50.3	50.8	52.8
Site 9 - Portable Between Sites 1 and 7	66	57.9	57.4	67.3	74.2	64.1	63.1	61.4	62.6	61.4	69.3	61.2
Site 10 - Portable Between Sites 1 and 7	66	60.2	62.0	68.6	65.6	67.5	66.9	69.2	65.5	65.8	65.8	65.5

*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 installing storm drainage pipe and structures in the middle of Lake Washington Blvd over a weekend. Closure of Lake Washington Blvd is covered under TNV 6841261-NV

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 9 and 10 exceedances are project related. Work covered under TNV #6841261-NV.

Non-Compliance:

6:49am Seattle Public Utilities vehicle was observed with a pure tonal backup alarm. Peter Stensland was notified. No action was taken. Non-Compliance towards the TNV #6841261-NV.

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).

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Sunday, June 20, 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	54.0	49.7	52.0	49.2	47.7	52.1	56.6	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	58.4	55.7	54.0	54.1	53.5	57.4	61.2	63.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.6	48.6	46.1	51.7	52.3	46.5	46.0	51.2	52.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	62.2	59.4	56.4	57.1	58.2	62.0	67.5	71.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	56.7	54.0	52.4	51.9	51.9	56.0	59.7	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	48.1	51.3	48.1	48.5	49.2	49.5	53.3	56.5	54.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.4	50.8	46.8	46.0	46.4	45.5	50.6	54.7	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	50.8	51.5	49.3	48.4	48.8	48.6	51.5	55.6	55.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.7	68.5	60.4	56.7	53.3	52.0	57.2	62.4	64.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.5	60.0	54.7	58.0	55.8	51.7	56.1	62.4	65.9	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 2:00am to complete installing storm drainage pipe and structures in the middle of Lake Washington Blvd over a weekend. Closure of Lake Washington Blvd is covered under TNV 6841261-NV.

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.

Site 9 exceedances are project related. Work covered under TNV #6841261-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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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, June 14, 2021 to Sunday, June 20, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
6/20/2021 - 3:20 a.m	To: Project Hotline From: Resident between site #9 & #10	During the MPPCNV Monitoring: Resident called to report a vibration complaint.	Bob Derry (Public Information Manager) answered the hotline call and "offered a hotel which resident declined. Her family was on the list of homes receiving hotel offers for this weekend's work. Bob called Gary Stensland and reported the complaint. Gary called James Gunther about it. James said the vibrations were coming from the crew compacting the trench, and there wasn't anything they could do to lessen the vibration levels."