

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 1, 2021** to **Sunday, March 7, 2021**

PUBLISHED MARCH 10, 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
- 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

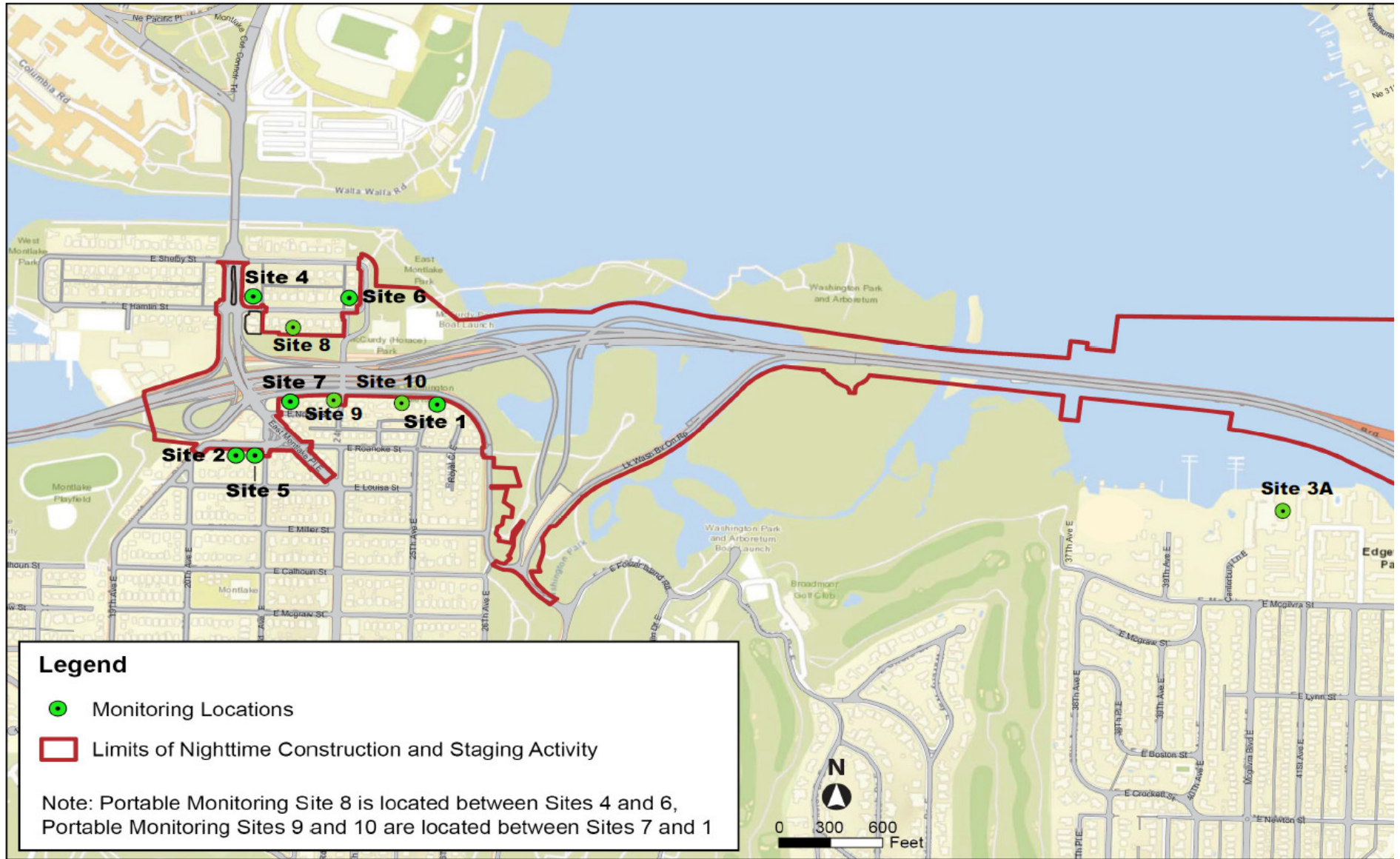
MPPCNV days to date: 570

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	1
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	33

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	210
Total Project related non-compliance	53
Total noise issue comments to the project	52
Total non-project related exceedances	2263

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, March 1, 2021 to Sunday, March 7, 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, March 1, 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	55.4	53.3	52.2	50.2	49.5	50.1	52.2	56.6	61.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.6	59.7	58.7	55.5	55.3	55.6	57.3	61.0	63.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.4	52.9	52.1	52.5	49.4	44.3	45.3	49.9	54.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	62.1	61.8	58.7	57.9	59.9	63.6	68.4	69.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	57.5	55.7	52.8	52.4	52.8	54.9	58.3	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.5	50.9	49.5	44.4	43.7	46.3	49.6	52.8	54.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	51.7	52.0	48.4	47.1	48.8	51.4	54.6	58.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.1	52.7	52.0	48.7	48.0	49.3	51.2	53.9	56.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.0	56.4	54.6	52.4	51.0	52.7	58.8	61.9	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.6	59.8	56.1	54.8	53.4	54.9	58.4	63.5	67.3	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 5:00am to set trestle platform, sled set up on the old West Approach Bridge South, also to work on diaphragms on span 1 over SR520.

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

~ = 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, March 1, 2021 to Sunday, March 7, 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, March 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	54.7	52.7	50.8	48.4	50.5	50.4	52.7	57.5	61.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	58.4	57.9	57.0	56.4	57.3	57.7	61.6	63.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.5	45.4	42.9	41.4	42.3	40.7	42.9	47.9	52.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	62.6	68.8	57.9	58.4	60.4	64.3	69.2	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	55.7	54.8	54.1	53.6	54.2	55.2	59.1	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	53.6	49.8	49.3	52.7	50.6	54.5	57.6	60.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	50.9	49.6	47.4	49.6	49.9	51.8	55.4	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.8	53.1	50.1	48.8	50.9	51.0	53.3	56.6	59.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.3	55.9	54.0	50.5	52.7	53.8	58.5	62.2	66.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.1	58.8	55.7	52.3	54.4	55.8	57.8	63.6	67.9	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 5:00am to set trestle platform, sled set up on the old West Approach Bridge South, also to work on diaphragms over SR520.

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, March 1, 2021 to Sunday, March 7, 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, March 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	58.5	54.0	53.1	51.8	50.4	51.0	52.5	57.8	60.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.6	59.0	58.3	56.8	54.7	56.6	57.0	62.0	63.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.6	47.9	45.6	44.5	41.4	41.9	45.2	49.8	53.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.4	63.5	60.2	58.9	58.5	59.4	63.3	68.3	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	56.7	55.4	54.4	52.6	53.5	54.6	59.9	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.4	53.8	52.0	51.1	51.0	49.9	52.7	55.9	59.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	51.9	51.1	49.6	47.9	49.6	52.1	55.7	59.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.9	53.4	51.5	51.4	50.1	50.2	52.7	55.7	59.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.5	57.8	55.6	53.7	52.0	54.2	57.8	62.9	66.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	58.5	57.5	55.2	53.9	57.5	57.6	64.0	67.1	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 5:30am to unload delivered casing, set trestle platform, sled set up on the old West Approach Bridge South, also to work on diaphragms over SR520.

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, March 1, 2021 to Sunday, March 7, 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, March 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	55.1	54.8	51.2	49.9	51.5	52.7	51.2	57.4	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.0	58.6	56.0	69.5	55.7	56.6	58.3	61.4	63.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.7	50.8	51.3	49.9	49.9	50.5	50.3	51.9	55.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	63.3	61.1	67.8	58.9	58.9	64.2	67.9	70.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	56.3	53.9	68.2	53.1	53.7	55.1	58.9	61.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.6	53.3	51.8	49.7	48.2	51.5	50.5	53.6	58.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	52.7	50.7	54.2	48.3	50.3	50.9	56.6	58.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.4	53.4	51.7	51.6	49.0	52.0	50.7	55.0	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.2	59.2	54.6	54.7	55.7	54.8	57.5	65.0	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.3	60.7	56.0	54.9	57.6	57.7	57.0	64.7	67.2	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 6:30am to set trestle platform, sled set up on the old West Approach Bridge South, to work on diaphragms and forms over SR520 and have crane delivery.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 5 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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SR 520 Montlake Project
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NOISE MONITORING - WEEKLY REPORT
Monday, March 1, 2021 to Sunday, March 7, 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, March 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	56.1	55.4	53.9	50.4	51.2	54.9	57.1	59.5	57.6	59.1	60.6
Site 2 - 2015 E. Roanoke St	78	60.1	60.8	54.8	52.7	51.0	50.8	50.8	55.0	58.0	59.7	61.0
Site 3A - 3810 E. McGilvra St	62	51.0	50.5	48.7	46.3	48.4	48.5	47.7	47.8	49.8	50.0	51.0
Site 4 - 2800 Montlake Blvd E	66	66.0	64.9	61.7	60.0	58.5	58.2	59.1	63.1	66.3	67.5	67.6
Site 5 - 2565 22nd Av E.	65	58.4	62.6	53.3	51.1	49.7	49.8	49.4	53.6	56.4	58.5	60.1
Site 6 - 2160 E. Hamlin St	63	56.7	57.6	50.9	47.8	51.3	51.6	49.6	52.2	53.4	54.8	56.5
Site 7 - 2209 E. Lake Wa Blvd	66	55.2	55.6	52.6	52.2	52.5	50.8	50.6	52.6	52.8	55.3	56.4
Site 8 - Portable Between Sites 4 and 6	63	56.1	54.8	49.6	47.6	49.2	47.7	48.4	52.0	52.5	56.0	57.5
Site 9 - Portable Between Sites 1 and 7	66	62.8	62.7	70.2	58.5	57.5	56.3	56.2	59.9	61.8	64.1	64.9
Site 10 - Portable Between Sites 1 and 7	66	63.5	63.4	66.3	59.0	58.1	58.4	58.8	62.4	63.1	64.4	66.4

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to unload delivered casing, set trestle platform, sled set up on the old West Approach Bridge South, to set girders over SR520, excavate on the south staging area, move barrier on the floating bridge/SR520 and work on sign bridge on the floating bridge and 24th ave.

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

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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, March 1, 2021 to Sunday, March 7, 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, March 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	55.1	54.3	55.1	54.7	53.1	55.6	58.4	57.9	57.0	56.1
Site 2 - 2015 E. Roanoke St	78	58.6	60.0	55.1	52.3	51.2	52.5	57.9	59.4	60.6	59.6	60.6
Site 3A - 3810 E. McGilvra St	62	44.4	37.3	39.2	38.1	48.8	48.0	47.6	52.9	49.4	51.0	58.2
Site 4 - 2800 Montlake Blvd E	66	65.6	66.7	61.6	58.2	57.1	58.6	61.2	64.2	67.3	66.7	67.0
Site 5 - 2565 22nd Av E.	65	57.1	56.9	53.9	51.3	50.5	52.1	55.8	58.2	58.3	57.5	59.4
Site 6 - 2160 E. Hamlin St	63	53.0	50.3	50.5	51.5	50.5	51.5	52.9	58.9	55.5	53.2	54.7
Site 7 - 2209 E. Lake Wa Blvd	66	53.9	52.5	51.8	50.3	48.5	50.5	55.9	57.2	54.4	54.5	55.3
Site 8 - Portable Between Sites 4 and 6	63	53.6	51.8	49.9	49.2	49.6	51.6	54.1	56.0	54.5	54.1	57.9
Site 9 - Portable Between Sites 1 and 7	66	64.4	63.5	66.6	64.8	55.5	56.5	60.7	62.0	63.1	63.2	62.2
Site 10 - Portable Between Sites 1 and 7	66	62.3	60.5	59.3	58.1	57.1	57.3	60.1	62.1	64.5	63.6	62.7

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to set girders over SR520, excavate/backfill at the south staging area, and work on the Montlake lid over SR520 setting forms/diaphragms.

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 exceedance is project related, it was caused by truck delivering the girder idling on 24th ave for an hour across the noise monitor. The truck needed to continue idling to keep the brakes pressurized, girder was the last to be lifted from 24th ave.

Non-Compliance:

None.

Legend

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Monday, March 1, 2021 to Sunday, March 7, 2021 10 pm to 7 am (weekdays) / 9am (weekends)

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Sunday, March 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	60.0	60.9	58.9	56.9	57.8	50.1	53.1	58.2	61.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.0	57.9	56.2	53.8	54.4	57.8	59.0	62.5	64.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	45.4	44.5	40.2	37.7	40.2	40.9	46.7	51.0	55.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	62.5	61.1	58.0	58.8	63.4	64.9	69.1	70.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.8	55.4	53.8	51.6	52.3	54.8	56.3	59.8	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.0	51.2	51.1	47.8	50.5	47.2	52.1	56.3	58.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	52.5	51.0	48.0	50.4	51.5	51.0	57.9	59.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	53.3	52.7	50.4	52.9	49.7	52.4	57.1	59.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.9	58.3	55.0	52.2	55.6	57.5	56.8	66.3	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.6	62.4	59.6	56.8	58.0	54.9	58.7	64.5	67.1	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 4:00am to backfill at the south staging area, and work on the Montlake lid over SR520 setting forms/diaphragms.

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

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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, March 1, 2021 to Sunday, March 7, 2021

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
		No noise related complaints.	