

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, November 2, 2020** to **Sunday, November 8, 2020**

PUBLISHED NOVEMBER 11, 2020

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: **451**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	5
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	30

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	129
Total Project related non-compliance	43
Total noise issue comments to the project	46
Total non-project related exceedances	1752

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, November 2, 2020 to Sunday, November 8, 2020 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, November 2, 2020												
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	53.3	52.0	49.4	47.8	49.7	48.2	51.1	55.8	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	56.1	54.7	53.0	53.0	53.1	55.6	60.9	63.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	42.0	43.7	41.4	39.6	42.9	42.3	42.0	45.8	48.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	69.6	62.0	60.3	57.9	57.3	58.4	63.7	67.6	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	54.6	53.5	51.6	51.9	51.7	54.0	59.3	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	53.1	51.8	48.4	50.1	49.6	52.2	55.1	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.9	51.8	48.7	47.3	48.1	47.3	50.5	54.4	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.8	53.6	52.5	51.6	52.9	51.9	53.1	55.7	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.8	56.4	53.2	51.0	53.7	51.3	54.0	61.7	67.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.5	58.2	53.8	52.6	53.3	51.8	54.9	62.2	67.0	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, 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, November 2, 2020 to Sunday, November 8, 2020 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, November 3, 2020												
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	61.6	53.0	50.4	50.4	49.1	50.6	52.5	57.2	59.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.1	57.7	56.5	54.4	52.9	53.8	57.5	61.0	63.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	40.6	40.3	38.5	43.6	39.5	40.8	43.1	47.3	47.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	68.3	63.3	60.8	59.9	58.1	59.8	64.6	69.0	71.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	56.0	55.7	54.6	51.8	52.3	56.3	59.1	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.7	52.0	49.6	49.6	48.5	50.1	52.5	56.8	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.8	53.8	52.1	51.4	50.0	51.2	53.3	57.6	59.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.0	55.1	52.8	53.3	53.7	53.4	56.3	58.9	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	68.6	60.8	57.4	57.7	56.2	63.6	60.6	64.7	67.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	71.6	60.4	57.0	57.0	56.0	57.7	59.6	64.2	67.5	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 6:30am to set structure at the North pit and demobilize equipment.

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, November 2, 2020 to Sunday, November 8, 2020 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, November 4, 2020												
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	53.3	53.2	51.4	51.3	48.6	51.5	56.0	58.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.6	57.1	57.2	53.9	53.6	53.5	56.8	60.5	62.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.8	52.6	52.5	51.9	49.4	47.7	47.9	49.2	48.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.6	63.6	66.2	59.6	59.0	58.5	64.2	68.2	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.1	55.6	55.2	52.4	52.3	52.0	55.1	58.8	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	60.1	58.7	58.2	54.1	56.2	54.6	55.7	58.1	58.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.8	52.5	51.6	49.6	49.6	49.5	51.3	55.1	57.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.2	57.7	57.9	55.3	56.5	55.0	55.5	57.5	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	58.6	56.7	54.6	54.5	54.4	56.5	62.9	64.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.1	58.8	56.2	54.0	53.4	53.1	57.0	63.3	65.8	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 6:00am to mobilize drill equipment and backfill at the North pit. 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

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, November 2, 2020 to Sunday, November 8, 2020 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, November 5, 2020												
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	52.9	51.9	51.3	51.4	50.4	53.5	58.4	61.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	58.0	55.9	54.5	54.3	55.8	59.9	64.0	65.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.3	42.6	42.5	37.9	37.8	41.5	47.4	49.6	53.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.0	62.5	59.2	58.2	58.3	60.4	63.2	68.3	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	56.3	54.3	52.7	52.5	54.1	58.5	62.4	63.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.8	49.0	49.3	45.3	44.5	44.9	49.5	52.4	55.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	52.6	51.4	50.5	49.7	48.8	51.3	56.5	58.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.9	54.4	53.2	50.8	50.8	51.3	53.4	56.1	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.7	57.9	56.4	57.4	57.6	57.0	56.5	63.9	67.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.5	59.1	57.3	58.6	59.8	56.6	56.7	64.2	67.4	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 the North pit.

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

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N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

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NOISE MONITORING - WEEKLY REPORT

Monday, November 2, 2020 to Sunday, November 8, 2020 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, November 6, 2020												
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	56.6	55.3	53.7	51.4	49.8	48.5	48.6	51.8	54.1	57.0	59.7
Site 2 - 2015 E. Roanoke St	78	62.3	61.7	59.7	57.9	56.5	56.5	55.2	57.1	60.1	63.3	64.7
Site 3 - 3810 E. McGilvra St	62	45.5	42.8	44.1	40.3	38.6	38.7	38.1	41.2	44.5	47.3	52.0
Site 4 - 2800 Montlake Blvd E	66	65.2	64.3	62.1	60.2	58.9	58.4	58.2	63.8	66.0	68.5	68.1
Site 5 - 2565 22nd Av E.	65	60.5	59.8	57.8	56.0	54.6	54.9	53.0	55.1	58.0	61.3	62.6
Site 6 - 2160 E. Hamlin St	63	55.6	57.2	54.1	52.2	52.0	49.8	50.2	50.7	50.9	55.3	59.2
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	55.9	54.0	51.6	50.6	50.3	48.6	50.9	53.7	56.4	59.4
Site 8 - Portable Between Sites 4 and 6	63	59.1	57.7	56.0	53.9	54.2	54.2	52.1	53.0	54.1	57.1	60.2
Site 9 - Portable Between Sites 1 and 7	66	62.3	61.4	59.4	57.1	55.3	54.9	57.0	57.6	61.8	64.4	65.5
Site 10 - Portable Between Sites 1 and 7	66	63.1	61.6	59.9	57.0	54.8	53.6	54.6	59.0	62.3	64.5	67.1

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 4:30am to shape soil freeze shaft walls at the North pit. Morning crew started work at 6:30am and 9:00am to set rebar at the pier 1, excavate at pier 3 and set up crane mats at the old West Approach Bridge South.

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 - 7:18am - Seattle City Light truck delivering light poles at the market had a pure tonal backup alarm. This incident was not consider the Design-Builder non-compliance.

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NOISE MONITORING - WEEKLY REPORT
Monday, November 2, 2020 to Sunday, November 8, 2020 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, November 7, 2020												
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	56.5	59.9	54.4	51.9	50.8	49.0	47.3	49.6	53.4	55.5	57.2
Site 2 - 2015 E. Roanoke St	78	61.6	61.3	59.1	56.8	55.5	54.3	52.4	54.8	59.1	60.8	61.4
Site 3 - 3810 E. McGilvra St	62	51.5	51.5	51.3	49.6	49.0	47.3	46.4	46.5	47.8	48.3	48.9
Site 4 - 2800 Montlake Blvd E	66	64.4	67.5	60.9	59.1	57.8	56.7	57.3	61.6	65.7	66.4	72.6
Site 5 - 2565 22nd Av E.	65	61.2	61.3	61.0	58.4	56.9	54.9	52.3	52.8	56.9	59.0	59.4
Site 6 - 2160 E. Hamlin St	63	51.3	53.0	50.6	49.0	47.5	45.7	43.8	49.5	53.3	56.2	56.8
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	54.5	52.1	49.2	47.7	46.6	45.9	48.5	53.0	54.8	57.1
Site 8 - Portable Between Sites 4 and 6	63	53.7	55.3	52.5	51.6	49.8	50.4	48.6	51.1	53.9	55.7	58.6
Site 9 - Portable Between Sites 1 and 7	66	61.2	60.7	58.3	56.0	54.0	53.0	50.9	54.4	64.6	60.8	62.8
Site 10 - Portable Between Sites 1 and 7	66	63.3	61.9	59.7	57.0	55.1	53.4	52.5	56.9	60.2	62.1	64.6
*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.

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Red = Noise Level Exceedance, project related

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Sunday, November 8, 2020												
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	52.0	48.5	48.6	50.4	57.8	55.9	55.9	57.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.2	57.7	54.2	56.0	52.8	54.1	56.8	60.8	61.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.0	46.8	46.4	46.5	46.2	46.2	46.9	48.1	48.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.8	62.3	59.2	61.5	56.2	59.5	63.1	68.2	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.3	55.6	52.0	54.1	50.6	51.9	54.7	58.9	59.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.0	53.2	47.7	50.0	49.5	51.8	54.9	55.7	57.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	51.9	48.2	49.0	47.4	48.7	52.7	54.6	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.8	54.5	51.5	52.5	51.8	51.9	54.3	55.8	57.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.9	57.4	53.9	55.7	56.3	53.5	59.5	62.2	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.4	57.9	55.7	53.7	55.0	58.1	59.5	63.4	66.2	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
Work: Design-Builder worked between 3:00am and 4:30am to deliver casings 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. Non-Compliance: None.												

Legend

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N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

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Monday, November 2, 2020 to Sunday, November 8, 2020

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

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