

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, November 23, 2020 to Sunday, November 29, 2020

PUBLISHED DECEMBER 2, 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: 472

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	2
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)	144
Total Project related non-compliance	46
Total noise issue comments to the project	48
Total non-project related exceedances	1840

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 23, 2020 to Sunday, November 29, 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 23, 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	52.9	52.0	51.5	48.5	51.7	50.0	55.1	56.0	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	59.4	56.1	55.6	56.3	55.5	57.7	60.5	61.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	43.2	41.3	39.9	37.5	43.2	38.1	40.3	45.4	48.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.5	61.6	59.5	58.0	58.8	59.2	63.0	68.4	67.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	57.8	54.1	53.4	54.2	53.0	55.7	58.5	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.2	52.8	50.6	49.3	51.4	49.5	51.0	55.3	57.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.5	52.0	51.0	50.3	52.0	49.9	53.2	56.4	58.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.7	54.4	54.1	54.4	55.4	52.9	54.4	57.4	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.1	57.9	59.2	55.8	55.5	54.2	59.0	64.4	74.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.4	59.3	60.4	56.4	56.6	57.0	61.1	63.8	66.6	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 6:00am to relocate fiber on Montlake Blvd, strip forms for pier 1, casing delivery and shape soil freeze shaft walls at 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

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 23, 2020 to Sunday, November 29, 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 24, 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	54.0	51.9	50.6	50.5	47.8	48.2	50.6	55.2	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	58.4	56.1	54.5	53.9	54.5	58.5	61.0	62.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	42.2	40.2	41.0	40.1	39.7	38.2	40.3	44.0	46.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	63.9	62.0	59.1	60.3	60.0	64.5	69.0	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	56.5	54.6	52.7	52.3	53.0	56.6	58.9	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.4	50.5	49.8	50.2	49.1	48.1	56.4	55.4	57.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	53.1	51.1	50.1	49.5	49.8	55.3	56.6	57.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	56.0	54.2	55.5	54.3	53.3	61.2	59.9	58.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.3	59.2	56.1	55.7	54.8	54.3	60.0	63.8	66.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.5	59.0	56.5	57.3	53.2	54.4	55.6	63.4	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 shape soil freeze shaft walls at the north pit and demobilized the drill rig to MOHAI

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 23, 2020 to Sunday, November 29, 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 25, 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	54.1	51.3	49.7	47.6	46.9	45.8	47.8	48.5	52.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.6	57.1	55.1	53.6	52.9	53.6	51.4	54.1	58.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	44.1	39.9	40.2	38.4	38.8	35.9	39.3	40.5	45.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	63.0	61.0	58.5	57.3	57.6	57.0	61.5	66.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.9	55.0	53.5	51.3	51.1	50.9	49.1	52.0	56.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	51.1	49.2	47.0	46.9	44.4	45.0	48.3	51.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.1	51.0	49.4	47.6	46.7	45.8	48.8	47.6	51.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	53.7	52.7	51.6	51.7	50.8	51.1	52.2	54.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.7	56.5	54.2	52.8	52.4	48.5	52.6	52.7	56.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.4	58.1	56.4	53.5	52.5	52.5	53.3	55.1	58.5	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, November 23, 2020 to Sunday, November 29, 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 26, 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	53.5	51.4	49.7	47.3	48.5	46.4	51.3	52.5	53.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.5	57.3	59.0	53.0	52.1	50.8	53.1	57.5	59.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	41.4	39.7	39.9	36.3	41.6	38.9	42.1	44.0	44.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	62.9	61.1	57.5	56.4	56.2	59.1	63.9	67.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.6	55.6	55.9	51.1	50.3	48.9	51.6	56.1	58.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.4	51.8	51.8	48.2	48.8	47.7	50.5	52.2	53.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.0	51.3	51.0	50.2	47.3	46.4	48.8	51.5	54.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.2	54.0	54.7	51.8	52.6	51.6	53.1	54.6	55.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.3	55.9	54.9	60.8	51.5	48.7	52.7	59.2	60.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.5	58.2	56.5	52.9	52.8	49.5	55.2	59.1	59.3	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, November 23, 2020 to Sunday, November 29, 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 27, 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	52.6	52.1	48.9	49.1	47.6	45.6	47.9	49.3	51.9	54.8	56.7
Site 2 - 2015 E. Roanoke St	78	58.3	57.9	55.8	54.5	52.3	51.1	52.9	55.7	58.5	59.8	60.8
Site 3 - 3810 E. McGilvra St	62	43.1	41.2	38.6	38.8	39.3	34.7	39.1	39.1	41.4	44.2	46.2
Site 4 - 2800 Montlake Blvd E	66	64.5	62.7	60.2	60.1	58.6	57.7	59.5	64.3	66.8	66.0	67.2
Site 5 - 2565 22nd Av E.	65	56.7	56.0	53.8	52.3	50.3	48.9	51.1	53.3	56.1	57.7	58.9
Site 6 - 2160 E. Hamlin St	63	54.2	52.5	47.7	47.6	47.6	44.5	46.5	47.5	49.5	52.5	55.0
Site 7 - 2209 E. Lake Wa Blvd	66	52.2	51.4	48.7	48.8	46.8	46.4	47.3	48.7	51.7	54.4	55.9
Site 8 - Portable Between Sites 4 and 6	63	55.2	53.7	52.0	51.7	51.8	50.9	51.8	52.6	53.5	55.9	57.2
Site 9 - Portable Between Sites 1 and 7	66	58.4	57.0	54.1	54.9	51.6	50.6	52.6	54.6	58.1	61.0	62.4
Site 10 - Portable Between Sites 1 and 7	66	59.9	58.4	54.6	55.1	52.5	51.1	53.3	56.5	59.3	61.9	63.9

*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, November 23, 2020 to Sunday, November 29, 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 28, 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	55.9	52.8	51.0	49.4	48.3	48.2	48.4	50.7	52.3	52.7	55.8
Site 2 - 2015 E. Roanoke St	78	60.1	57.3	55.9	71.3	53.4	52.4	57.9	57.3	57.9	59.0	60.2
Site 3 - 3810 E. McGilvra St	62	43.5	41.9	41.3	38.8	40.0	41.9	40.6	43.4	43.6	42.3	44.8
Site 4 - 2800 Montlake Blvd E	66	65.0	62.7	63.7	62.6	57.4	56.8	66.0	65.3	65.9	66.9	66.1
Site 5 - 2565 22nd Av E.	65	58.2	55.7	54.0	66.8	51.5	51.1	55.8	55.1	55.8	56.9	58.5
Site 6 - 2160 E. Hamlin St	63	56.1	50.8	50.0	47.7	47.6	48.0	46.7	50.0	48.5	49.4	52.2
Site 7 - 2209 E. Lake Wa Blvd	66	57.2	51.6	50.3	53.9	48.2	47.3	50.0	49.9	51.5	52.1	54.6
Site 8 - Portable Between Sites 4 and 6	63	57.4	53.9	53.3	52.8	52.0	52.3	52.0	53.9	53.1	53.5	55.2
Site 9 - Portable Between Sites 1 and 7	66	63.6	57.3	55.7	55.8	53.7	52.2	52.5	55.5	56.9	58.6	61.0
Site 10 - Portable Between Sites 1 and 7	66	61.1	59.3	56.9	56.0	53.5	52.2	53.0	56.1	58.7	60.3	63.3
*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 and 5 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 23, 2020 to Sunday, November 29, 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

Sunday, November 29, 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	55.3	53.4	49.8	48.4	51.8	56.2	55.2	56.7	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	58.7	54.8	54.8	54.2	60.8	61.6	61.0	62.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	45.4	42.9	41.3	44.2	48.1	57.1	56.2	50.2	52.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.9	62.4	59.8	59.1	58.9	62.9	66.9	69.8	71.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.8	56.7	53.0	53.8	54.4	61.2	61.0	59.0	61.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.2	54.5	51.6	50.5	51.7	54.4	55.1	57.7	60.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.5	53.0	49.4	48.6	50.5	56.4	55.4	56.3	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.9	55.8	53.0	53.1	54.4	57.1	56.5	57.4	60.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	58.1	54.5	55.4	54.7	57.9	58.9	63.5	67.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.6	58.3	54.9	51.7	54.4	57.9	58.9	64.3	68.1	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: No nighttime construction work performed.</p> <p>Public Comments: No public comments received related to nighttime noise.</p> <p>Exceedances: Site(s) 4, 9 and 10 are not project related. Exceedances are caused by public traffic driving by the noise monitors.</p> <p>Non-Compliance: None.</p>												

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 23, 2020 to Sunday, November 29, 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.	