

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, November 18, 2019** to **Sunday, November 24, 2019**

PUBLISHED NOVEMBER 26, 2019

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: **101**

WEEKLY TOTALS

Nights worked this week (under the MPPCNV)	5
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	42

PROJECT TOTALS TO DATE

Total Nights Worked (under the MPPCNV)	35
Total Project related non-compliance	8
Total noise issue comments to the project	19
Total non-project related exceedances	569

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 18, 2019 to Sunday, November 24, 2019 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 18, 2019												
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	53.2	49.6	53.2	53.6	54.5	53.6	58.1	62.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.1	58.8	56.2	58.5	57.8	59.3	60.0	63.9	66.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.8	49.1	46.0	49.7	52.1	52.9	50.9	49.6	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.8	64.4	61.6	62.6	61.7	62.5	65.7	68.4	71.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	56.8	53.8	58.3	57.0	56.2	56.9	60.8	63.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.3	55.1	51.9	53.2	52.1	46.6	48.6	51.6	55.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.3	53.8	50.3	52.4	52.4	50.7	52.4	56.8	61.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.0	55.3	51.5	53.1	53.3	49.4	51.9	55.2	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.7	56.8	53.8	56.0	57.1	57.4	58.9	63.6	68.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	57.9	55.3	50.8	56.2	56.3	63.0	58.3	63.2	67.9	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Span wire for 24th Ave signal.
Contractor worked between 10 p.m. and 2:20 a.m.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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 18, 2019 to Sunday, November 24, 2019 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 19, 2019												
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	58.2	54.8	53.2	50.6	49.5	52.4	52.9	57.4	61.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.0	61.4	59.3	57.6	56.5	56.5	59.6	63.4	65.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.3	47.3	46.3	46.2	46.3	46.6	47.5	49.9	52.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.5	64.7	62.1	60.2	59.3	60.0	64.7	69.7	70.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.5	58.6	56.7	55.4	54.8	54.2	57.3	60.8	63.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.9	56.9	54.9	50.0	49.4	49.6	50.9	54.6	56.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.1	55.9	54.1	51.5	50.6	51.6	52.8	57.5	61.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.4	57.2	54.9	51.3	50.4	51.2	52.7	57.1	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.8	59.8	58.3	56.2	55.8	57.7	58.0	63.1	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	58.4	57.4	54.2	53.0	59.8	58.2	62.9	67.4	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Span wire for 24th Ave signal.
Contractor worked between 10 p.m. and 3:10 a.m.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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

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

Monday, November 18, 2019 to Sunday, November 24, 2019 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 20, 2019												
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	55.5	51.9	49.9	48.6	49.4	52.7	56.4	61.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.1	61.1	58.7	57.2	61.6	56.9	58.8	62.3	64.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.4	47.8	46.7	46.0	45.8	45.9	46.7	48.6	50.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.8	67.1	62.1	59.9	68.5	59.3	64.5	67.6	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.6	58.4	55.9	54.6	56.7	53.8	55.8	59.7	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.6	55.2	53.1	51.7	51.8	47.2	48.2	51.4	53.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.0	56.8	52.5	51.1	52.1	49.4	52.7	55.9	59.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.5	58.1	53.7	51.8	53.7	49.1	50.9	53.4	56.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.9	60.8	56.3	55.0	59.1	53.3	59.8	61.9	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.1	58.1	56.2	54.4	52.7	57.1	60.2	64.6	67.1	N/A	N/A
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

24th Ave signal work.
Contractor worked between 10 p.m. and 3:40 a.m.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

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

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

Monday, November 18, 2019 to Sunday, November 24, 2019 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 21, 2019												
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	58.1	54.8	51.8	48.7	46.8	47.0	50.4	56.0	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.6	61.1	57.2	56.5	53.6	54.4	57.4	61.7	64.2	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.8	47.7	46.9	45.8	45.3	45.5	46.3	48.6	50.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.2	65.2	62.2	60.8	58.9	59.6	64.5	67.6	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.0	58.7	55.0	53.2	50.6	51.6	54.3	58.8	61.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.8	55.3	53.1	54.6	45.9	47.6	48.7	51.1	53.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.8	55.2	52.0	48.2	46.8	46.6	50.4	55.1	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.8	56.2	53.0	49.1	47.5	48.7	50.5	53.6	56.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.6	59.8	56.6	53.2	51.6	51.2	55.3	60.3	64.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.1	60.7	57.0	55.0	53.1	51.9	55.3	62.0	66.2	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Pedestrian crossing pavement markings at SR 520 on-ramps from Montlake Boulevard and SR 520 Trail crosswalk striping.
Contractor worked between 10 p.m. and 1:52 a.m.

Public Comments:

2:02 a.m. on Friday 11/22 an email complaint was received from a resident on East Hamlin Street about loud machine noise, crew talking, and back up beeping in the middle of the night/early morning. See public comment log for more details.

Exceedances:

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, November 18, 2019 to Sunday, November 24, 2019 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 22, 2019												
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	57.4	56.0	53.9	52.2	50.7	48.9	50.4	53.2	55.5	58.9	62.6
Site 2 - 2015 E. Roanoke St	78	62.7	61.3	60.1	57.7	56.1	55.5	57.5	58.9	59.6	61.6	63.5
Site 3 - 3810 E. McGilvra St	62	49.6	48.4	47.2	47.2	46.6	45.6	46.3	47.5	48.0	48.9	51.6
Site 4 - 2800 Montlake Blvd E	66	67.3	66.5	64.5	66.0	61.9	64.5	67.4	63.5	66.4	67.0	68.6
Site 5 - 2565 22nd Av E.	65	60.3	58.9	57.8	55.2	53.3	51.9	54.9	56.7	57.3	58.9	61.5
Site 6 - 2160 E. Hamlin St	63	55.9	54.9	52.0	54.5	51.1	48.4	50.2	53.5	56.8	55.9	66.0
Site 7 - 2209 E. Lake Wa Blvd	66	56.7	55.1	53.3	51.9	49.9	47.7	50.8	53.1	54.8	56.9	60.3
Site 8 - Portable Between Sites 4 and 6	63	58.7	62.2	54.4	54.2	51.6	49.1	53.0	54.2	56.9	56.6	59.4
Site 9 - Portable Between Sites 1 and 7	66	62.5	60.7	58.7	56.7	55.0	52.3	57.5	57.9	59.7	63.4	66.1
Site 10 - Portable Between Sites 1 and 7	66	63.8	62.5	59.5	56.5	55.0	51.8	53.0	58.3	60.8	65.8	69.1

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Nighttime construction work performed after 7 a.m.: North trestle pile installation and superstructure install on the West Approach Bridge South. Hauling material to and from the jobsite.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None.

Legend

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

Monday, November 18, 2019 to Sunday, November 24, 2019 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 23, 2019												
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	55.3	53.3	51.6	52.5	50.9	50.6	51.5	54.1	56.8	59.1
Site 2 - 2015 E. Roanoke St	78	62.0	60.6	59.3	58.6	58.5	56.6	55.6	58.8	59.8	61.5	64.0
Site 3 - 3810 E. McGilvra St	62	52.9	50.9	47.9	47.3	47.8	47.4	46.9	46.6	47.7	49.3	51.2
Site 4 - 2800 Montlake Blvd E	66	67.9	66.2	65.7	64.3	62.6	61.0	61.0	63.1	66.7	66.5	68.5
Site 5 - 2565 22nd Av E.	65	60.6	59.0	57.3	56.8	56.0	53.9	53.1	56.5	57.3	58.9	61.6
Site 6 - 2160 E. Hamlin St	63	60.9	58.4	56.1	52.6	48.9	51.7	49.9	53.5	56.1	58.9	58.7
Site 7 - 2209 E. Lake Wa Blvd	66	57.4	55.2	54.2	52.1	52.5	50.7	50.2	52.5	54.5	56.5	58.9
Site 8 - Portable Between Sites 4 and 6	63	60.6	57.4	55.6	52.9	51.2	52.5	50.0	54.2	56.7	58.1	59.2
Site 9 - Portable Between Sites 1 and 7	66	62.7	60.5	60.7	58.8	59.8	55.9	55.0	59.8	60.0	62.3	65.0
Site 10 - Portable Between Sites 1 and 7	66	63.8	61.9	60.0	57.4	58.8	55.0	53.7	55.8	60.0	63.0	66.2

*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:

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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Major Public Project Construction Noise Variance
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Monday, November 18, 2019 to Sunday, November 24, 2019 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 24, 2019												
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	52.4	50.6	47.2	48.2	49.3	52.4	57.0	61.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	58.1	56.5	54.1	54.4	56.9	61.1	62.5	70.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.9	46.5	45.9	45.3	46.3	46.3	47.9	49.7	51.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.0	64.0	60.8	59.5	58.7	59.9	64.8	67.6	71.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	55.6	53.6	51.5	51.8	53.8	59.0	59.8	70.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	52.4	47.3	44.2	48.6	48.3	49.3	51.7	54.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.2	52.4	50.1	46.7	47.2	49.6	52.1	55.9	60.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	53.5	50.4	47.2	50.0	49.9	52.0	54.4	56.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.6	57.6	54.9	51.6	51.4	54.6	57.3	61.2	65.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.5	59.0	55.5	52.1	50.4	52.2	56.8	62.5	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:

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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