

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 2, 2020 to Sunday, March 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, March 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	67dB	55.3	54.2	51.3	49.8	48.6	48.9	48.1	51.0	57.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	60.1	57.6	55.2	53.7	53.2	53.8	57.1	64.5	65.4	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	43.6	39.2	42.7	39.3	39.0	37.7	38.5	46.2	47.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	66.2	64.1	61.0	59.4	60.2	60.5	65.3	71.5	72.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	58.6	55.5	53.1	51.4	50.8	51.2	53.7	60.3	62.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	56.1	52.3	50.8	49.3	48.8	48.6	50.6	54.9	57.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	54.9	52.0	50.0	48.5	48.4	47.7	51.3	58.0	61.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	56.7	52.6	51.4	50.4	50.4	50.4	51.6	57.3	59.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	60.0	56.9	53.5	54.8	56.5	52.6	57.2	65.8	69.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	61.3	58.4	54.2	52.4	54.4	50.6	57.6	65.8	69.3	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:

5 Non-project related Exceedances were 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 2, 2020 to Sunday, March 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, March 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	67dB	55.5	52.1	50.0	47.2	47.1	48.7	50.4	56.8	60.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	59.9	58.9	56.4	54.4	53.1	52.8	56.2	61.0	73.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	49.1	43.8	42.3	38.8	38.7	42.1	40.7	46.0	48.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	66.7	64.3	61.3	59.4	59.0	58.3	64.3	68.3	71.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	58.9	56.8	54.4	51.9	50.2	50.8	53.1	58.2	69.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	58.6	54.1	52.0	47.5	46.3	49.5	51.5	56.0	59.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	55.8	52.6	50.5	48.1	46.8	48.5	50.8	56.6	61.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	58.8	54.4	53.0	49.3	48.0	50.3	51.6	56.4	59.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	61.4	57.6	55.2	54.7	51.4	52.5	55.1	62.2	67.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	62.3	59.2	55.5	53.0	52.9	52.5	55.4	63.5	67.4	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:

6 Non-project related Exceedances were 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, March 2, 2020 to Sunday, March 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, March 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	67dB	55.7	52.9	50.1	48.2	47.5	47.8	52.5	58.1	61.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	60.3	57.9	56.0	53.6	52.0	53.6	58.1	62.1	64.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	43.8	40.8	38.5	36.5	36.8	36.0	39.3	47.0	48.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	68.8	63.6	61.8	59.6	57.3	58.8	64.5	67.7	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	58.0	55.6	53.3	50.8	49.4	50.8	54.7	59.0	62.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	54.0	52.1	51.5	50.3	48.0	47.3	52.4	55.0	56.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	55.6	52.7	50.0	48.4	47.7	47.7	52.3	57.7	60.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	56.0	53.7	51.8	50.5	49.6	49.4	53.5	56.1	58.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	61.5	57.6	54.5	53.0	52.5	52.7	56.8	64.5	66.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	62.9	59.3	56.1	54.2	53.8	53.3	57.3	65.0	67.9	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:

5 Non-project related Exceedances were 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, March 2, 2020 to Sunday, March 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, March 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	67dB	56.5	56.5	55.7	53.7	52.9	53.6	53.9	58.1	62.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	62.3	62.1	61.1	59.7	59.1	58.5	59.5	63.0	65.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	49.3	54.2	55.9	54.0	53.5	53.5	51.0	52.7	51.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	68.8	67.5	65.6	63.4	63.3	62.6	66.7	70.2	72.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	60.5	60.9	60.3	59.7	59.0	57.3	57.2	60.6	63.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	53.0	52.7	52.7	50.2	50.8	52.6	52.3	54.3	55.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	56.9	55.7	54.9	52.7	51.9	52.6	53.3	57.9	61.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	56.0	55.3	54.3	52.0	52.6	53.8	54.0	56.7	58.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	64.2	61.3	59.2	56.9	55.6	56.5	59.8	64.9	69.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	64.8	62.3	59.3	57.6	56.0	56.4	59.3	65.3	69.7	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:

7 Non-project related Exceedances that were 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

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Monday, March 2, 2020 to Sunday, March 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, March 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	67dB	56.2	53.8	52.3	50.8	50.7	48.2	48.5	52.0	54.8	56.6	58.7
Site 2 - 2015 E. Roanoke St	78dB	60.5	59.2	58.1	57.3	56.4	53.4	53.9	57.5	59.1	68.1	68.7
Site 3 - 3810 E. McGilvra St	62dB	43.8	41.4	40.4	39.8	41.7	38.5	39.7	43.9	46.1	48.2	51.5
Site 4 - 2800 Montlake Blvd E	66dB	66.4	65.8	64.1	61.9	60.3	59.3	59.5	63.3	63.8	64.5	67.1
Site 5 - 2565 22nd Av E.	65dB	58.2	56.9	55.3	55	54.2	50.7	51.6	55.4	57.6	58.5	61.0
Site 6 - 2160 E. Hamlin St	63dB	54.5	53.6	51.7	50.8	51.9	48.4	49.5	52.9	54.9	57.3	63.4
Site 7 - 2209 E. Lake Wa Blvd	66dB	55.8	54.1	52.4	51.3	50.5	48	48.3	51.9	55.4	57.3	58.9
Site 8 - Portable Between Sites 4 and 6	63dB	56.3	54.6	53.3	52.2	52.6	49.3	50.1	53.6	55.5	58.3	60.4
Site 9 - Portable Between Sites 1 and 7	66dB	62.1	59.9	57.6	56	55.6	52.8	53.4	58.9	65.6	62.3	66.1
Site 10 - Portable Between Sites 1 and 7	66dB	63.4	61.5	59.2	56.9	56.5	53.6	54.3	58.4	62.5	63.4	66.4

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

The contractor arrived on site at 7:00 a.m. (3/07), and started working on the 54" Water Line North Excavation Pit and Heading 2.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

5 Non-project related Exceedances that were caused by public traffic driving by the noise monitors.

Non-Compliance:

None.

Legend

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Blue = Noise level exceedance, not project related

~ = No Data Available

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Monday, March 2, 2020 to Sunday, March 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, March 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	67dB	56.7	56.3	53.5	52.8	51.5	49.8	50.8	52.5	54.0	56.8	58.1
Site 2 - 2015 E. Roanoke St	78dB	68.9	67.9	65.2	68.9	63.8	62.5	62.5	66.1	67.4	68.3	68.6
Site 3 - 3810 E. McGilvra St	62dB	46.1	45.1	42.8	44.1	43.5	40.4	42.4	42.9	45	47.9	47.5
Site 4 - 2800 Montlake Blvd E	66dB	68.2	66.2	63.1	62.6	61	60.7	62.2	66	66.5	68.1	68.2
Site 5 - 2565 22nd Av E.	65dB	60.2	58.6	55.6	70.3	53.9	52.2	52.7	56.1	57.9	59.7	60.3
Site 6 - 2160 E. Hamlin St	63dB	53.2	52.1	51.8	51.3	50.4	49.4	49.1	53.1	53.6	54.4	55.9
Site 7 - 2209 E. Lake Wa Blvd	66dB	56.5	55.9	52.8	55.2	51	49.3	51.3	53.1	54.7	56.2	58.2
Site 8 - Portable Between Sites 4 and 6	63dB	56.9	55.1	53.2	54	52.2	50.4	50.2	54.3	55	57.3	57.6
Site 9 - Portable Between Sites 1 and 7	66dB	62.5	62.8	58.5	58	56	54.4	56.2	58.3	59.9	62.1	67.5
Site 10 - Portable Between Sites 1 and 7	66dB	64.5	63.4	60.4	58.5	57.3	55.3	56.9	58.9	61.4	64.1	66.6

*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:

8 Non-project related Exceedances that were 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

Blue = Noise level exceedance, not project related

~ = No Data Available

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The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Sunday, March 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	67dB	54.8	52.5	51.1	50.0	49.8	53.1	57.4	60.3	50.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78dB	66.4	65.3	63.1	62.9	63.0	66.9	67.7	63.9	65.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62dB	44.9	44.4	43.7	42.7	42.7	43.9	47.6	48.1	50	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66dB	63.9	61.8	60.8	59.9	60.4	64.8	67.9	70.1	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65dB	57.7	56.1	54.1	52.6	52.7	56.6	59.9	61.4	62.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63dB	55.1	53.4	50.8	51.5	50.5	52.2	55.4	54.1	54.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66dB	54.5	52.4	50.9	49.2	50.9	52.7	57.5	59.4	61.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63dB	55.2	53.3	51	51	50.8	53.3	56.4	55.8	58	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66dB	62.9	57.2	57.2	53.9	57.7	57.9	64.1	65.9	69	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66dB	60.8	57.8	56.7	54	54.6	58.8	64	67	69.7	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:

6 Non-project related Exceedances that were 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

