

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, March 16, 2020** to **Sunday, March 22, 2020**

PUBLISHED MARCH 25, 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: 220

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	19

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	74
Total Project related non-compliance	17
Total noise issue comments to the project	23
Total non-project related exceedances	1257

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 16, 2020 to Sunday, March 22, 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 16, 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	54.8	52.6	51.3	49.3	49.6	49.5	52.3	56.9	60.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	58.8	56.9	55.5	55.3	55.1	58.3	61.0	64.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	40.1	39.9	39.8	36.3	36.8	37.3	40.4	48.4	47.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.0	63.0	60.5	59.1	58.4	59.6	64.3	67.7	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	56.1	54.2	53.1	52.8	52.8	55.5	58.2	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.2	53.7	51.4	50.1	50.1	49.8	52.9	55.1	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	52.4	51.0	48.9	48.4	48.4	51.9	55.9	59.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.1	53.4	51.5	50.1	50.1	50.1	53.0	55.8	57.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.1	56.8	56.4	53.2	52.8	53.1	57.0	63.1	65.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.5	57.8	56.9	53.5	53.2	52.8	57.2	63.2	66.5	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:

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 16, 2020 to Sunday, March 22, 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 17, 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	52.3	52.1	49.9	49.6	49.8	52.3	55.9	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	58.4	57.4	55.3	54.7	54.6	57.3	60.5	64.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	40.4	41.2	40.0	38.1	38.0	39.3	39.6	41.4	46.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	62.9	60.2	59.0	58.5	60.4	64.0	67.2	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	55.8	54.8	53.0	52.3	52.5	54.3	57.6	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	51.4	52.0	50.5	49.8	50.2	52.1	53.6	56.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	51.8	50.8	48.8	48.1	48.4	51.8	56.3	59.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.4	51.9	51.7	50.5	50.0	50.9	52.8	54.8	57.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.6	57.5	55.9	53.2	53.3	52.5	57.2	61.9	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.9	58.3	56.4	53.6	53.0	53.4	57.3	62.7	66.8	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.

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 16, 2020 to Sunday, March 22, 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 18, 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	53.6	51.5	48.5	49.3	48.9	51.9	56.7	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	58.1	56.0	54.8	53.6	55.1	57.7	61.8	63.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	41.2	42.0	39.4	36.2	38.6	35.6	39.4	46.3	47.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	62.8	60.5	58.9	57.5	60.1	63.6	67.4	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.7	55.6	53.5	52.0	51.5	52.2	54.5	59.0	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.3	54.7	52.6	49.2	49.9	49.8	52.2	56.3	56.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.9	52.8	50.7	48.1	47.9	47.9	51.2	56.1	59.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.5	54.5	52.6	48.9	50.5	49.9	52.3	56.8	57.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.3	57.9	55.9	52.5	52.3	51.7	56.6	62.2	66.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.0	59.7	56.8	52.1	53.0	51.2	56.8	62.7	66.5	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:

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, March 16, 2020 to Sunday, March 22, 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 19, 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	56.1	52.1	50.2	49.2	48.9	49.6	52.3	56.4	59.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.0	59.8	57.2	56.4	54.1	55.5	58.6	63.0	63.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	44.9	42.5	39.4	38.2	35.5	38.4	39.6	45.8	47.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.3	62.7	60.5	58.5	56.4	60.7	63.5	67.7	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.1	57.5	55.0	54.3	51.6	53.0	55.8	60.4	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.0	51.6	49.2	48.6	49.2	50.0	52.7	55.0	56.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	62.3	60.2	57.3	56.8	55.1	57.3	59.0	66.0	65.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.3	52.7	51.0	49.4	49.1	51.1	52.8	56.8	57.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.7	56.8	54.2	53.3	52.6	53.1	56.1	62.0	65.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.4	57.7	55.2	53.2	52.8	53.4	56.7	62.5	66.6	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.

N/A = Time Period not applicable to MPPCNV

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 16, 2020 to Sunday, March 22, 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 20, 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	51.6	50.0	48.3	47.8	48.1	48.2	51.8	55.7	57.1	57.2
Site 2 - 2015 E. Roanoke St	78	58.3	57.0	55.4	54.3	51.6	53.0	53.5	56.7	58.3	60.3	60.1
Site 3 - 3810 E. McGilvra St	62	43.7	40.6	36.5	35.3	35.6	35.5	34.2	42.6	43.4	44.9	45.8
Site 4 - 2800 Montlake Blvd E	66	63.5	62.2	59.9	58.4	57.1	57.0	57.8	62.0	66.9	66.4	65.8
Site 5 - 2565 22nd Av E.	65	56.1	54.8	52.9	52.1	49.2	50.6	51.0	54.2	55.8	57.6	58.4
Site 6 - 2160 E. Hamlin St	63	52.0	49.5	46.6	46.4	47.1	49.3	46.8	51.7	55.4	55.6	57.0
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	50.8	49.1	47.1	45.9	46.1	46.5	51.0	54.5	57.4	57.0
Site 8 - Portable Between Sites 4 and 6	63	53.7	51.9	49.0	49.1	47.6	48.6	48.3	52.2	54.3	56.4	57.0
Site 9 - Portable Between Sites 1 and 7	66	58.0	56.3	54.4	51.8	50.7	50.0	50.4	56.6	62.9	64.0	63.3
Site 10 - Portable Between Sites 1 and 7	66	59.3	58.0	56.3	52.6	51.4	50.3	51.1	57.6	65.4	64.5	64.1

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Contractor worked after 7:20am:
- Graham set up for Saturday morning work in the SR520 median, including Pier Wall form/close/pour, and reinforcing install.
- American Bridge set up for Saturday morning work on the old SR520 Eastbound bridge Trestle – drive and erect spans, drive and erect to start at 9am.

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

Monday, March 16, 2020 to Sunday, March 22, 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 21, 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	53.9	53.5	51.9	49.5	47.6	47.5	46.5	49.2	54.2	57.0	57.9
Site 2 - 2015 E. Roanoke St	78	60.4	59.3	57.1	55.0	52.7	53.0	51.7	54.3	65.7	58.4	59.7
Site 3 - 3810 E. McGilvra St	62	43.3	42.3	39.2	36.0	33.4	39.7	37.9	38.7	41.1	42.0	46.2
Site 4 - 2800 Montlake Blvd E	66	63.5	62.6	60.9	58.6	57.0	56.5	56.1	61.0	67.9	65.2	65.3
Site 5 - 2565 22nd Av E.	65	58.0	56.8	54.6	52.2	50.7	51.5	49.7	51.6	57.2	55.8	58.1
Site 6 - 2160 E. Hamlin St	63	54.9	55.1	53.1	50.3	49.1	49.5	48.2	50.2	54.3	54.3	54.5
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	53.3	51.1	49.0	47.1	47.4	46.4	49.0	54.6	54.0	55.5
Site 8 - Portable Between Sites 4 and 6	63	54.5	54.8	52.8	50.4	49.0	50.7	49.3	50.9	54.1	56.0	56.5
Site 9 - Portable Between Sites 1 and 7	66	58.4	59.0	55.7	54.0	51.4	51.8	50.6	53.6	60.9	59.6	62.3
Site 10 - Portable Between Sites 1 and 7	66	59.6	58.4	56.7	55.5	52.2	52.1	50.6	55.0	61.9	61.2	63.9

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Contractor worked after 7:20am:
- American Bridge set up for Sunday morning work on the old SR520 Eastbound bridge Trestle – drive and erect spans, drive and erect to start at 9am.

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

Monday, March 16, 2020 to Sunday, March 22, 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, March 22, 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	52.2	50.5	50.5	48.8	47.7	46.9	49.5	53.6	56.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.5	55.4	54.0	52.2	49.7	51.0	55.9	59.4	62.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.0	46.8	47.3	46.3	46.7	45.7	46.2	47.1	47.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.4	61.1	59.3	57.9	57.1	58.2	63.7	67.5	69.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.1	54.1	52.6	50.0	48.3	49.3	53.9	56.9	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.7	52.0	51.4	49.1	48.6	48.2	51.7	55.5	57.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	50.5	49.5	46.7	45.3	48.2	50.0	53.6	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.9	53.2	52.7	50.7	50.1	48.6	52.2	55.8	56.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.8	58.9	54.2	52.0	50.8	53.6	57.9	60.5	63.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	57.9	55.7	54.4	52.5	51.0	49.8	56.9	61.1	64.7	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:

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, March 16, 2020 to Sunday, March 22, 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.	