

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, July 27, 2020** to **Sunday, August 2, 2020**

PUBLISHED AUGUST 5, 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: 353

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	1
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	18

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	90
Total Project related non-compliance	23
Total noise issue comments to the project	33
Total non-project related exceedances	1493

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, July 27, 2020 to Sunday, August 2, 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, July 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	55.3	52.2	49.8	46.1	46.2	46.4	50.0	55.1	58.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.0	57.6	55.6	53.9	52.9	53.5	57.0	61.1	63.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	50.9	50.3	50.0	44.3	47.5	43.3	44.6	45.4	47.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.4	61.5	59.9	57.6	56.2	57.5	64.1	67.0	70.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.3	55.7	53.6	51.8	51.5	51.1	55.1	58.7	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.8	51.2	46.6	44.0	42.0	42.3	48.6	51.1	53.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.0	49.7	47.3	44.9	44.0	44.7	48.4	53.1	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.7	50.6	50.7	45.9	44.9	45.6	50.8	52.2	55.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.7	56.0	53.2	48.8	49.4	50.3	53.4	63.4	65.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.0	57.9	54.7	49.2	51.8	51.6	54.2	62.4	65.8	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:

Site #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, July 27, 2020 to Sunday, August 2, 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, July 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	56.2	54.8	49.7	48.2	55.1	47.4	55.0	56.0	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.3	57.8	55.4	53.1	52.9	58.3	57.8	60.6	63.2	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	51.6	49.7	46.0	43.6	44.1	43.4	45.0	45.9	48.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.9	62.5	58.6	57.0	60.5	59.0	63.4	67.2	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.4	55.7	53.4	51.0	50.9	55.1	55.6	58.3	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.3	49.1	44.9	45.3	45.0	43.3	48.9	50.8	53.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	51.1	49.0	46.4	51.4	49.2	53.0	53.3	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.9	51.4	48.1	47.3	47.9	48.2	50.8	52.5	54.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.2	58.3	54.9	52.0	61.8	56.4	60.7	60.4	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.3	59.4	54.9	52.9	64.0	51.9	62.7	62.3	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:

Site #4, site 9 and site #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, July 27, 2020 to Sunday, August 2, 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, July 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	57.3	53.6	52.4	47.9	50.7	48.2	52.8	56.3	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	57.8	55.2	53.5	53.1	53.7	57.9	61.4	65.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.8	48.1	44.0	43.7	44.4	43.6	44.8	46.2	49.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	62.5	59.5	57.7	56.1	58.5	63.2	67.1	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.8	55.8	53.6	51.3	50.8	51.6	55.9	59.5	63.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.6	50.3	46.7	45.2	46.8	46.2	49.9	50.5	52.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.6	51.0	49.2	46.0	48.0	46.8	51.3	53.0	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.5	50.9	49.5	47.8	48.2	47.0	50.8	52.8	55.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	57.5	57.1	52.0	55.4	55.1	56.6	61.6	67.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.8	59.4	59.6	51.9	53.8	52.1	57.5	62.3	66.2	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 #4, site #9 and site #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, July 27, 2020 to Sunday, August 2, 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, July 30, 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	55.4	52.8	51.3	46.9	45.8	46.9	49.4	54.6	58.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	61.8	55.5	53.2	54.1	52.6	55.6	60.3	62.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	51.5	49.0	47.5	47.2	42.9	44.6	43.5	44.8	47.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	62.6	68.1	56.7	56.8	57.8	61.7	66.6	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.4	60.2	54.5	51.0	51.5	50.5	53.3	58.0	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.8	47.8	50.4	45.5	42.1	43.7	45.5	51.4	53.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	51.5	49.4	44.8	43.9	45.3	47.5	52.5	55.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.1	49.9	50.4	46.6	45.3	46.0	47.6	50.9	54.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.0	58.3	56.3	49.7	48.4	49.7	52.9	62.4	63.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.1	58.9	56.7	51.4	49.3	51.4	54.0	62.4	65.5	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 #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

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SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, July 27, 2020 to Sunday, August 2, 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, July 31, 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	55.8	54.5	51.0	48.0	45.9	44.5	48.4	51.6	52.5	54.7	56.7
Site 2 - 2015 E. Roanoke St	78	62.1	59.1	57.0	54.6	52.1	50.4	52.2	56.1	57.8	59.0	60.7
Site 3 - 3810 E. McGilvra St	62	50.3	48.2	43.3	43.1	43.2	42.7	43.9	45.0	45.8	48.3	48.8
Site 4 - 2800 Montlake Blvd E	66	69.4	65.7	63.0	59.0	56.8	55.1	56.2	58.3	60.3	59.1	64.8
Site 5 - 2565 22nd Av E.	65	60.4	57.6	54.8	52.6	50.1	48.3	50.7	54.4	55.8	57.0	58.9
Site 6 - 2160 E. Hamlin St	63	50.7	49.4	45.2	43.8	43.6	41.1	46.6	50.8	51.8	52.9	55.1
Site 7 - 2209 E. Lake Wa Blvd	66	54.1	50.8	48.2	46.3	44.0	42.0	46.0	50.4	51.8	54.3	55.9
Site 8 - Portable Between Sites 4 and 6	63	52.8	51.0	47.9	45.6	45.7	42.6	48.5	51.4	51.7	52.2	55.1
Site 9 - Portable Between Sites 1 and 7	66	60.8	56.5	53.9	51.6	48.4	47.3	52.5	56.7	57.6	60.1	63.4
Site 10 - Portable Between Sites 1 and 7	66	61.7	58.6	56.1	53.3	50.2	50.0	54.6	58.4	59.1	61.5	63.6

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 6:30 a.m. and 9:00 a.m. to install electrical conduit.
The WSDOT Bridge maintenance crew working on the Montlake bridge used vector trucks with tonal backup alarms, not Project related.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site #4 are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None.

Legend

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Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

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= 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, July 27, 2020 to Sunday, August 2, 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, August 1, 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	55.6	55.0	52.4	49.6	48.5	47.8	47.4	49.5	52.3	53.3	55.5
Site 2 - 2015 E. Roanoke St	78	60.8	58.8	56.9	60.0	53.0	51.5	54.5	54.8	57.1	58.9	59.9
Site 3 - 3810 E. McGilvra St	62	46.3	44.9	43.8	43.3	43.6	44.1	43.4	43.5	46.2	47.1	47.4
Site 4 - 2800 Montlake Blvd E	66	64.3	62.2	60.2	60.0	56.8	55.8	56.0	59.9	63.4	69.6	64.0
Site 5 - 2565 22nd Av E.	65	58.8	56.6	54.7	56.6	51.2	49.9	54.2	52.7	55.2	57.1	58.3
Site 6 - 2160 E. Hamlin St	63	50.4	50.1	48.9	45.5	44.4	46.8	46.1	46.5	49.5	52.3	53.6
Site 7 - 2209 E. Lake Wa Blvd	66	52.9	52.3	49.9	49.2	46.6	45.6	45.5	47.7	50.1	52.5	53.5
Site 8 - Portable Between Sites 4 and 6	63	51.8	51.9	50.6	49.3	46.9	48.3	47.3	47.6	50.6	52.6	53.7
Site 9 - Portable Between Sites 1 and 7	66	59.5	59.7	55.8	53.7	52.5	50.5	51.1	52.7	56.8	60.3	61.8
Site 10 - Portable Between Sites 1 and 7	66	61.5	61.2	57.7	55.8	53.9	51.2	52.1	55.6	58.7	59.6	62.9
*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 #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).

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, July 27, 2020 to Sunday, August 2, 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, August 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	56.4	52.6	49.9	46.2	46.8	46.0	47.9	54.2	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.3	57.5	53.8	52.9	52.3	52.3	55.1	59.5	62.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	50.4	50.1	43.2	42.8	43.5	43.4	43.4	44.5	47.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.6	63.5	57.8	56.7	57.8	58.0	62.1	66.8	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.3	55.9	52.0	50.9	50.6	51.0	52.8	57.2	59.9	60.2	N/A
Site 6 - 2160 E. Hamlin St	63	50.5	48.6	44.5	43.0	44.9	47.0	47.8	51.5	52.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.8	50.5	47.3	44.2	44.9	44.6	48.2	52.6	56.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.2	50.9	47.1	45.1	46.6	48.6	48.9	51.7	53.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.9	56.8	53.7	49.1	50.6	49.4	54.5	60.8	65.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.9	57.7	55.5	51.0	51.5	50.2	53.0	61.9	66.3	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 #4 and site #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).

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, July 27, 2020 to Sunday, August 2, 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.	