

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, December 7, 2020** to **Sunday, December 13, 2020**

PUBLISHED DECEMBER 16, 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: **486**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	31

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	157
Total Project related non-compliance	47
Total noise issue comments to the project	50
Total non-project related exceedances	1901

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, December 7, 2020 to Sunday, December 13, 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, December 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	67	52.6	52.0	49.7	48.5	49.2	51.5	53.7	58.0	59.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.5	56.4	54.9	53.0	53.5	53.6	56.5	60.5	62.2	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.5	49.1	51.0	51.4	47.4	46.0	47.4	55.4	55.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.3	64.6	60.8	60.2	60.9	60.5	65.1	69.3	70.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.0	54.8	53.3	51.3	52.3	52.4	54.6	58.8	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.0	52.0	50.6	48.6	49.4	51.5	54.2	59.5	59.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.6	51.6	50.5	49.4	50.0	51.3	54.2	56.2	58.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.3	51.9	49.8	47.6	50.2	52.4	55.4	60.0	59.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.8	57.0	56.1	53.3	55.7	58.0	59.2	64.1	66.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.7	59.0	55.4	54.2	56.4	59.5	60.7	64.4	66.3	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 strip pier 1, material delivery, excavate in the old canal, set up for day work.												
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, December 7, 2020 to Sunday, December 13, 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, December 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	67	59.8	55.1	52.5	50.1	48.6	50.2	53.8	57.1	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	57.6	55.2	54.0	54.1	53.8	57.3	60.3	62.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.7	49.6	48.8	48.5	48.8	48.0	49.2	50.8	52.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.5	64.1	61.6	60.8	59.1	59.8	66.3	68.8	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.7	56.0	53.8	52.1	51.7	52.5	54.4	58.3	60.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.0	52.1	50.9	45.8	45.2	46.3	50.2	54.9	57.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.3	54.0	52.1	49.2	51.2	50.2	52.7	56.6	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	52.6	51.8	47.2	47.6	47.9	51.3	55.5	56.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	69.8	60.7	56.6	55.7	54.2	54.3	56.4	64.1	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	69.9	61.3	57.1	57.5	53.6	54.7	57.9	64.8	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 strip/form pier 1, casings delivery, set up for day work.

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, December 7, 2020 to Sunday, December 13, 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, December 9, 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	55.7	54.6	52.5	51.4	50.0	52.1	53.0	57.9	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	58.5	56.3	53.5	51.4	52.2	56.4	61.1	62.8	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	46.9	46.0	44.5	46.4	43.0	42.6	46.0	50.5	54.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	63.9	60.6	66.4	57.2	58.2	63.7	68.3	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.5	56.3	54.3	51.3	49.5	50.4	54.8	59.4	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	53.3	51.8	48.0	45.0	48.7	51.6	53.6	55.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	54.1	50.9	50.1	49.1	49.7	51.7	55.7	58.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.1	53.7	51.0	48.6	47.1	49.7	53.1	54.4	55.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	58.9	55.7	55.3	53.7	55.5	55.2	63.4	65.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	60.4	57.5	54.0	55.1	56.3	56.1	64.3	67.1	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 strip/form pier 1, work on the bridge, set up for day work.												
Public Comments: No public comments received related to nighttime noise.												
Exceedances: Site(s) 4 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, December 7, 2020 to Sunday, December 13, 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, December 10, 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	55.5	53.1	50.5	49.0	50.5	50.5	50.7	56.6	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.3	57.3	55.4	54.5	55.0	54.5	56.9	60.2	62.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	46.5	47.9	43.0	40.6	44.9	43.4	44.2	48.8	54.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.6	63.8	61.2	59.6	59.3	60.4	63.8	68.9	70.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.6	55.1	53.4	52.2	52.8	52.1	54.7	58.0	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.6	52.1	49.2	49.0	51.1	49.8	51.6	56.3	57.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	52.1	49.7	49.4	50.3	50.5	52.1	55.5	57.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.4	51.6	48.9	48.8	51.0	50.7	52.3	55.2	57.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.1	57.2	55.1	54.0	54.5	53.5	56.8	63.4	65.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.8	58.6	55.0	53.7	54.6	54.0	54.9	64.6	66.5	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 strip/form pier 1, casing delivery/unload, work on the bridge, set up for day work. Public Comments: No public comments received related to nighttime noise. Exceedances: Site(s) 4 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

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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, December 7, 2020 to Sunday, December 13, 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, December 11, 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	56.9	55.1	53.0	50.6	50.2	50.8	49.9	53.6	54.8	56.5	58.8
Site 2 - 2015 E. Roanoke St	78	60.7	59.6	56.9	55.2	53.9	53.1	52.1	56.6	58.5	65.9	61.5
Site 3A - 3810 E. McGilvra St	62	49.5	48.0	49.4	46.3	46.7	47.3	46.4	46.5	48.7	52.5	55.5
Site 4 - 2800 Montlake Blvd E	66	65.7	63.9	62.0	60.4	59.9	59.3	58.9	64.5	66.8	67.8	67.7
Site 5 - 2565 22nd Av E.	65	58.7	57.4	55.0	53.6	52.5	51.6	50.2	54.8	56.3	65.2	59.7
Site 6 - 2160 E. Hamlin St	63	56.7	53.9	50.4	47.8	47.4	46.7	45.5	49.0	51.4	51.4	52.8
Site 7 - 2209 E. Lake Wa Blvd	66	55.4	54.2	51.3	49.6	47.9	47.8	46.4	51.5	53.3	55.6	57.1
Site 8 - Portable Between Sites 4 and 6	63	57.9	60.5	51.1	49.0	48.8	46.9	46.0	51.1	52.8	53.0	55.3
Site 9 - Portable Between Sites 1 and 7	66	61.9	59.8	57.7	54.6	53.1	53.3	52.3	60.5	60.0	61.6	63.7
Site 10 - Portable Between Sites 1 and 7	66	62.7	60.8	59.8	55.7	54.7	55.4	55.3	60.5	61.8	63.0	65.5

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to work on the bridge, install rebar at pier 1 and 3 set up for day work.

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

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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, December 7, 2020 to Sunday, December 13, 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, December 12, 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	55.2	55.0	52.9	54.1	52.1	50.7	53.2	55.6	57.0	57.1
Site 2 - 2015 E. Roanoke St	78	65.9	60.6	58.0	59.3	55.8	54.5	54.5	56.2	59.6	61.5	61.0
Site 3A - 3810 E. McGilvra St	62	50.6	49.2	48.1	49.7	49.1	47.4	44.9	47.0	50.0	51.7	50.2
Site 4 - 2800 Montlake Blvd E	66	66.5	63.5	62.5	66.7	62.5	60.2	61.0	63.1	66.2	66.3	66.9
Site 5 - 2565 22nd Av E.	65	65.4	58.8	56.1	57.0	54.3	53.4	52.3	54.5	57.7	59.1	59.0
Site 6 - 2160 E. Hamlin St	63	54.0	53.4	57.0	53.8	54.6	53.4	51.5	54.8	54.5	54.6	53.6
Site 7 - 2209 E. Lake Wa Blvd	66	56.2	54.1	53.7	52.0	52.9	51.6	50.2	52.5	55.4	56.6	56.0
Site 8 - Portable Between Sites 4 and 6	63	55.2	53.9	55.6	52.7	53.3	53.3	50.8	54.0	55.2	55.1	55.4
Site 9 - Portable Between Sites 1 and 7	66	61.0	60.0	60.1	56.9	56.8	55.8	55.8	57.4	60.2	61.3	62.6
Site 10 - Portable Between Sites 1 and 7	66	62.1	61.0	59.5	59.9	56.9	55.3	55.2	57.6	60.1	61.6	64.1

*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

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= No contract work . Portable monitors are not being used (not needed).

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Monday, December 7, 2020 to Sunday, December 13, 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, December 13, 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	51.8	52.4	48.8	49.4	50.4	52.7	56.6	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	56.5	55.7	55.0	51.5	53.3	57.6	60.8	62.8	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.2	44.7	47.7	42.4	42.4	42.4	44.8	48.4	51.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.4	62.7	61.0	60.5	58.9	60.6	65.0	69.5	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.8	55.0	54.3	52.9	50.1	51.6	55.0	58.6	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.9	53.1	53.8	48.7	48.9	48.1	50.7	53.2	55.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	51.6	52.8	48.2	47.1	47.6	50.9	55.6	58.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.6	55.0	54.4	47.7	48.4	48.9	50.8	54.3	56.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.5	56.4	57.5	55.1	52.0	55.1	56.5	63.4	65.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.4	57.1	56.7	54.7	53.7	53.6	57.3	64.1	67.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 3:00am and 7:00am for casings delivery and set up for day work.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 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

n

= 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, December 7, 2020 to Sunday, December 13, 2020

10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)

Public Comment Log			
Date / Time	To/From	Issue	Resolution
		No noise related complains.	