

SR 520 Montlake Project

TRUE

Monday, February 17, 2020 to Sunday, February 23, 2020

PUBLISHED FEBRUARY 19, 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: 192

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	3
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	38

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	68
Total Project related non-compliance	17
Total noise issue comments to the project	23
Total non-project related exceedances	1126

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, February 17, 2020 to Sunday, February 23, 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, February 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	57.5	55.3	51.6	49.0	50.6	48.2	52.8	56.1	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.9	59.9	57.0	54.2	53.8	60.0	58.3	60.5	63.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	49.5	48.0	47.0	46.2	47.5	46.0	48.0	48.3	50.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.9	64.8	62.8	59.2	59.0	69.4	65.3	68.7	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	57.2	54.1	51.2	52.5	55.2	55.3	58.1	61.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.5	55.5	50.8	50.3	51.8	49.3	52.9	57.3	60.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.1	59.2	51.1	48.8	49.7	50.5	52.4	56.1	60.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.9	57.0	52.5	51.0	52.9	52.4	53.8	57.0	60.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.3	66.7	55.7	52.3	54.2	52.4	60.1	62.9	70.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.8	61.5	57.3	53.1	54.5	52.6	60.0	63.2	67.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Contractor worked between 10:00 p.m. and 11:20 p.m. to:
- Install temporary barrier at the North Pit for construction access.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Non-project related Exceedances. (6) 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, February 17, 2020 to Sunday, February 23, 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, February 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	57.5	53.8	50.9	49.3	48.6	48.7	52.3	57.7	61.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	58.4	56.3	54.1	53.3	53.8	57.3	62.3	64.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.4	47.4	46.6	46.3	46.5	46.7	47.0	49.4	50.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.6	64.2	61.8	59.8	59.8	59.5	65.0	68.7	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.6	56.0	53.4	51.8	50.7	50.9	54.1	59.7	62.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.1	51.4	50.2	48.5	49.1	48.7	52.2	55.1	57.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.4	53.0	50.8	48.5	47.7	47.6	51.4	56.9	61.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.5	52.8	51.0	49.0	49.3	49.1	52.4	57.0	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.3	58.2	56.7	54.9	52.5	51.6	56.1	63.0	70.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.2	59.5	57.0	55.5	54.0	52.2	56.9	63.7	68.7	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:

Non-project related Exceedances.(5) 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, February 17, 2020 to Sunday, February 23, 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, February 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	58.1	54.6	51.9	53.5	49.7	49.2	53.1	58.6	62.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.8	65.4	59.5	57.2	55.4	56.8	59.8	64.0	66.5	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.7	47.6	46.8	46.5	46.0	46.0	47.0	50.1	51.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.2	68.7	62.1	60.4	58.8	60.5	64.4	68.9	70.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.4	61.9	56.8	54.7	53.0	54.0	57.1	61.3	64.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	60.2	56.6	52.8	52.6	50.9	51.2	54.5	58.6	60.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.1	56.6	52.0	51.7	49.5	49.6	53.3	58.4	61.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.8	56.9	52.5	52.6	51.1	50.6	54.3	58.8	60.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.8	60.6	56.9	57.9	54.4	53.8	58.8	65.8	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.5	60.7	57.5	59.5	52.8	53.3	58.3	65.1	68.2	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:

Non-project related Exceedances.(6) 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, February 17, 2020 to Sunday, February 23, 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, February 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	58.5	56.1	55.0	51.1	50.4	51.6	53.8	58.4	61.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.9	60.6	59.5	57.5	60.0	55.4	59.9	62.3	64.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	48.7	49.0	47.1	46.6	46.8	46.7	47.2	49.3	51.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.2	65.4	62.8	59.8	59.7	59.5	64.6	68.5	70.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.6	58.1	56.8	54.8	57.0	52.8	57.3	59.7	62.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.9	57.0	55.1	52.7	51.9	52.4	53.6	58.2	57.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.3	56.0	54.4	51.6	50.7	50.9	55.7	57.5	60.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.0	57.0	55.0	52.6	52.2	52.0	54.6	58.2	59.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.1	60.3	63.7	62.8	55.1	58.0	62.9	64.4	67.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.4	61.2	61.1	57.0	54.5	57.6	61.4	64.2	68.1	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Contractor worked on site at Pier 2, moving construction access barrier on 520.
Traffic control took a single lane in both directions on the highway mainline.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Non-project related Exceedances,(5), 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

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

Monday, February 17, 2020 to Sunday, February 23, 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, February 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	56.0	55.4	52.3	50.1	49.2	47.4	48.1	52.1	54.9	56.7	58.5
Site 2 - 2015 E. Roanoke St	78	65.5	62.4	58.7	56.3	54.4	52.0	52.0	55.8	59.5	60.6	63.2
Site 3 - 3810 E. McGilvra St	62	47.7	46.8	46.0	45.5	46.4	45.5	46.5	47.6	47.7	49.3	49.8
Site 4 - 2800 Montlake Blvd E	66	74.9	66.5	64.4	62.3	60.9	59.1	59.4	63.8	67.4	68.0	68.1
Site 5 - 2565 22nd Av E.	65	63.6	60.2	56.6	54.0	52.6	50.3	50.4	54.0	57.4	58.1	61.2
Site 6 - 2160 E. Hamlin St	63	57.3	55.1	52.7	51.5	51.6	48.1	50.1	54.0	53.7	56.2	57.0
Site 7 - 2209 E. Lake Wa Blvd	66	57.5	56.4	52.7	50.6	48.4	47.0	47.5	52.2	54.7	56.6	58.2
Site 8 - Portable Between Sites 4 and 6	63	58.7	56.0	53.0	51.4	51.6	48.2	50.4	53.3	54.9	56.5	58.4
Site 9 - Portable Between Sites 1 and 7	66	63.7	67.6	57.3	55.1	53.5	57.1	51.3	60.1	64.2	61.8	65.5
Site 10 - Portable Between Sites 1 and 7	66	63.4	63.0	59.5	57.1	63.3	63.3	63.3	63.3	63.3	63.3	66.0

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

No nighttime construction work performed.
 The contractor arrived on site at 7:00 a.m. (2/22), and started work on setting the crane on the south trestle (Heading 2) at Foster Island

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Non-project related Exceedances.(7) were caused by public traffic driving by the noise monitors.

Non-Compliance:

None.

Legend

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Monday, February 17, 2020 to Sunday, February 23, 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, February 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	59.0	56.2	54.3	51.8	51.6	50.1	49.6	51.4	55.8	57.4	57.3
Site 2 - 2015 E. Roanoke St	78	62.3	60.2	59.6	57.0	55.7	53.1	55.0	56.3	60.0	63.2	64.4
Site 3 - 3810 E. McGilvra St	62	49.5	47.8	47.0	46.0	46.8	47.0	45.9	46.4	49.6	52.6	50.5
Site 4 - 2800 Montlake Blvd E	66	67.6	65.7	64.5	61.3	61.0	59.1	60.1	64.1	68.0	69.5	68.7
Site 5 - 2565 22nd Av E.	65	60.2	57.9	57.0	54.8	53.9	51.5	53.7	54.8	58.9	61.4	61.6
Site 6 - 2160 E. Hamlin St	63	55.0	54.4	54.5	53.3	54.3	51.3	51.8	52.6	57.0	58.1	59.0
Site 7 - 2209 E. Lake Wa Blvd	66	58.3	56.0	54.6	51.9	51.6	49.2	50.3	51.9	56.2	57.9	58.5
Site 8 - Portable Between Sites 4 and 6	63	56.7	55.1	54.9	56.1	54.0	51.8	55.1	53.8	57.7	60.1	60.1
Site 9 - Portable Between Sites 1 and 7	66	64.2	61.1	58.8	56.6	55.8	53.1	53.7	56.9	60.2	62.6	63.8
Site 10 - Portable Between Sites 1 and 7	66	65.4	63.0	60.0	57.7	56.4	54.7	53.9	57.1	61.0	63.5	65.3

*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:

Non-project related Exceedances. (3) were 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

~ = No Data Available

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Monday, February 17, 2020 to Sunday, February 23, 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, February 23, 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	54.1	52.3	50.0	48.2	47.6	49.4	50.2	54.9	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.7	60.7	59.2	58.1	57.6	57.9	60.6	62.6	66.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.8	47.1	46.8	46.0	46.1	45.2	46.5	47.3	49.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.1	64.6	62.6	59.8	58.4	60.0	64.3	68.2	70.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	57.7	55.2	53.2	52.3	52.6	56.9	59.3	62.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.7	54.0	52.0	49.0	48.7	48.1	51.9	53.7	56.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	52.6	50.8	49.1	47.2	50.8	50.9	55.7	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	55.0	53.0	50.3	50.2	49.8	52.7	55.0	57.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.6	57.0	55.0	55.9	50.8	59.0	54.8	64.9	66.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.0	58.2	54.3	54.5	51.7	57.1	55.5	62.0	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:

Non-project related Exceedances. (5) 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

