

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, September 27, 2021 to Sunday, October 3, 2021

PUBLISHED OCTOBER 6, 2021

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: 780

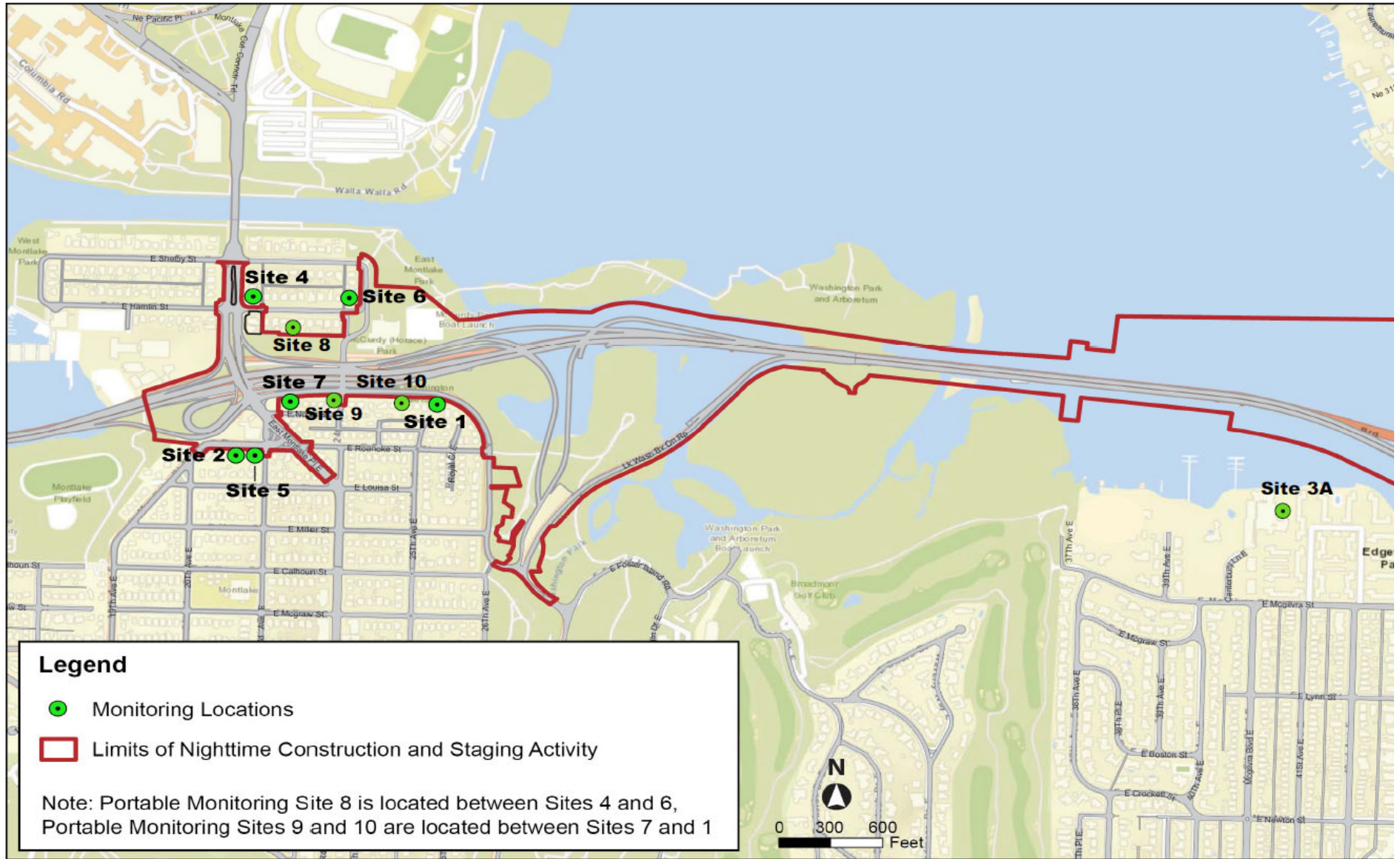
There were 13 MPPCNV noise exceedances but are not counted under the non-compliance due to the work being performed under TNV 6860186-NV.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	4
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)	366
Total Project related non-compliance	102
Total noise issue comments to the project	71
Total non-project related exceedances	2932

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, September 27, 2021 to Sunday, October 3, 2021 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, September 27, 2021												
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	53.0	51.6	47.6	50.9	45.7	47.2	54.1	56.1	58.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.9	56.8	58.8	55.5	52.5	51.6	55.2	58.2	61.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.0	47.5	44.0	50.1	40.9	41.9	45.7	48.8	51.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	58.7	57.0	55.5	56.4	52.8	52.6	62.8	66.3	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.0	55.8	64.4	57.5	52.1	50.2	54.1	56.6	59.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.3	53.2	49.9	52.6	47.1	46.9	52.3	56.5	58.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.3	49.9	49.7	50.8	45.1	45.9	51.3	53.8	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.4	53.1	49.8	50.6	47.9	47.7	53.3	56.1	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.6	56.2	55.1	55.4	52.5	53.9	60.3	62.0	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.7	57.5	54.3	56.5	52.9	55.3	60.8	64.1	66.0	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 install lighting under the montlake lid, deliveries and set up for day work.

Public Comments:
 No public comments received related to nighttime noise.

Exceedances:
 Site(s) 4 and 10 exceedances 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, September 27, 2021 to Sunday, October 3, 2021 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, September 28, 2021												
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	49.7	47.9	46.0	46.6	46.6	48.8	54.3	58.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	55.9	53.3	50.7	51.5	50.7	53.3	68.7	60.7	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.0	46.1	44.0	40.7	42.3	40.8	43.5	48.0	51.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	59.0	57.2	53.3	51.3	51.9	59.6	61.8	69.7	68.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	54.5	51.8	48.4	50.5	48.9	51.8	66.8	59.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.0	53.2	50.7	47.4	49.2	47.4	50.2	54.9	56.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	59.4	53.9	52.4	53.1	49.8	53.7	51.4	58.4	56.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.0	52.7	51.0	49.7	49.1	47.6	51.0	55.5	56.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	82.8	82.3	68.9	66.8	61.2	68.3	72.6	81.2	63.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.2	52.4	50.3	48.8	49.3	53.2	54.9	61.3	65.9	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 install lighting under the Montlake lid, deliveries and set up for day work. Graham/SCL worked on installing 26 kV duck bank work covered by TNV 6860186-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 5 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Site 9 exceedances are work related. Exceedances are covered by TNV 6860186-NV.

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, September 27, 2021 to Sunday, October 3, 2021 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, September 29, 2021												
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	50.9	53.5	50.5	48.0	48.7	49.9	54.0	57.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	56.9	57.8	56.8	52.4	52.4	54.1	57.9	61.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	48.9	46.3	49.7	50.7	44.1	42.9	44.6	48.2	51.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	59.5	57.5	57.5	56.0	54.4	54.1	62.2	66.4	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.0	55.7	59.9	62.9	52.7	51.6	53.4	56.7	60.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.8	52.0	53.3	51.2	50.5	51.3	51.2	55.5	57.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.2	53.8	54.4	52.6	50.9	53.6	48.7	53.4	57.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.9	53.3	52.8	49.7	50.7	49.3	51.3	55.1	57.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.3	63.2	64.3	67.9	66.5	78.4	60.4	62.3	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	55.4	53.3	56.6	55.5	50.6	56.7	57.2	62.5	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 install lighting under the Montlake lid and set up for day work. Graham/SCL worked on installing 26 kV duck bank work covered by TNV 6860186-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Site 9 exceedances between 10pm - 6am are work related. Exceedances are covered by TNV 6860186-NV.

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).

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, September 27, 2021 to Sunday, October 3, 2021 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, September 30, 2021												
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	52.9	52.0	50.7	49.7	48.0	50.2	51.4	56.4	59.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.2	56.8	55.9	53.9	52.6	51.9	55.0	59.1	61.8	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	47.6	46.3	45.4	43.7	43.2	41.0	44.8	50.4	54.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	59.6	56.3	54.3	51.7	51.5	51.0	63.0	65.7	68.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.9	55.3	54.4	52.5	51.2	50.1	53.6	57.3	60.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.0	54.2	51.2	49.2	45.6	44.7	46.8	50.7	53.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.6	50.4	49.3	47.1	46.8	47.2	50.2	53.1	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.9	54.2	51.9	49.5	49.5	47.2	51.3	53.3	55.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	70.0	79.4	79.1	54.2	53.1	54.5	60.4	61.9	67.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	55.9	54.5	52.8	54.8	50.8	52.7	55.7	62.9	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 install lighting under the Montlake lid, girder deliveries and set up for day work. Graham/SCL worked on installing 26 kV duck bank work covered by TNV 6860186-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Site 9 exceedances between 10pm - 6am are work related. Exceedances are covered by TNV 6860186-NV.

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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NOISE MONITORING - WEEKLY REPORT

Monday, September 27, 2021 to Sunday, October 3, 2021 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, October 1, 2021												
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	58.4	56.9	54.2	51.3	49.5	50.4	48.1	49.0	53.4	55.7	58.3
Site 2 - 2015 E. Roanoke St	78	61.1	60.6	58.9	56.2	55.7	53.7	52.4	54.4	57.9	59.9	61.9
Site 3A - 3810 E. McGilvra St	62	52.8	52.0	49.1	47.0	45.6	44.7	43.5	46.4	47.5	51.4	52.9
Site 4 - 2800 Montlake Blvd E	66	64.0	62.3	61.1	59.1	57.6	55.0	56.2	61.0	64.3	65.3	66.8
Site 5 - 2565 22nd Av E.	65	59.4	58.8	57.0	54.2	54.1	51.9	50.5	52.1	56.2	58.0	60.1
Site 6 - 2160 E. Hamlin St	63	60.8	57.5	52.7	54.9	50.7	46.3	45.4	45.1	50.2	50.3	52.7
Site 7 - 2209 E. Lake Wa Blvd	66	56.9	55.1	53.8	50.7	48.5	47.2	46.1	47.0	50.5	52.3	54.9
Site 8 - Portable Between Sites 4 and 6	63	58.6	56.8	54.0	53.4	50.4	48.0	47.5	48.2	52.2	52.8	55.4
Site 9 - Portable Between Sites 1 and 7	66	63.2	61.8	59.3	56.2	53.7	55.5	53.8	53.6	57.6	60.9	64.8
Site 10 - Portable Between Sites 1 and 7	66	63.9	62.0	59.3	56.2	53.5	56.9	55.0	55.1	59.5	62.8	66.2

*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 10 exceedances 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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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, September 27, 2021 to Sunday, October 3, 2021 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, October 2, 2021												
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	56.5	54.0	50.9	48.6	50.8	48.6	51.2	52.7	51.2	54.0	57.0
Site 2 - 2015 E. Roanoke St	78	58.8	58.2	55.0	53.1	53.2	51.3	53.3	53.2	56.7	57.7	60.7
Site 3A - 3810 E. McGilvra St	62	50.6	48.5	46.3	45.3	45.8	46.8	43.9	42.7	46.2	47.5	50.3
Site 4 - 2800 Montlake Blvd E	66	64.9	65.5	59.6	57.8	57.7	57.4	59.0	60.3	64.5	64.8	65.1
Site 5 - 2565 22nd Av E.	65	57.5	56.1	53.4	51.2	52.2	50.3	53.1	51.6	54.8	55.8	59.0
Site 6 - 2160 E. Hamlin St	63	57.3	56.2	52.8	51.3	52.3	50.5	54.7	49.9	49.2	52.5	53.5
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	51.7	48.9	47.0	48.5	47.3	50.7	49.0	49.3	51.7	54.4
Site 8 - Portable Between Sites 4 and 6	63	62.5	55.6	51.7	49.7	51.8	50.4	56.1	49.7	57.8	54.4	55.4
Site 9 - Portable Between Sites 1 and 7	66	62.4	59.3	55.8	53.8	54.7	53.0	55.5	53.2	55.8	59.4	62.6
Site 10 - Portable Between Sites 1 and 7	66	63.8	61.2	57.5	55.1	55.7	53.3	54.9	57.3	56.9	61.6	64.5

*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) 5, 9 and 10 exceedances 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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Monday, September 27, 2021 to Sunday, October 3, 2021 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, October 3, 2021												
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	55.9	50.9	48.4	46.6	44.2	45.0	48.1	54.4	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.0	56.4	53.8	52.2	50.0	50.8	54.9	58.6	62.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.2	46.6	44.1	42.5	41.1	41.0	45.0	48.8	52.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	55.6	52.4	51.9	52.0	49.4	51.4	61.9	66.9	67.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.0	55.0	52.0	51.0	48.8	49.3	53.0	56.5	59.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	49.0	46.0	44.2	44.0	41.6	41.9	44.3	47.0	50.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.3	47.7	45.9	45.5	41.8	42.2	45.5	51.7	56.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.2	49.9	48.4	48.4	45.7	45.9	48.3	50.3	52.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.3	54.5	53.4	53.9	48.2	49.2	51.8	60.9	66.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.1	55.7	54.1	51.3	47.9	49.9	52.5	62.2	65.9	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:

Site(s) 4 and 9 exceedances 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).

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

Monday, September 27, 2021 to Sunday, October 3, 2021

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

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