

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, December 6, 2021** to **Sunday, December 12, 2021**

PUBLISHED DECEMBER 15, 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**

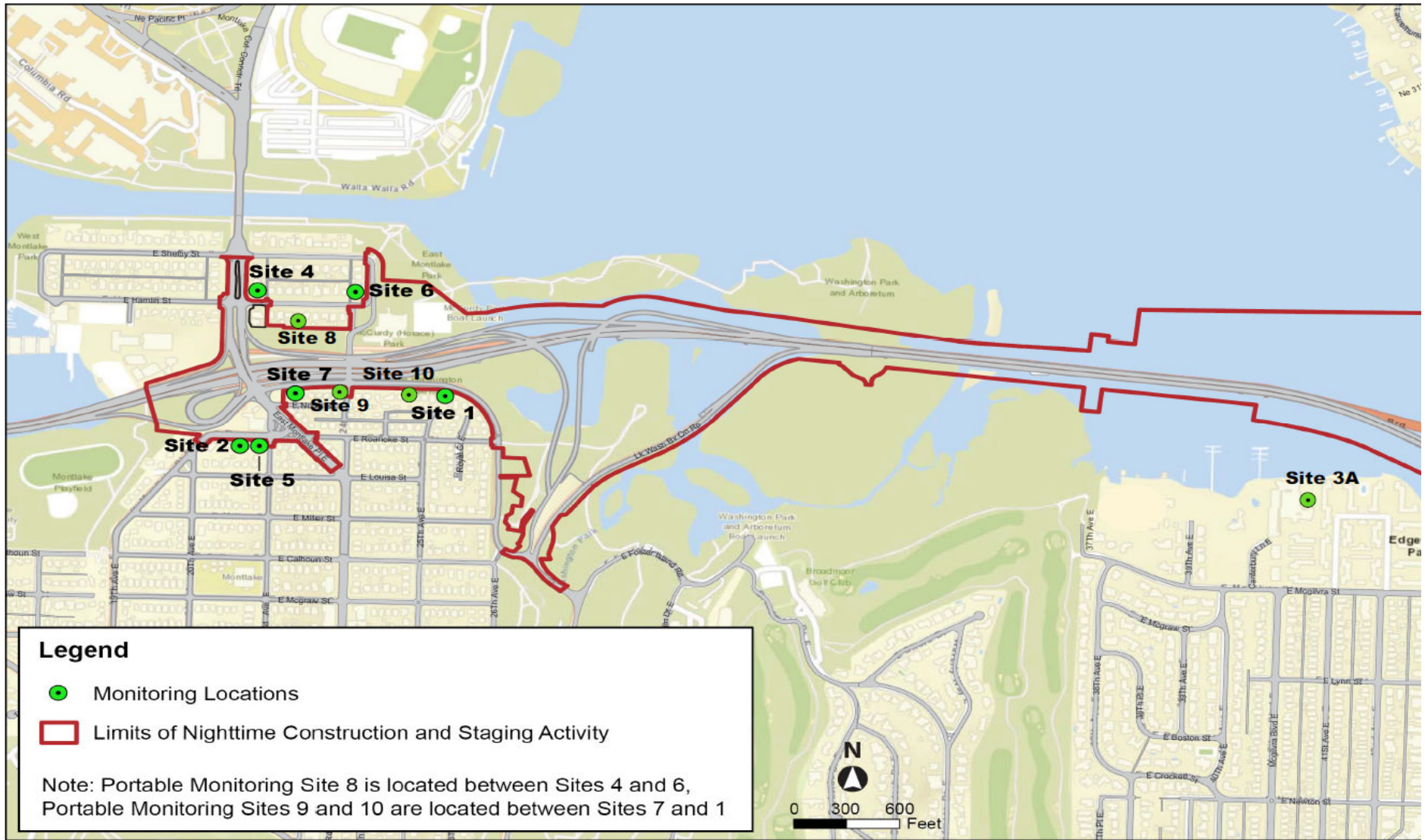
MPPCNV days to date: **850**

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	32

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	399
Total Project related non-compliance	109
Total noise issue comments to the project	108
Total non-project related exceedances	3060

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 6, 2021 to Sunday, December 12, 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, December 6, 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	58.7	55.0	52.2	49.4	49.9	52.6	53.1	57.4	61.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	68.8	68.5	68.5	67.9	67.4	66.4	60.5	61.2	62.8	N/A	N/A
Site 3A - Canterbury Shores	62	51.7	50.0	45.1	41.8	42.2	43.4	46.5	50.5	53.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.9	63.5	61.1	59.4	57.6	59.0	64.3	68.0	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	65.5	65.1	64.7	64.3	64.1	63.7	58.9	61.7	63.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.0	50.2	46.7	46.3	47.1	47.8	49.5	50.4	53.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.2	54.6	53.6	52.7	52.5	52.6	53.8	56.0	58.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.9	54.3	51.5	51.3	51.3	51.7	52.3	53.8	56.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	66.9	64.2	63.4	62.8	62.1	62.7	64.4	65.1	66.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	65.7	62.1	59.8	56.3	56.4	61.3	59.5	65.2	68.3	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 4:00am for installation of underlid lighting & drilling soil nails on the South Abutment of the Montlake Bridge. This Activity is covered under TNV #6869990-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4,5, and 9 exceedances are project related. Design builder is drilling soil nails covered under TNV #6869990-NV. 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, December 6, 2021 to Sunday, December 12, 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, December 7, 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	55.8	53.1	51.4	50.6	50.4	50.3	50.5	55.7	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	67.9	66.9	65.7	67.0	67.7	56.8	56.7	61.6	63.1	N/A	N/A
Site 3A - Canterbury Shores	62	51.7	50.0	52.0	53.0	52.8	51.7	50.2	53.1	56.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	63.2	61.6	60.1	58.7	58.7	63.0	67.4	68.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.5	63.7	63.1	64.3	65.2	54.5	55.2	59.7	61.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.9	54.5	53.9	53.8	51.5	49.7	50.5	54.7	54.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	53.8	53.0	53.3	53.3	49.2	49.8	54.7	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	57.0	55.6	55.9	54.6	51.2	52.2	55.9	56.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.6	63.0	61.6	63.3	63.7	57.8	58.9	64.1	64.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.8	60.3	57.8	55.8	57.2	57.5	56.8	64.0	67.6	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 4:00am for installation of underlid lighting & drilling soil nails on the South Abutment of the Montlake Bridge. This Activity is covered under TNV #6869990-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 5 exceedance is work related. Design builder is drilling soil nails covered under TNV #6869990-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, December 6, 2021 to Sunday, December 12, 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, December 8, 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	55.6	53.2	49.3	48.6	49.9	48.5	51.0	55.3	58.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	66.8	66.5	66.7	68.2	65.7	65.2	56.3	59.2	62.6	N/A	N/A
Site 3A - Canterbury Shores	62	50.0	49.3	44.7	45.9	44.1	44.4	47.1	50.4	53.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.4	63.0	60.6	59.1	58.3	59.5	62.3	67.1	69.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.0	63.6	63.8	65.3	62.7	62.1	54.2	57.2	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.0	52.6	49.8	51.1	48.6	48.3	49.9	51.0	57.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.9	53.6	52.6	53.5	52.0	51.2	50.3	53.7	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.5	55.4	52.5	52.8	51.9	51.6	51.4	55.2	58.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.0	63.4	63.3	64.5	62.4	61.9	58.5	62.4	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.3	60.3	55.9	56.0	57.7	55.5	57.9	64.4	66.7	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 4:00am for installation of underlid lighting & drilling soil nails on the South Abutment of the Montlake Bridge. The soil nail installation is covered under TNV #6869990-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 5 exceedance is project related. Design builder is drilling soil nails covered under TNV #6869990-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, December 6, 2021 to Sunday, December 12, 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, December 9, 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	57.0	54.1	50.5	49.0	48.0	50.7	54.0	58.3	57.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	67.6	67.1	66.3	67.2	62.0	55.2	58.7	57.9	60.5	N/A	N/A
Site 3A - Canterbury Shores	62	51.0	48.1	45.7	45.4	43.7	42.7	43.2	48.8	51.5	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.9	61.7	60.1	58.1	56.4	55.7	64.3	67.7	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.8	64.6	63.6	64.4	59.1	52.5	56.4	55.7	59.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.9	55.8	52.1	48.9	46.1	45.5	47.5	54.7	57.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.5	54.3	52.4	52.8	48.6	47.0	53.7	57.9	56.3	57.4	60.4
Site 8 - Portable Between Sites 4 and 6	63	59.3	58.0	54.2	53.0	50.1	49.0	51.3	56.2	58.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.2	63.8	63.0	63.1	58.4	55.2	63.0	63.2	64.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.6	60.2	57.6	55.2	54.6	58.4	66.9	68.9	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 4:00am for installation of underlid lighting & drilling soil nails on the South Abutment of the Montlake Bridge. The soil nail installation is covered under TNV #6869990-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 10 exceedance for 66.9 is project related. It was due to a sweeper truck passing by site 10. This activity is covered under TNV #6869990-NV.

Non-Compliance:

None

Legend

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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, December 6, 2021 to Sunday, December 12, 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, December 10, 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	58.5	57.7	59.1	57.3	56.0	52.4	52.6	53.6	55.8	56.0	58.0
Site 2 - 2015 E. Roanoke St	78	62.7	61.8	62.4	61.4	59.1	55.2	55.1	60.4	59.1	60.1	64.0
Site 3A - Canterbury Shores	62	55.2	55.0	58.1	57.8	56.5	52.5	51.0	51.7	55.5	55.4	56.1
Site 4 - 2800 Montlake Blvd E	66	69.4	67.3	66.3	64.5	62.3	62.6	61.6	66.8	67.2	67.3	68.3
Site 5 - 2565 22nd Av E.	65	62.2	61.3	62.0	61.3	58.8	54.1	54.8	57.3	58.2	58.7	64.2
Site 6 - 2160 E. Hamlin St	63	59.7	58.3	58.6	56.4	55.9	54.3	53.2	54.7	58.7	58.0	60.5
Site 7 - 2209 E. Lake Wa Blvd	66	58.0	57.0	57.1	55.8	53.5	50.8	50.8	52.8	54.9	58.9	57.4
Site 8 - Portable Between Sites 4 and 6	63	60.3	58.6	58.4	56.3	56.2	54.6	54.7	56.8	58.9	58.3	60.3
Site 9 - Portable Between Sites 1 and 7	66	66.4	64.9	63.8	61.8	59.3	57.6	58.0	62.7	63.0	70.4	65.5
Site 10 - Portable Between Sites 1 and 7	66	66.6	65.0	64.6	62.6	60.7	54.2	56.6	58.0	62.3	63.5	66.3

*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:

Site(s) 4, 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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= 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 6, 2021 to Sunday, December 12, 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, December 11, 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	57.9	55.8	55.5	51.3	49.8	48.8	48.6	50.1	53.4	54.3	56.8
Site 2 - 2015 E. Roanoke St	78	60.5	59.3	59.2	55.9	54.7	53.5	53.1	53.9	57.3	59.3	60.7
Site 3A - Canterbury Shores	62	52.6	50.7	53.5	51.1	49.6	47.7	49.7	49.1	49.3	50.6	52.6
Site 4 - 2800 Montlake Blvd E	66	66.5	65.1	65.7	62.2	61.4	59.3	59.3	61.5	65.9	65.4	66.8
Site 5 - 2565 22nd Av E.	65	59.3	58.0	58.5	54.7	53.3	52.1	52.1	53.0	56.1	58.0	59.4
Site 6 - 2160 E. Hamlin St	63	61.1	56.6	56.1	55.3	52.9	51.3	50.3	51.5	54.2	54.7	57.0
Site 7 - 2209 E. Lake Wa Blvd	66	56.2	54.4	54.6	51.3	49.9	48.2	48.3	49.3	52.6	54.0	55.8
Site 8 - Portable Between Sites 4 and 6	63	61.9	57.4	56.6	55.6	53.3	52.1	51.6	52.9	56	55.9	57.9
Site 9 - Portable Between Sites 1 and 7	66	62.1	61.1	63.0	59.2	57.5	54.7	55.8	56.9	60.0	62.5	64.0
Site 10 - Portable Between Sites 1 and 7	66	65.4	64.0	63.4	58.4	56.3	54.0	55.3	56.7	60.6	62.4	65.8

*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 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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SR 520 Montlake Project
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NOISE MONITORING - WEEKLY REPORT
Monday, December 6, 2021 to Sunday, December 12, 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, December 12, 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	57.2	54.7	53.0	46.9	48.4	53.6	52.7	57.2	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	57.8	56.0	53.7	51.4	55.0	57.2	61.0	63.1	N/A	N/A
Site 3A - Canterbury Shores	62	49.4	49.0	48.6	44.6	42.5	48.9	47.4	49.7	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.2	62.7	61.8	59.9	56.5	59.3	64.8	68.6	70.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	56.7	55.8	51.8	50.0	55.1	55.9	59.2	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	55.5	52.8	47.3	48.7	51.0	52.2	54.1	54.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	53.4	51.4	46.9	46.9	50.4	51.2	56.2	57.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	61.0	58.1	53.3	50.0	50.2	51.8	52.2	55.8	56.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	59.5	57.6	54.8	53.5	56.9	59.9	65.3	66.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	60.6	58.6	51.7	56.2	58.0	58.9	66.0	67.8	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(s) 4,9 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

~ = 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 6, 2021 to Sunday, December 12, 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	