

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, January 10, 2022 to Sunday, January 16, 2022

PUBLISHED January 19th, 2022

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

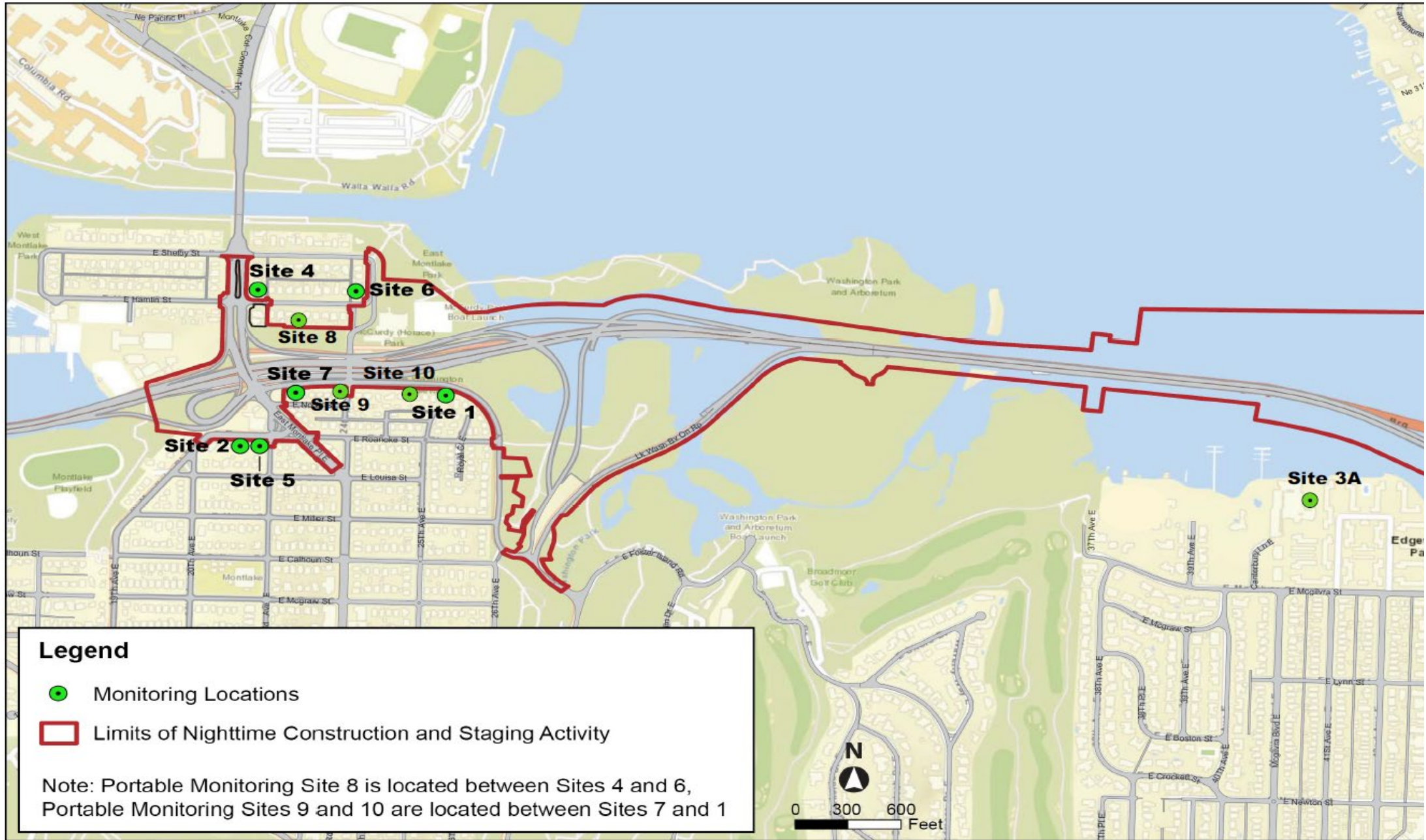
MPPCNV days to date: 885

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	5
Project related non-compliance this week	0
Nighttime noise issue comments to the project	2
Non-project-related noise exceedances this week	33

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	415
Total Project related non-compliance	110
Total noise issue comments to the project	111
Total non-project related exceedances	3181

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, January 10, 2022 to Sunday, January 16, 2022 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, January 10, 2022												
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	54.8	54.2	57.1	55.4	53.4	52.2	57.5	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	58.2	58.6	60.6	58.7	58.5	57.3	61.1	63.9	N/A	N/A
Site 3A - Canterbury Shores	62	50.4	49.0	49.5	55.0	52.6	50.0	48.5	52.9	54.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	63.8	62.0	61.3	59.9	60.2	63.8	68.7	71.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	57.3	57.7	65.1	63.0	57.5	56.1	60.1	64.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.4	53.5	50.4	52.8	52.7	51.0	52.3	55.8	59.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.7	52.8	51.4	54.2	51.5	52.2	52.1	56.3	58.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.9	55.0	51.3	53.0	52.3	50.0	52.5	57.4	60.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.3	59.8	58.8	59.5	57.2	59.0	61.0	65.5	68.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.6	61.2	61.3	63.1	62.5	61.2	60.8	66.6	69.2	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 installing underlid lighting under the Montlake bridge lid.

Public Comments:

No public comments received related to nighttime noise.

Exceedances: Site 4, 5, 9, and 10 Exceedances are due to public traffic. **(Non work related).**

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, January 10, 2022 to Sunday, January 16, 2022 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, January 11, 2022												
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	53.5	52.5	61.2	49.9	49.0	51.0	55.1	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	64.2	56.5	55.4	56.6	52.2	52.5	55.6	59.1	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	49.9	48.8	47.0	44.1	43.9	42.8	45.0	49.8	52.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	67.6	62.9	62.0	68.2	57.0	58.9	64.0	67.0	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	63.5	55.8	54.3	54.3	50.9	50.9	54.0	57.2	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.6	53.6	52.2	50.8	48.5	48.6	50.6	54.3	57.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.6	52.3	50.1	58.6	46.6	47.0	49.7	54.1	57.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.5	54.7	52.4	52.6	48.5	49.1	52.1	56.0	58.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	68.5	60.6	58.7	69.5	53.5	55.9	59.3	62.6	66.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.2	62.6	62.3	73.7	58.5	57.0	58.6	64.2	67.9	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 4:00am installing underlid lighting under the Montlake bridge lid

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 4, 9 & 10 exceedances are due to public traffic and and a City of Seattle street sweeper. **(Non work related).**

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, January 10, 2022 to Sunday, January 16, 2022 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, January 12, 2022												
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	54.9	52.8	51.7	52.0	53.0	53.3	55.9	60.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.9	59.1	57.8	57.5	55.7	55.3	56.9	60.1	64.9	N/A	N/A
Site 3A - Canterbury Shores	62	49.5	49.1	47.6	47.1	46.9	47.0	47.3	51.0	56.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.9	62.3	61.2	58.2	59.8	60.1	63.6	66.9	71.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.1	57.0	55.7	55.7	54.3	54.0	55.3	58.4	63.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	60.0	52.3	49.9	49.1	51.4	54.5	55.8	57.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.6	52.3	50.1	58.6	46.6	47.0	49.7	54.1	57.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.3	55.9	53.4	50.6	49.3	52.2	54.8	56.5	59.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.5	59.9	59.8	56.4	56.4	59.5	59.5	63.3	68.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.5	62.0	60.4	58.2	60.0	61.6	59.9	65.0	69.0	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 4:00am installing underlid lighting under the Montlake bridge lid.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4,9,&10 exceedances is **(not work related)**. Exceedance is 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
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, January 10, 2022 to Sunday, January 16, 2022 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, January 13, 2022												
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	57.4	54.3	52.8	52.3	52.5	53.5	54.3	56.9	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	72.6	72.5	72.3	73.1	70.0	68.5	59.0	60.2	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	51.1	46.9	43.9	43.8	43.9	43.8	44.1	50.7	53.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.7	62.5	60.8	58.5	61.0	59.0	62.2	66.7	68.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	68.2	67.5	67.7	68.7	66.2	64.2	56.5	58.2	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.1	54.9	52.3	52.4	50.5	49.3	50.7	53.1	58.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.0	56.3	54.3	53.5	54.4	54.1	53.1	56.0	59.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	68.4	66.5	66.2	65.3	64.6	64.9	61.3	61.6	64.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.6	60.0	58.0	58.0	59.9	60.0	64.4	66.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Contractor worked from 10:00pm to 3:30am installing hangar assemblies and conduit under the Montlake lid. Penhall worked from 10:00pm. to 4:45am. demolishing the North Abutment of the Montlake Bridge.

Public Comments:

Two public complaints received due to the North Abutment demolition. No detailed information on the complaint other than they called the project hotline to complain about the noise.

Exceedances:

Exceedances for sites 4 and 10 between the hours of 5am and 7am is due to public traffic driving by the noise monitors (**not work related**). All other exceedances between sites 5 and 9 are due to the demolition of the North Abutment of the Montlake Bridge (**work related**). This activity is covered under TNV #6875677-NV. Site 7 is down due to unknown reasons.

Non-Compliance:

None

Legend

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Monday, January 10, 2022 to Sunday, January 16, 2022 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, January 14, 2022												
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	60.4	57.2	55.2	53.8	52.4	50.3	49.8	51.9	54.2	57.0	58.1
Site 2 - 2015 E. Roanoke St	78	61.6	59.9	58.1	57.0	60.4	52.9	54.3	56.5	58.6	59.6	60.8
Site 3A - Canterbury Shores	62	52.9	51.8	50.9	50.1	48.0	46.6	45.4	47.5	48.7	51.2	52.9
Site 4 - 2800 Montlake Blvd E	66	65.6	69.7	61.5	59.8	70.4	58.8	60.1	61.7	65.9	66.1	66.1
Site 5 - 2565 22nd Av E.	65	59.7	58.2	56.2	55.0	58.8	51.3	52.1	54.5	56.7	57.8	59.2
Site 6 - 2160 E. Hamlin St	63	57.1	55.6	55.7	51.6	53.6	53.5	47.5	50.6	54.5	55.9	55.4
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	~	~
Site 8 - Portable Between Sites 4 and 6	63	59.9	57.7	56.7	52.2	55.5	52.9	50.8	52.9	56.6	57.5	58.1
Site 9 - Portable Between Sites 1 and 7	66	62.4	60.3	58.0	56.6	68.9	55.5	55.2	57.3	60.1	60.3	61.9
Site 10 - Portable Between Sites 1 and 7	66	66.2	63.3	60.5	59.5	57.5	54.5	54.9	59.0	60.5	64.2	66.3

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

No 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 is caused by public traffic driving by the noise monitors (**non work related**). Site 7 is down due to unknown reasons.

Non-Compliance:

None

Legend

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Monday, January 10, 2022 to Sunday, January 16, 2022 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, January 15, 2022												
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	55.3	52.4	52.5	50.1	46	46.3	48.4	52.9	53.8	55.0
Site 2 - 2015 E. Roanoke St	78	61.1	58.3	55.8	55.1	54.4	52.5	52.5	53.3	57.2	57.3	58.3
Site 3A - Canterbury Shores	62	52.1	49.9	47.6	46.5	46.0	42.5	41.9	42.5	47.4	47.6	51.1
Site 4 - 2800 Montlake Blvd E	66	68.6	63.1	61.8	60.1	57.5	56.4	57.6	59.5	64.8	64.7	64.6
Site 5 - 2565 22nd Av E.	65	59.0	56.3	53.9	53.6	52.4	50.5	51.0	51.2	55.1	55.6	56.3
Site 6 - 2160 E. Hamlin St	63	50.1	51.3	50.7	45.8	45.6	42.0	44.9	44.8	47.8	52.4	51.9
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	~	~
Site 8 - Portable Between Sites 4 and 6	63	54.9	53.9	53.4	50.1	49.4	46.8	47.9	48.8	51.6	54.3	54.6
Site 9 - Portable Between Sites 1 and 7	66	64.1	58.0	55.7	56.1	53.1	50.9	51.6	52.6	57.3	58.4	59.0
Site 10 - Portable Between Sites 1 and 7	66	64.3	61.7	58.9	59.1	54.7	51.5	52.1	55.0	59.5	61.7	64.1

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

No work performed.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 4 exceedance was due to public traffic. Site 7 is down due to unknown reasons.

Non-Compliance:

None

Legend

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Monday, January 10, 2022 to Sunday, January 16, 2022 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, January 16, 2022												
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	51.0	48.5	46.5	45.4	43.3	47.6	51.9	55.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.5	55.4	56.7	55.1	53.5	50.8	52.6	57.1	59.3	N/A	N/A
Site 3A - Canterbury Shores	62	48.4	46.0	43.7	42.3	40.2	39.2	43.5	45.6	49.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.8	61.5	65.3	57.5	56.5	57.8	59.0	64.5	67.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.6	53.6	52.9	52.9	51.7	48.8	51.2	55.7	57.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.3	51.7	48.5	45.9	44.7	43.6	47.4	47.7	52.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	53.2	52.2	48.4	48.4	46.9	49.3	51.3	54.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.7	55.6	54.3	52.7	64.7	53.3	52.8	59.5	62.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.7	58.6	56.5	53.5	52.9	48.5	53.9	61.2	63.5	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:

Sites 5, 6, 9, & 10 exceedances are not project related. Exceedance is caused by public traffic driving by the noise monitors (**not work related**). Site 7 is down due to unknown reasons.

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, January 10, 2022 to Sunday, January 16, 2022

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
1/13/22 @ 10:28pm	To: Project Hotline per PBS. From: Resident on 2514 Boyer Ave E	Heard construction sounds from demolition of old North Abutment. The resident called the hotline at 10:20 p.m. on 1/13 to complain about noise from demolition of the Montlake overpass. He asked why he hadn't been offered a hotel room since the work was going on right outside his door and others who weren't as close had been offered hotel rooms.	Took noise reading at address for 52.0dB. All work was covered under TNV #6875677-NV. Unknown if resident was offered a hotel room in accordance with the TNV. Bob Derry told him that WSDOT decided who received hotel rooms based on anticipated noise level. Greg said this was BS and it sucked. He was going to call his congressman. Gregg was quite abusive in his language and used multiple expletives.
1/13/22 @ 10:52pm	To: Project Hotline per PBS. From: Resident on 2008 E Louisa St	Heard construction sounds from demolition of old North Abutment. The resident called the hotline at 10:47 p.m. on 1/13 to ask about the loud demolition noise she was hearing and how long it would go on for. She said it had woken her from a deep sleep. Bob Derry told her it would continue until about 5 a.m. She asked why we didn't start until 10 p.m. - Bob told her we needed to close westbound SR 520 to perform the work and those lanes couldn't be closed until then.	Took noise reading at address for 58.7dB. All work was covered under TNV #6875677-NV. Unknown if resident was offered a hotel room in accordance with the TNV. Bob called Aimee 1/14 to follow up on last night's conversation about noise. He asked if she'd been able to get any sleep. She said she used some earplugs and was able to sleep the rest of the night. She was woken a couple of times but was able to go back to sleep. Bob Derry told her we'd be back on Tuesday night doing similar work and asked if she wanted a hotel room. She declined.
1/14/22 @ 9:35pm	To: Project Hotline per PBS. From: Resident on 2505 20th Ave E	The resident initiated the conversation through text at 9:35pm on 1/14. He mentioned he's writing a noise complaint, saying how it's utterly ridiculous the disregard for local residents. He continued saying the noise variance yesterday had everyone up all night. And now you're still at it today at 9:30pm, and that this work should be done during the day.	INM on site began shift at 10:00pm and was unaware of the situation. All work was covered under TNV #6875677-NV. He was unable to take a reading at the resident's address since the complaint was issued at 9:35pm. Bob Derry responded to the resident's text saying the crew will cease their work at 10 o'clock this evening. The resident replied with "thanks very much for the reply. I do understand the challenges."