



SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for

Monday, July 4, 2022

to

Sunday, July 10, 2022

PUBLISHED July 13th, 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

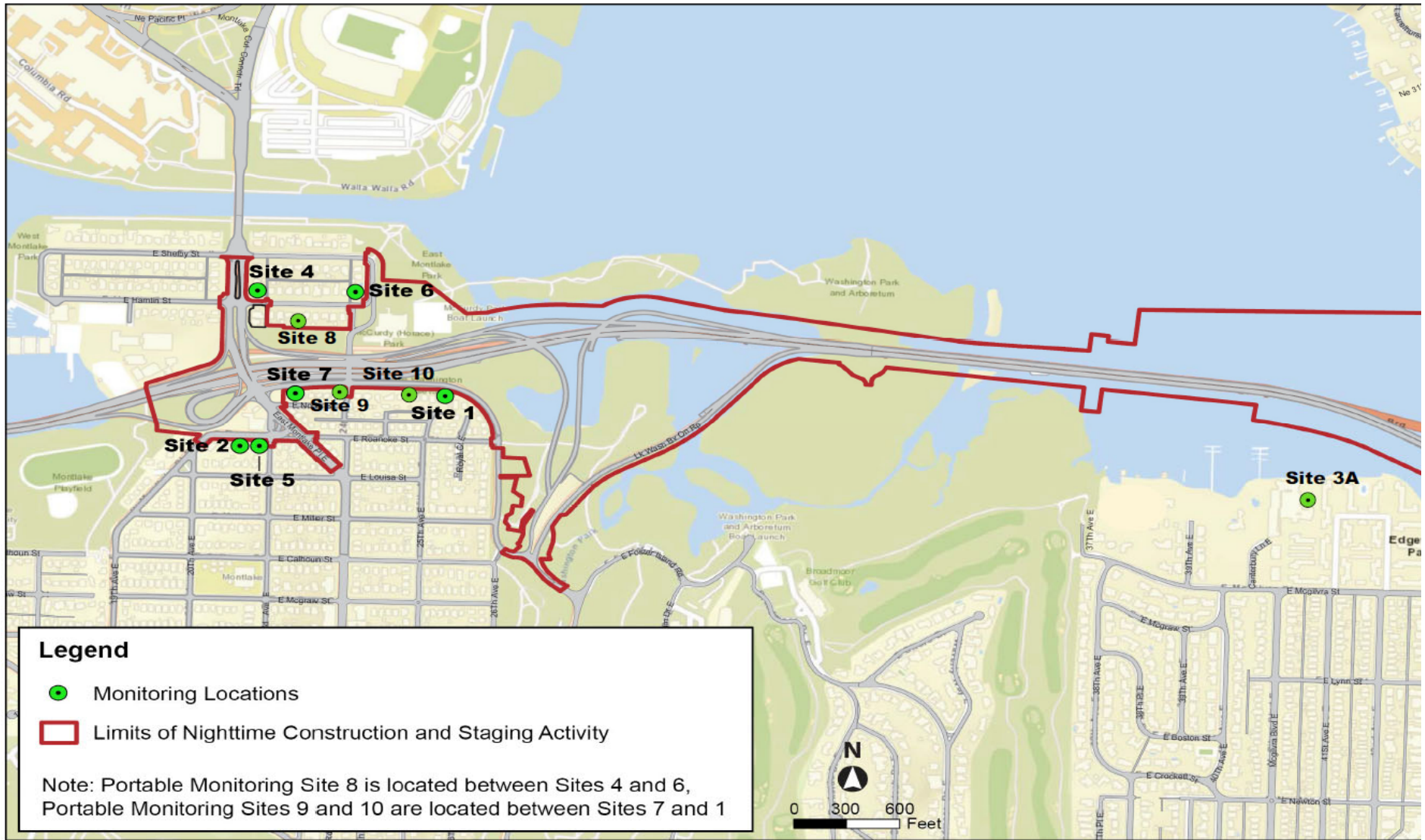
MPPCNV days to date: 1060

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	1
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	4

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	539
Total Project related non-compliance	116
Total noise issue comments to the project	122
Total non-project related exceedances	3808

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, July 4, 2022 to Sunday, July 10, 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, July 4, 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	61.2	59.5	57.9	54.7	51.5	48.4	50.7	56.2	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	63.4	63.2	60.6	58.1	55.7	53.0	55.1	59.3	61.4	N/A	N/A
Site 3A - Canterbury Shores	62	57.0	56.6	55.5	55.0	54.3	54.1	54.2	53.0	54.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.9	58.0	55.4	55.3	51.0	49.4	52.0	56.6	58.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	61.8	61.5	58.6	57.0	54.6	51.3	53.4	57.6	59.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	59.5	56.1	55.3	54.8	50.3	48.5	49.3	52.2	52.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	60.1	57.5	56.6	56.0	50.2	53.0	52.6	54.5	56.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.2	56.2	56.1	54.4	51.0	50.3	51.0	54.6	53.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.3	61.2	58.9	58.4	54.7	57.4	55.5	60.7	62.0	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.3	64.5	61.3	58.3	55.3	53	56.8	62.7	64.7	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: No Exceedances 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, July 4, 2022 to Sunday, July 10, 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, July 5, 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	52.7	51.5	48.6	46.6	45.6	46.8	55.0	59.8	62.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.7	56.8	54.1	51.4	50.4	53.5	54.2	61.1	62.5	N/A	N/A
Site 3A - Canterbury Shores	62	48.0	46.8	44.4	41.7	39.7	40.6	41.0	44.6	49.1	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.5	54.0	52.2	48.8	49.5	50.0	54.0	59.2	60.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.1	55.4	52.5	49.9	49.1	51.4	52.4	59.2	60.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.6	48.3	46.1	45.4	46.0	46.2	50.5	53.4	53.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.5	50.5	47.4	45.0	44.4	46.3	49.8	55.3	56.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.5	50.5	48.7	47.3	48.8	47.9	50.9	54.6	55.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	67.8	59.0	54.8	52.3	51.3	54.8	56.5	62.7	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.7	59.0	56.3	54.6	52.9	53.7	60.8	66.4	68.1	N/A	N/A
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham worked between 10:00pm and 4:10am on Pier 2 pulling piles. Elcon worked between 10:00pm and 3:26am pulling wires, 6 workers on site. American Bridge worked between 5:00am and 7:00am on the laydown yard pouring concrete.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 9, 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, July 4, 2022 to Sunday, July 10, 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, July 6, 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	55.4	52	48.4	48.4	47.9	47	47.9	49.3	56	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.5	56.9	55.4	52.2	54.8	52.5	55	59.9	61.3	N/A	N/A
Site 3A - Canterbury Shores	62	51.5	46.8	47.6	53.8	53.7	53.8	54	53.2	54	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.2	54.6	52.4	49.9	51.9	49.8	54.1	58	59.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	55.9	53.2	50.8	53.2	51.4	53	58.2	59.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.8	48.7	47.6	45.9	46.5	46.3	50.6	54	54	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.2	50.6	48	46	46.6	46.1	48.9	55	56.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.3	52.2	48.8	48.7	48.7	49	50.1	56.3	56.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.2	58.2	54.8	54	54.8	53.2	56.9	61.6	63.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.2	60.4	55.7	55.6	55.9	55.1	57.2	64.2	65.3	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
Work: Graham worked between 10:00pm and 3:30am on Pier 2 pulling piles. Elcon worked between 10:00pm and 3:26am pulling wires and removing a light pole, 6 workers on site.												
Public Comments: No public comments received related to nighttime noise.												
Exceedances: No Exceedances												
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, July 4, 2022 to Sunday, July 10, 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, July 7, 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	57.3	54.5	51.4	49.3	46.0	49.3	51.1	56.5	59.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	57.7	54.7	52.9	51.8	53.6	54.9	61.1	61.1	N/A	N/A
Site 3A - Canterbury Shores	62	50.5	47.6	45.8	45.9	43.2	43.2	45.8	49.5	53.4	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	58.6	54.1	52.1	50.9	48.8	50.3	53.7	62.3	59.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.6	56.9	53.1	51.2	50.0	52.6	53.6	59.1	59.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.4	49.8	45.8	45.7	43.1	47.5	50.3	53.0	53.1	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	52.3	48.9	46.3	44.3	49.6	49.5	57.5	56.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	55.4	51.9	49.3	48.9	47.8	49.7	52.0	55.7	55.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.6	57.8	55.7	52.1	52.1	59.3	57.1	63.4	63.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.2	61.8	59.4	55.4	53.1	58.7	58.7	65.2	65.9	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:26am pulling wires and removing a light pole, 7 workers on site. American Bridge worked between 4:30am and 7:00am on the trestle pouring concrete.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

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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NOISE MONITORING - WEEKLY REPORT
Monday, July 4, 2022 to Sunday, July 10, 2022 10 pm to 7 am (weekdays) / 9 am (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, July 8, 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	57.8	51.9	51.4	55.9	48.5	51.6	48.7	51.5	52.8	55.0	56.2
Site 2 - 2015 E. Roanoke St	78	60.6	58.8	56.1	54.3	51.9	52.0	50.4	53.8	56.7	59.1	60.0
Site 3A - Canterbury Shores	62	52.1	47.5	48.4	54.3	54.1	53.9	54.0	51.6	49.2	50.4	50.6
Site 4A - 2110 E. Hamlin St	66	56.5	53.7	51.0	49.7	48.6	49.6	50.9	49.3	51.7	55.4	57.6
Site 5 - 2565 22nd Av E.	65	59.3	57.2	54.4	53.0	51.2	52.1	49.2	52.8	55.5	58.5	59.4
Site 6 - 2160 E. Hamlin St	63	52.4	49.3	48.6	55.4	44.5	50.9	48.5	49.3	54.0	51.7	54.1
Site 7 - 2209 E. Lake Wa Blvd	66	56.6	56.2	56.1	56.2	57.6	51.3	47.3	50.5	47.7	47.8	55.8
Site 8 - Portable Between Sites 4 and 6	63	53.5	54.8	53.6	49.5	47.4	49.0	45.6	48.5	50	53.6	55.9
Site 9 - Portable Between Sites 1 and 7	66	63.1	64.1	64.7	58.4	54.8	52.6	54.5	52.9	61.0	60.5	61.1
Site 10 - Portable Between Sites 1 and 7	66	65.1	59.5	57.7	61.0	57.3	56.3	55.4	58.8	60.2	62.6	64.0
*Hourly-Average Leq (dBA)												

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 11:00pm and 8:00am pulling wires, 7 workers on site. Graham worked between 11:00pm and 9:00am setting girders, between 11:00pm and 2:00am on pulling piles, and 2:00am and 9:00am digging drainage. PSC worked between 11:00pm and 1:50am removing traffic barriers from the site.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

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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Monday, July 4, 2022 to Sunday, July 10, 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, July 9, 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	53.8	52.5	51.3	48.2	45.5	49.8	45.9	47.9	51.4	51.9	54.7
Site 2 - 2015 E. Roanoke St	78	56.4	56.2	51.9	49.8	50.4	49.8	48.2	50.9	55.3	55.7	57.9
Site 3A - Canterbury Shores	62	45.4	44.0	46.0	52.8	53.0	53.1	53.1	51.7	47.5	45.5	50.4
Site 4A - 2110 E. Hamlin St	66	53.6	54.0	48.8	48.2	47.1	49.0	47.1	48.8	53.8	52.9	55.5
Site 5 - 2565 22nd Av E.	65	56.2	55.5	52.0	49.8	49.5	49.5	47.8	50.4	54.5	55.4	57.2
Site 6 - 2160 E. Hamlin St	63	50.2	48.6	46.8	47.0	44.9	49.6	46.7	48.3	50.8	50.5	52.1
Site 7 - 2209 E. Lake Wa Blvd	66	49.8	48.4	47.6	44.5	43.3	47.4	42.2	45.5	51.0	50.0	51.2
Site 8 - Portable Between Sites 4 and 6	63	51.4	51.2	47.1	47.5	47.0	50.1	47.9	48.5	50.9	51.2	53.4
Site 9 - Portable Between Sites 1 and 7	66	56.4	56.0	54.0	51.9	50.1	54.7	47.9	51.3	58.4	56.7	58.0
Site 10 - Portable Between Sites 1 and 7	66	62.0	60.3	59.0	55.0	51.5	54.9	51.8	55.2	60.6	59.7	61.3

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 11:00pm and 5:30am pulling wires, 7 workers on site. Graham worked between 11:00pm and 9:00am setting girders, between 10:00pm and 4:10am installing drainage, and between 7:00am and 9:00am on installing transverse bracing and setting up for false decking.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No Exceedances

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

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Monday, July 4, 2022 to Sunday, July 10, 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, July 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	52.2	50.8	51.5	51.5	48.3	50.3	46.7	48.6	57.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	56.5	55.9	51.2	55.1	49.3	51.9	54.2	59.8	61.7	N/A	N/A
Site 3A - Canterbury Shores	62	44.6	41.0	40.2	41.7	43.3	39.6	44.5	50.4	52.6	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	51.3	50.6	46.9	46.9	44.6	47.0	51.1	56.7	58.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.9	55.1	50.4	53.6	53.6	48.6	50.8	52.9	58.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.1	46.8	49.2	49.2	45.0	44.0	42.8	47.7	55.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	50.3	51.0	46.2	45.7	45.0	45.2	49.5	54.1	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	49.4	47.6	46.3	46.2	45.2	45.8	48.3	54.9	53.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.4	57.4	51.4	51.8	50.2	54.4	54.5	62.6	63.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.4	58.7	59.2	54.2	56.1	53.8	55.3	66.2	65.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Elcon worked between 10:00pm and 3:00am pulling wires on SR 520, 7 workers on site, until 10:00pm when a worker leaves for the night. Graham worked between 10:00pm and 4:08am setting up for false decking on WB SR 520. PSC worked between 10:00pm and 2:05am on establishing and pinning traffic barriers on SR 520.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Sites 10 exceedance is due to public traffic. **(Non work related).**

Non-Compliance:

Persistent non-compliance with pure tone alarm on Graham scissor lift on WB SR 520

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, July 4, 2022 to Sunday, July 10, 2022 10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)

Public Comment Log			
Date / Time	To/From	Issue	Resolution