

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, April 8, 2024 to Sunday, April 14, 2024

PUBLISHED April 17, 2024

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: 1704

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	4

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	998
Total Project related non-compliance	122
Total noise issue comments to the project	173
Total non-project related exceedances	5918

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, April 8, 2024 to Sunday, April 14, 2024 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, April 8, 2024												
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	54.5	52.2	51	46.7	49.1	44.4	49.4	54.5	56.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.5	56.8	55.4	53.7	52.5	54.5	57.7	57.4	62.3	N/A	N/A
Site 3A - Canterbury Shores	62	49.9	49.2	47.3	44.6	45.7	41	44.8	48.4	51	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.5	57.2	55.1	53.9	52.2	51.3	56.7	~	60.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	55.8	54.4	51.6	51.2	52.8	55.8	58	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	53.6	52	47.3	50.1	46	50.7	52.3	54.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.4	52.1	50.2	46	47.9	47.5	50.3	54.4	56.5	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.4	54	52.5	47.3	50.3	45	50.9	53.4	54.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.3	58.8	56.2	52.8	53.3	56.8	58	64.1	65.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59	56.1	54.1	49.9	51.8	49.2	55.1	61.1	62.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Graham- was not onsite during MPPCNV 10:30pm to 7:00am

Valley electrical Solution was onsite during MPPCNV hours between 10:30pm to 4:00am for trouble shooting lights, also electrical panels under lid EB, WB SR520

AAR- on site inspecting lights under lid aalong with electrical panel boxes under lid.

Public Comments:

none

Exceedances:

Site(s) None

Non-Compliance:

None.

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, April 8, 2024 to Sunday, April 14, 2024 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, April 9, 2024												
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	53.7	52.2	48.4	46.3	47.1	47.4	50.7	55	57.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	~	57.2	54.5	55.1	55.9	56.5	57.6	60.1	63.1	N/A	N/A
Site 3A - Canterbury Shores	62	52.4	48.6	45.6	44	43	44.5	46.9	50.2	53.8	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	60.1	54.4	50.9	52.5	52.1	53.1	55	57.8	60.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.7	55.3	52.8	52.7	53.4	54	55.6	58	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.1	49.8	49.9	46.6	47.1	47.9	50.1	49	49.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55	52.1	48.2	47.3	48.4	48.4	50.6	54.8	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51	50.2	48.3	47.2	49	51.8	53.9	54.5	52.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.5	60.7	55.4	55	55.1	56.2	57.8	64.1	66	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	58.4	57.6	51.6	55.6	52.8	51.8	55.6	60.4	63.1	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Graham- was not onsite during MPPCNV 10:30pm to 1:30am. Onsite to Mobilize crane from MOHAI over to OCR to offload Vault risers and lid.
Valley electrical Solution was onsite during MPPCNV hours between 10:30pm to 4:00am for pulling wire under lid. Underlid -proof conduit/pull wire under lid EB, WB SR520
AAR- Onsite 3 inspectors QA/QC lights underlid out of Genie manlift..

Public Comments:

None

Exceedances:

Site(s) 9 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, April 8, 2024 to Sunday, April 14, 2024 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, April 10, 2024												
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	54.6	52.4	48.3	47	45.4	47.6	50	54.9	56	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.4	68.5	56.1	55.9	58.3	55.9	55.8	58.6	61	N/A	N/A
Site 3A - Canterbury Shores	62	50.3	47.7	45.1	45.7	40.8	41.9	44.6	48	51.2	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.8	58.4	52.3	50.9	51	51.3	54.1	58.5	59.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.4	64.8	54	57.1	52.2	53.4	53.9	57.2	59.6	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.3	50.6	48.3	47.7	44.5	46	48.3	53.4	53	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	56.4	48.8	49.3	46.2	48.6	49.2	54.6	56.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.8	51.9	48.4	47.2	45	47.8	52.8	55.5	53.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.5	63.3	56.2	57.3	54.6	58.5	56.9	63.4	66	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.7	56.3	52.4	#N/A	48.9	52	54.9	60.6	62.7	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Graham- was not onsite during MPPCNV 10:30pm to 7:00am.
Valley electrical Solution- was onsite during MPPCNV hours between 10:30pm to 4:00am for QC/QA lights under lid on EB SR 520.
AAR- onsite inspecting lights under lid.
Systems Interface- Onsite to reconnect the BCS working off platform under floating bridge.
Public Comments:
no public comments at this time.

Exceedances:
.Site(s) 9 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, April 8, 2024 to Sunday, April 14, 2024 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, April 11, 2024												
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	62.2	51	49.6	47	44.7	48.3	48.2	54.8	56.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.1	58.2	58.1	54.8	53.2	56.4	56.3	59.9	62.1	N/A	N/A
Site 3A - Canterbury Shores	62	49.7	46	45.5	43.4	44.5	42.2	44.8	50.6	54.2	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	59.8	56.5	54.7	51.5	50.7	52.5	53.4	58.2	59.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.5	56.3	56.5	53.8	50.7	54.9	54.2	58	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.8	48.9	49.8	50.4	48.3	47.1	45	51.4	51.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	62.7	51.5	50.5	46.8	45.4	48	48.1	54.3	56	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.6	50.9	49.5	48.3	48.8	48	52.3	54.8	52	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	77	59.8	58.3	52.9	52.4	54.9	56.4	63.7	65.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67.2	56.5	53.9	52.3	50.2	52.3	53.3	60.1	62.5	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Graham- was not onsite during MPPCNV 10:30pm to 7:00am.
Valley electrical Solution- was onsite during MPPCNV hours between 10:30pm to 4:00am for QC/QA lights under lid on EB SR 520.
AAR- Onsite 3 inspectors QA/QC lights underlid out of Genie manlift.

Public Comments:
No public comments at this time.

Exceedances:
Site(s) 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.
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Monday, April 8, 2024 to Sunday, April 14, 2024 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, April 12, 2024												
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	53.7	53.5	49.8	49	46	46.3	51	53.5	55.2	57.7
Site 2 - 2015 E. Roanoke St	78	60.6	59.8	58.8	62.6	56.1	54	54.1	57	59.2	60.4	61.3
Site 3A - Canterbury Shores	62	53.2	52	52.8	47.6	48.5	44.5	44.4	46.8	50.8	51.5	55.1
Site 4A - 2110 E. Hamlin St	66	57	55.5	54.7	53.5	51.1	49.6	49.8	53.7	57.3	57.3	58.2
Site 5 - 2565 22nd Av E.	65	58.8	58	58.2	61	54.4	52.3	52.5	55.2	57.4	58.6	59.4
Site 6 - 2160 E. Hamlin St	63	50.7	49.7	50.6	48.6	45	44.4	44.2	49.1	52.9	51.4	53.2
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	52.8	52.5	53.9	49.2	46.6	46.1	50.5	53.6	55.3	56.7
Site 8 - Portable Between Sites 4 and 6	63	51.4	51.1	52.1	50.3	47.6	46.7	52.2	52.8	52.7	52.4	54.5
Site 9 - Portable Between Sites 1 and 7	66	63.5	60.8	59.8	59.1	58.1	54.4	53.4	58.3	61.3	63.7	65.7
Site 10 - Portable Between Sites 1 and 7	66	60.6	58.4	56.9	55.9	53.8	49.9	49.8	55.3	58.2	61	63

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Graham- not onsite no work.
Valley - Not onsite no work
Public Comments:None
Exceedances:
 Site(s) None
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, April 8, 2024 to Sunday, April 14, 2024 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, April 13, 2024												
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	55.7	53.6	51.9	49.5	50.6	47.5	46.6	49.9	53.2	54.5	55.4
Site 2 - 2015 E. Roanoke St	78	61.3	60	59.7	57.5	56.9	55.3	53.6	56.5	59.4	58.6	58.7
Site 3A - Canterbury Shores	62	52.2	51.4	50.5	47.5	46.9	45.9	43.7	47.6	50.8	51.4	52.2
Site 4A - 2110 E. Hamlin St	66	57.8	55.9	55.2	52.6	52.8	50.3	50	53.5	56.8	56.4	57.1
Site 5 - 2565 22nd Av E.	65	59.8	58.1	57.5	55.5	55.1	53.3	51.7	54.5	57.7	57.5	57.1
Site 6 - 2160 E. Hamlin St	63	55	53.5	51.2	50.4	52.1	49.5	49.7	53	53.4	53.5	50.5
Site 7 - 2209 E. Lake Wa Blvd	66	56.1	54.1	52.4	50.5	50.9	48.9	47	49.7	52.9	55.2	60.2
Site 8 - Portable Between Sites 4 and 6	63	54.9	53.4	51.8	50.5	52.2	48.9	48.6	51.3	53.6	53.3	53
Site 9 - Portable Between Sites 1 and 7	66	65.9	62	59.2	57.1	58.7	56	53.7	56.3	60.3	63.3	64.7
Site 10 - Portable Between Sites 1 and 7	66	60.7	58.5	56.3	55.8	54.6	51.1	50.6	54.1	57.4	60.1	61.8

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work: No weekend work.

Public Comments:

No public comments at this time.

Exceedances:

Site(s) None

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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The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Sunday, April 14, 2024												
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	51.8	48.6	48.3	46	47.5	40.2	46.1	53.3	55.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.8	55	53.2	55.2	50.6	48.6	53.2	58.4	60.7	N/A	N/A
Site 3A - Canterbury Shores	62	47.4	45.4	42	40	42.6	38.2	41.4	46.8	49.9	N/A	N/A
Site 4A - 2110 E. Hamlin St	66	57.1	54.3	52.4	52.2	50.2	48.2	53.7	58.5	59.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.4	53.5	52.2	54	49	47	51.5	57	59.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.8	49.1	48.3	48.3	45.3	42.5	50.9	53.9	52.9	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	49.7	48.2	49.8	45.3	42.2	47.2	53.8	55.8	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53	49.6	48.9	45.8	45.6	42.3	50.5	54.6	52.9	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61	58	56.9	54.1	52.9	50.6	55.2	63.6	65.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	57.8	54.3	53.5	54.8	54.9	44.5	51.5	59.1	61.9	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work: No weekend work

Public Comments:

No public comments at this time.

Exceedances:

None

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, April 8, 2024 to Sunday, April 14, 2024

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution