

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for **Monday, September 28, 2020** to **Sunday, October 4, 2020**

PUBLISHED OCTOBER 7, 2020

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: **416**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	6
Project related non-compliance this week	0
Nighttime noise issue comments to the project	3
Non-project-related noise exceedances this week	17

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	111
Total Project related non-compliance	42
Total noise issue comments to the project	44
Total non-project related exceedances	1631

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 28, 2020 to Sunday, October 4, 2020 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 28, 2020												
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	52.8	50.5	49.1	50.6	53.7	54.2	57.5	61.0	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.2	58.6	55.4	54.6	54.0	55.1	58.6	62.1	65.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.3	46.8	46.3	46.3	46.3	46.7	47.3	48.9	52.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.5	62.0	59.4	58.0	58.0	59.0	63.9	68.0	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.4	56.9	53.8	53.2	52.1	53.3	57.0	60.4	62.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.0	48.4	45.3	44.4	47.5	49.8	52.9	56.5	56.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.0	51.8	48.4	47.3	48.3	50.6	52.0	55.5	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.1	51.7	48.0	47.3	48.4	49.9	52.8	56.4	58.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.3	57.7	55.4	52.5	56.4	60.6	59.4	62.6	67.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.0	58.3	55.9	53.1	56.4	59.8	59.4	62.5	66.8	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 2:00am and 7:00am to backfill the hydrant at pier 2 east of 24th ave, pile delivery and Desing-Builder set up for their day work.

Public Comments:

6:43 a.m September 29th - Resident called the hotline to "ask what time work was supposed to start in the morning. She heard work starting at 6 a.m. over the last week and it was her understanding that 7 a.m. was the start time." The call required a follow-up. **See Public Notice Log for additional details.**

4:18 p.m September 29th - Resident emailed the project email "to say he was hearing early morning work activities around 2 AM." The email required a follow-up. **See Public Notice Log for additional details.**

Exceedances:

Site 4, site 9 and site 10 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 28, 2020 to Sunday, October 4, 2020 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 29, 2020												
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	54.8	52.7	50.4	51.9	49.1	50.0	53.3	56.5	59.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	57.2	55.0	54.9	54.2	55.3	58.1	60.1	62.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.3	46.6	46.3	46.5	46.3	46.4	47.0	47.6	48.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.5	60.7	58.0	58.3	59.4	59.6	65.3	67.5	69.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.0	55.4	53.0	53.3	52.0	53.0	55.9	57.8	60.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.8	52.0	50.9	53.1	47.8	49.1	53.0	52.5	54.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	56.9	50.6	49.2	49.4	47.4	48.2	51.7	54.5	57.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.4	51.5	50.1	53.8	49.0	48.6	52.4	54.2	55.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	70.0	56.5	54.0	54.5	52.3	52.5	56.9	61.1	65.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.1	58.1	54.2	55.1	53.0	53.3	58.1	62.4	66.2	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
Work: Design-Builder worked between 3:00am and 7:00am - pile delivery and Dsig-Builder set up for their day work.												
Public Comments: No public comments received related to nighttime noise.												
Exceedances: Site 4, site 9 and site 10 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 28, 2020 to Sunday, October 4, 2020 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 30, 2020												
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	52.9	51.7	47.3	50.9	51.0	53.3	55.6	59.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.4	59.1	56.4	53.6	53.8	54.0	58.4	60.9	62.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.6	46.6	46.4	45.9	46.2	46.0	46.8	48.1	51.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.1	62.5	60.2	57.8	57.2	58.4	62.8	67.5	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.7	57.2	54.5	51.7	51.7	52.1	56.5	59.1	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.4	51.1	47.5	44.0	47.1	45.8	49.7	50.7	53.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.3	51.4	50.0	46.0	49.6	48.0	51.9	53.2	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.6	51.2	49.3	46.1	48.2	47.0	51.5	52.7	55.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.8	57.6	57.1	50.8	58.5	54.2	58.8	60.6	64.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.9	58.5	58.3	51.5	58.4	60.6	58.6	61.7	65.9	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
Work: Design-Builder worked between 3:00am and 7:00am to backfill the hydrant at pier 2 east of 24th ave, demobing the mini excavator that is currently in pier 2 to pier 3, and pile delivery (No unloading).												
Public Comments: 7:34 a.m October 1st - Resident texted the project line "to say she'd been woken up at 2 a.m. with "ruckus" on the bridge. The text required a follow-up. See Public Notice Log for additional details.												
Exceedances: Site 4 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 28, 2020 to Sunday, October 4, 2020 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, October 1, 2020												
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	53.4	51.4	49.3	49.3	50.8	52.7	57.0	59.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.0	59.2	58.4	56.5	55.4	57.3	58.8	62.1	62.7	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	42.6	40.4	39.1	37.3	35.1	37.6	41.7	43.8	46.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.2	62.7	59.4	57.8	56.7	58.8	63.4	67.8	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.2	57.5	57.0	54.5	53.3	55.6	57.1	60.2	61.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	52.0	51.7	50.7	49.4	47.1	47.9	51.1	54.2	53.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.4	51.7	51.5	48.1	46.7	48.2	51.1	55.2	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	53.4	51.9	50.5	49.3	47.3	48.3	52.0	54.8	54.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.0	57.7	60.7	52.8	54.5	53.8	55.8	63.4	64.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.9	58.8	57.2	52.6	54.8	55.3	57.0	63.4	66.3	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
Work: Design-Builder worked between 3:00am and 7:00am - pile delivery (No unloading) and Design-Builder set up for their day work.												
Public Comments: No public comments received related to nighttime noise.												
Exceedances: Site 4 and site 10 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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Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, September 28, 2020 to Sunday, October 4, 2020 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 2, 2020												
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	54.8	52.8	50.2	50.6	47.9	50.3	51.6	53.3	56.8	57.8
Site 2 - 2015 E. Roanoke St	78	61.6	60.4	58.4	56.4	59.1	54.8	54.4	57.2	58.2	60.0	60.8
Site 3 - 3810 E. McGilvra St	62	44.9	42.6	39.8	38.9	38.7	34.8	39.8	43.0	49.6	41.8	43.6
Site 4 - 2800 Montlake Blvd E	66	65.0	63.0	61.1	58.5	68.0	58.3	62.0	61.2	56.9	56.6	58.2
Site 5 - 2565 22nd Av E.	65	59.8	58.7	56.8	55.7	57.2	52.6	52.8	55.5	56.4	58.1	59.0
Site 6 - 2160 E. Hamlin St	63	54.9	51.6	52.0	49.4	49.9	42.7	46.9	47.7	48.8	49.7	51.8
Site 7 - 2209 E. Lake Wa Blvd	66	55.2	52.9	51.4	49.0	50.2	45.5	48.7	50.6	51.1	54.3	55.4
Site 8 - Portable Between Sites 4 and 6	63	58.3	53.3	51.8	49.6	51.8	45.3	48.9	50.2	51.0	51.5	53.5
Site 9 - Portable Between Sites 1 and 7	66	61.6	59.4	57.2	54.9	54.6	49.6	56.2	57.3	58.9	62.3	62.8
Site 10 - Portable Between Sites 1 and 7	66	65.1	60.1	57.9	54.8	54.7	52.2	55.7	58.2	60.0	61.8	64.6

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 7:00am and 9:00am - and set up for their day work. Excavation at pier 1, driving piles, remove pier, set steel platform, saw cutting/coring remove sheet piles.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 4 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 28, 2020 to Sunday, October 4, 2020 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 3, 2020												
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	55.1	52.5	50.5	48.7	47.2	46.9	46.6	49.4	51.1	54.5	57.1
Site 2 - 2015 E. Roanoke St	78	59.0	57.6	57.7	55.8	54.6	53.6	53.7	56.0	57.8	60.1	61.2
Site 3 - 3810 E. McGilvra St	62	41.2	37.8	36.5	34.1	35.2	36.0	35.0	41.5	48.9	41.0	44.0
Site 4 - 2800 Montlake Blvd E	66	63.7	62.1	60.0	58.0	57.4	56.1	57.1	59.4	64.3	65.3	66.0
Site 5 - 2565 22nd Av E.	65	57.4	55.9	57.6	53.8	52.4	51.7	51.7	54.6	56.1	58.3	59.4
Site 6 - 2160 E. Hamlin St	63	50.0	47.4	44.4	41.8	42.6	43.4	40.7	43.2	46.1	48.2	51.5
Site 7 - 2209 E. Lake Wa Blvd	66	52.7	50.5	48.8	46.3	44.9	44.3	44.5	46.8	49.1	53.3	55.4
Site 8 - Portable Between Sites 4 and 6	63	55.1	49.4	47.0	44.5	45.2	45.7	44.1	45.8	48.7	51.2	54.0
Site 9 - Portable Between Sites 1 and 7	66	59.7	57.8	55.4	53.3	49.9	48.8	50.1	53.4	54.9	61.5	63.3
Site 10 - Portable Between Sites 1 and 7	66	61.8	59.1	56.5	55.4	51.1	50.7	51.9	56.4	56.4	61.3	64.1
*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 4 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).

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NOISE MONITORING - WEEKLY REPORT

Monday, September 28, 2020 to Sunday, October 4, 2020 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 4, 2020												
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	53.9	51.1	48.3	47.5	49.0	51.3	52.0	55.4	59.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	57.1	54.9	54.4	52.9	53.7	56.3	60.0	63.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	47.3	46.2	45.9	45.8	46.0	46.2	46.5	47.5	49.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.0	61.4	58.2	56.2	56.8	58.2	63.5	67.1	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.8	55.0	52.9	52.1	50.7	52.2	54.2	57.9	61.0	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.4	45.2	42.8	43.4	41.8	44.5	52.6	52.6	52.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.4	49.0	46.2	44.4	45.0	48.6	49.0	53.1	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.7	48.4	46.1	45.6	44.1	47.2	49.2	51.9	54.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.2	54.9	52.6	49.3	51.3	54.7	55.8	62.3	65.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	59.3	56.8	53.4	53.2	54.1	56.7	57.2	61.8	65.9	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
Work: Design-Builder worked between 3:00am and 7:00am - pile delivery (No unloading) and crane delivery.												
Public Comments: No public comments received related to nighttime noise.												
Exceedances: Site 4 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).

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NOISE MONITORING - WEEKLY REPORT

Monday, September 28, 2020 to Sunday, October 4, 2020

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
09/29/2020 - 11:35 a.m	To: Hotline From: Resident near site #8	Outside the MPPCNV Monitoring: Resident called the hotline ask what time work can begin. He thought it was at 7 a.m.	Bob Derry (Public Information Manager) answered the call and told him that work could occur 24 hours per day, but there were restrictions on when impact work can begin.
09/29/2020 - 4:18 p.m	To: Project email From: Resident near site #1	During the MPPCNV Monitoring: Resident emailed the project email "to say he was hearing early morning work activities around 2 AM."	Bob Derry (Public Information Manager) called resident and they determined the sounds were most likely due to American Bridge delivering trestle pile. Bob gave him the schedule of when those deliveries would be occurring. Resident said he would sleep with the windows closed those nights.
09/29/2020 - 6:43 a.m	To: Hotline From: Resident near site #8	During the MPPCNV Monitoring: Resident called the hotline "ask what time work was supposed to start in the morning. She heard work starting at 6 a.m. over the last week and it was her understanding that 7 a.m. was the start time."	Bob Derry (Public Information Manager) called resident and informed her that the project had people working 24 hours per day but that impact noise, such as jackhammering, couldn't begin until 7 a.m. on weekdays.
10/01/2020 - 7:34 a.m	To: Project line From: Resident near site #6	During the MPPCNV Monitoring: Resident texted the project line "to say she'd been woken up at 2 a.m. with "ruckus" on the bridge.	John Welch (Director of Construction) called her and let her know the specific work she hear was a one-off WB closure to gain access to the median to backfill a waterline and remove a mini-excavator. He also told her to expect nighttime deliveries between 3-4 a.m. for the next 2 weeks. Resident thanked John for the call.