

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, October 25, 2021 to Sunday, October 31, 2021

PUBLISHED NOVEMBER 3, 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: 808

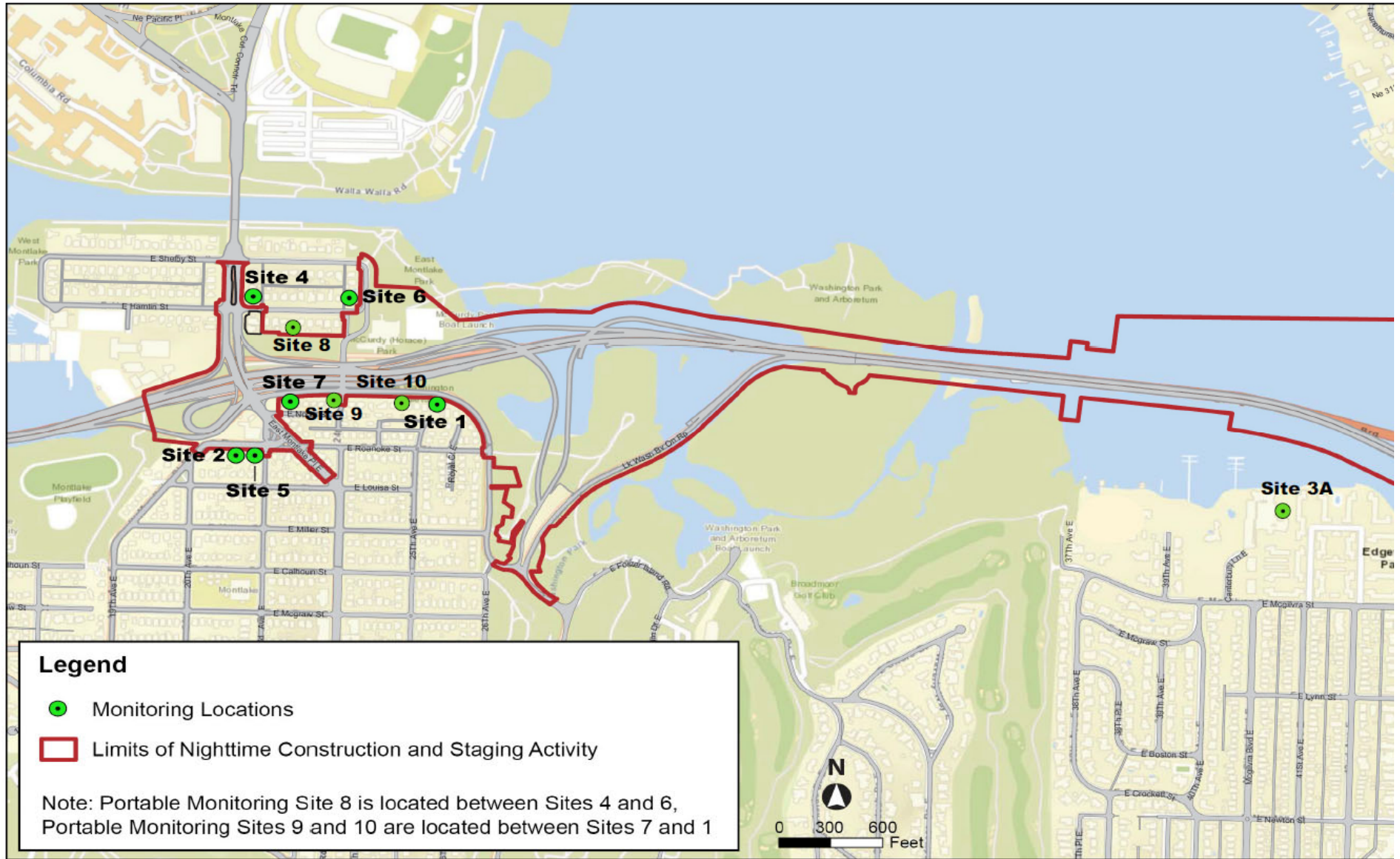
There were 11 MPPCNV noise exceedances but are not counted under the non-compliance due to the work being performed under TNV 6865282-NV.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	1
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	26

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	391
Total Project related non-compliance	109
Total noise issue comments to the project	108
Total non-project related exceedances	3012

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, October 25, 2021 to Sunday, October 31, 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, October 25, 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	54.0	53.5	49.3	47.6	50.9	51.3	52.6	56.0	58.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.7	57.3	54.3	53.3	54.8	55.8	58.1	59.6	61.0	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	51.3	51.1	49.2	48.5	49.3	48.9	49.3	51.4	53.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	60.3	59.2	56.1	54.4	54.2	53.7	63.3	65.1	66.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.2	55.8	52.6	50.9	53.2	52.9	54.4	57.4	59.7	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.9	56.1	52.4	48.1	49.8	50.1	51.6	55.7	57.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.1	51.7	47.6	46.9	48.9	52.1	49.6	55.4	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	55.5	51.6	48.3	50.3	50.7	51.8	55.8	58.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.7	60.7	55.5	55.0	56.1	62.4	58.8	64.2	65.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.4	61.8	55.2	53.9	57.0	57.8	60.8	64.6	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 7:00am to install lighting under the Montlake lid, install drainage, deliveries/unloading and set up for day work.

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.

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, October 25, 2021 to Sunday, October 31, 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, October 26, 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	56.1	54.1	49.6	52.5	49.9	49.7	51.4	56.3	58.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	61.6	59.1	57.8	57.9	57.0	56.4	58.9	61.0	61.3	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	54.0	56.3	56.0	48.6	47.0	46.0	48.4	52.5	52.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	61.9	59.2	55.1	78.0	52.2	53.8	63.5	65.2	67.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.8	57.1	54.8	54.5	53.9	52.8	55.6	58.6	59.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.2	56.9	49.2	71.7	50.2	48.7	52.1	54.3	57.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.0	51.7	47.6	50.0	47.6	46.7	49.7	54.2	56.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.4	56.6	49.7	58.0	49.9	49.2	52.9	55.5	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.6	60.0	56.4	59.6	56.6	55.4	58.5	63.1	64.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.7	59.6	55.7	59.0	56.0	56.4	58.1	64.5	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 7:00am to install lighting under the Montlake lid, install drainage, deliveries/unloading and set up for day work..

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 6 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, October 25, 2021 to Sunday, October 31, 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, October 27, 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	56.2	54.1	52.6	50.9	51.5	52.7	54.3	56.7	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	60.1	59.4	55.5	56.5	58.4	59.8	61.1	64.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	50.2	50.2	49.0	43.0	49.2	50.9	53.0	53.3	53.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	60.9	60.4	55.0	53.4	53.3	60.9	62.5	67.5	73.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	59.2	59.9	58.4	53.2	59.5	63.0	65.0	64.4	65.8	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	56.0	54.7	52.8	49.1	50.0	49.7	52.5	53.6	57.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.7	53.4	51.5	48.3	48.3	49.5	51.3	55.0	60.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.6	54.3	51.3	47.8	49.2	48.2	52.1	54.1	58.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	62.7	61.0	59.8	56.1	55.6	58.9	60.4	65.3	70.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.8	60.5	59.6	58.9	55.8	60.4	61.2	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 7:00am to install lighting under the Montlake lid, install drainage and set up for day work.

Public Comments:
No public comments received related to nighttime noise.

Exceedances:
Site(s) 4, 5, 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, October 25, 2021 to Sunday, October 31, 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, October 28, 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	60.2	58.9	57.6	56.7	55.1	55.3	56.0	58.2	60.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	64.7	63.7	62.7	61.9	59.9	60.0	60.6	62.0	63.5	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	57.2	56.6	55.8	54.3	53.2	52.5	53.1	53.5	56.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.6	60.9	59.3	56.9	55.1	54.8	64.2	67.9	70.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	65.8	65.8	65.8	65.7	64.4	63.6	63.8	64.1	64.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.0	55.9	54.0	53.1	51.2	51.0	51.6	52.2	54.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.3	56.4	54.6	53.6	50.9	52.8	53.2	56.0	59.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.5	56.9	54.3	52.7	50.8	50.8	51.6	54.3	56.8	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	65.8	63.8	62.1	60.5	58.0	62.1	63.0	66.0	68.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	67.3	65.2	64.3	64.5	61.7	63.4	63.7	66.7	68.9	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 7:00am to install lighting under the Montlake lid, install drainage and set up for day work.

Public Comments:
No public comments received related to nighttime noise.

Exceedances:
Site(s) 4, 5, 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.
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Monday, October 25, 2021 to Sunday, October 31, 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, October 29, 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	57.7	56.8	55.5	56.2	55.1	53.7	52.5	54.0	53.8	57.2	58.9
Site 2 - 2015 E. Roanoke St	78	62.0	61.0	59.2	57.7	56.5	56.0	55.3	57.5	58.7	61.1	62.8
Site 3A - 3810 E. McGilvra St	62	53.4	52.7	53.0	52.6	51.3	48.3	47.6	49.1	50.4	53.2	55.4
Site 4 - 2800 Montlake Blvd E	66	59.9	56.5	55.7	53.4	53.3	55.3	53.2	54.5	59.2	57.3	59.4
Site 5 - 2565 22nd Av E.	65	60.2	59.1	57.5	56.1	54.8	54.2	53.8	56.1	57.1	59.6	61.4
Site 6 - 2160 E. Hamlin St	63	53.9	55.0	53.1	53.0	52.9	51.0	49.7	51.0	52.0	55.5	57.0
Site 7 - 2209 E. Lake Wa Blvd	66	55.8	55.4	56.7	57.8	60.3	60.8	55.4	56.3	55.2	57.5	57.9
Site 8 - Portable Between Sites 4 and 6	63	56.2	58.4	58.0	57.1	60.3	59.6	60.0	57.5	54.7	57.2	59.2
Site 9 - Portable Between Sites 1 and 7	66	62.0	60.2	61.0	62.3	61.4	62.4	58.5	59.4	59.5	62.1	61.8
Site 10 - Portable Between Sites 1 and 7	66	61.6	60.4	60.2	63.5	62.2	60.8	60.9	60.7	57.5	61.9	62.9

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to relocate the WB off-ramp from SR520 to Montlake Blvd and Lake Washington Blvd, complete the paving on Montlake Blvd and on the EB Ramps. Weekend work is covered under TNV #6865282-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

No project related exceedances.

Non-Compliance:

- 2:21am PRS asphalt surface grinder was observed with a pure tonal backup alarm. Bryan Neet with PBS was notified, and Design-Builder attempted to remove the backup alarm but were unsuccessful. They were reminded that during the MPPCNV hours pure tonal backup alarms are not allowed.

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, October 25, 2021 to Sunday, October 31, 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, October 30, 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	59.8	59.6	59.2	57.4	56.7	53.0	51.8	53.1	52.9	55.7	57.3
Site 2 - 2015 E. Roanoke St	78	65.4	66.4	64.6	63.0	59.3	57.3	55.4	56.4	58.5	60.1	62.4
Site 3A - 3810 E. McGilvra St	62	53.8	53.8	53.8	51.8	51.0	47.9	45.7	46.2	48.8	51.3	52.8
Site 4 - 2800 Montlake Blvd E	66	59.5	59.4	59.1	62.3	56.3	55.7	54.6	55.1	56.6	57.6	58.2
Site 5 - 2565 22nd Av E.	65	63.3	64.2	61.7	60.6	57.0	54.8	53.3	54.8	56.9	58.2	60.4
Site 6 - 2160 E. Hamlin St	63	59.9	60.4	60.2	58.8	57.8	54.9	52.8	53.6	54.0	56.8	57.4
Site 7 - 2209 E. Lake Wa Blvd	66	63.7	59.8	61.9	59.8	59.9	60.0	56.2	55.2	53.2	55.8	56.1
Site 8 - Portable Between Sites 4 and 6	63	61.4	61.3	60.7	59.5	58.3	57.1	56.6	57.6	56.4	58.4	59.0
Site 9 - Portable Between Sites 1 and 7	66	68.1	65.4	66.7	68.3	63.1	63.0	58.7	59.9	59.5	62.0	61.9
Site 10 - Portable Between Sites 1 and 7	66	63.9	64.7	64.9	62.9	61.5	57.7	57.4	59.1	57.3	61.6	62.0

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to relocate the WB off-ramp from SR520 to Montlake Blvd and Lake Washington Blvd, complete the paving on Montlake Blvd and on the EB Ramps. Weekend work is covered under TNV #6865282-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 9 exceedances are work related. Exceedances are covered by TNV 6865282-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

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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, October 31, 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	56.9	55.2	54.3	60.5	52.2	55.2	53.5	58.3	60.6	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	62.1	59.3	59.0	56.1	56.1	58.3	58.8	62.2	64.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.1	50.0	48.8	47.7	48.3	48.3	49.2	53.9	56.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	60.3	57.0	58.6	55.5	54.8	58.7	60.7	65.3	67.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.8	57.2	57.3	54.6	54.2	57.3	57.3	60.1	62.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	57.8	56.0	55.6	57.4	54.4	52.9	54.3	57.1	58.6	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	64.8	59.4	57.1	58.9	58.5	63.3	59.1	55.1	57.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	58.9	56.7	60.7	57.3	58.5	55.1	55.2	57.6	59.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	70.4	72.1	61.7	60.6	61.5	72.0	66.9	62.9	64.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	69.1	65.8	64.1	73.3	63.0	74.6	67.9	75.3	76.0	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 5:00am to relocate the WB off-ramp from SR520 to Montlake Blvd and Lake Washington Blvd, complete the paving, striping on Montlake Blvd, Lake Washington Blvd and on the EB Ramps. Weekend work is covered under TNV #6865282-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4, 9 and 10 exceedances after 5am are not project related. Exceedances are caused by public traffic driving by the noise monitors.
 Site 9 and 10 exceedances from 10pm - 5am are work related. Exceedances are covered by TNV 6865282-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, October 25, 2021 to Sunday, October 31, 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	