WSDOT

SR 520 Montlake Project

* Updated Version

Monday, August 17, 2020

to

Sunday, August 23, 2020

Noise Monitoring Weekly Report Summary for

PUBLISHED AUGUST 27, 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, 2019MPPCNV days to date:374

There were 2 MPPCNV noise exceedances but are not counted under the non-compliance due to the work being performed under TNV 6794806-NV.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	3
Project related non-compliance this week	6
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	19

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	94
Total Project related non-compliance	37
Total noise issue comments to the project	34
Total non-project related exceedances	1513

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

Montlake Project MPPCNV Weekly Report

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

				Μ	onday, Augu	ist 17, 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	54.7	53.5	49.8	47.5	47.7	48.5	49.7	55.4	59.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.3	56.3	54.6	52.8	52.0	52.8	55.4	61.0	62.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.3	50.1	45.3	45.1	45.4	45.7	45.5	46.5	48.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.3	61.5	60.1	57.3	56.6	57.5	62.0	67.6	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65 57.6 54.9 52.8 51.4 50.3 51.2 53.4 58.7 60.7 N/A N/A										N/A	
Site 6 - 2160 E. Hamlin St	lin St 63 50.0 48.0 45.7 42.3 45.2 46.3 46.6 49.4 53.3 N/A N/A											
Site 7 - 2209 E. Lake Wa Blvd												
Site 8 - Portable Between Sites 4 and 6	63	52.0	51.0	48.0	46.5	47.8	48.5	48.5	51.6	54.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	57.6	56.6	53.2	51.1	51.3	51.9	53.1	65.9	64.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7 66 59.6 58.0 54.6 52.9 52.9 52.7 54.6 62.3 66.6 N/A N/A												N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
No nighttime construction work perform	ned.											
Public Comments:												
No public comments received related to	nighttime nois	ie.										
Exceedances:												
Site 4 and site 10 are not project related	. Exceedances	are caused by pu	blic traffic driving	by the noise mo	nitors.							
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

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

				Tu	iesday, Augu	st 18, 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	55.5	53.3	49.9	47.5	46.8	46.9	51.5	56.7	59.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	56.5	53.7	52.6	52.3	52.9	55.8	60.4	63.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.8	53.1	50.7	45.1	45.0	45.2	45.8	46.8	49.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	69.7	63.2	58.9	57.6	56.5	59.1	62.2	67.3	68.8	N/A	N/A
Site 5 - 2565 22nd Av E.	65	65 58.5 54.5 52.3 51.0 50.8 51.0 53.7 58.5 61.3 N/A N/A										N/A
Site 6 - 2160 E. Hamlin St	63 57.3 47.3 49.2 44.4 43.1 44.0 48.5 50.9 53.4 N/A N/A											
Site 7 - 2209 E. Lake Wa Blvd	66	52.1	49.7	48.0	45.0	44.1	44.6	49.1	54.5	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.3	49.2	49.1	46.8	46.3	46.8	49.7	52.6	54.7	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.1	57.5	54.0	51.3	50.5	49.0	54.7	62.6	65.9	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	Site 10 - Portable Between Sites 1 and 7 66 60.6 58.7 54.8 51.9 51.0 49.6 56.1 62.8 66.7 N/A N/A											N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												-
No nighttime construction work perform	ied.											
Public Comments:												
No public comments received related to	nighttime nois	ie.										
Exceedances:												
Site 4 and site 10 are not project related	. Exceedances	are caused by pu	blic traffic driving	g by the noise mo	onitors.							
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

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

				Wee	dnesday, Au	gust 19, 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	54.0	51.6	48.5	46.7	48.0	47.9	49.5	55.1	58.8	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.3	57.3	53.1	52.2	51.6	52.1	55.1	59.4	62.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	53.2	52.4	54.3	49.9	52.3	47.0	46.2	48.4	49.1	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.2	62.5	59.6	58.2	56.4	57.2	62.3	67.1	69.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	5 57.8 55.9 51.7 51.1 50.5 51.0 53.3 57.9 60.8 N/A N/A										N/A
Site 6 - 2160 E. Hamlin St	63 49.3 49.6 48.8 45.5 47.1 45.7 47.1 54.0 55.4 N/A N/A											
Site 7 - 2209 E. Lake Wa Blvd	66	51.6	49.9	46.7	45.3	45.2	46.3	48.2	53.6	57.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	51.6	51.0	48.2	46.9	49.4	47.0	48.4	54.5	56.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.2	56.5	54.1	51.1	50.5	56.1	56.8	61.4	66.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.8	57.9	54.8	52.9	51.5	53.3	55.2	61.8	66.4	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
No nighttime construction work perform	ned.											
Public Comments:												
No public comments received related to	nighttime nois	e.										
Exceedances:												
Site 4, site 9 and site 10 are not project r	elated. Exceed	ances are caused	by public traffic	driving by the no	oise 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

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

				Th	ursday, Augi	ust 20, 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	53.5	53.5	49.8	47.8	48.4	47.3	51.5	55.5	58.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.3	56.6	53.8	53.1	51.0	51.6	56.6	66.4	62.2	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	52.1	51.9	52.9	51.6	52.0	50.2	52.4	52.7	53.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	63.6	62.0	60.5	58.1	57.5	56.6	61.8	66.9	69.4	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.7	55.6	53.4	51.7	50.0	50.5	55.2	69.9	60.5	N/A	N/A
Site 6 - 2160 E. Hamlin St	63 51.7 50.3 48.5 45.5 47.3 47.0 51.9 53.7 54.3 N/A N/A											
Site 7 - 2209 E. Lake Wa Blvd	66	51.3	50.7	48.0	45.7	45.7	44.7	50.2	55.1	56.3	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.0	51.1	49.0	46.1	48.4	48.4	52.8	54.8	55.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	58.4	57.5	55.0	52.7	50.9	48.8	54.8	61.0	64.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.1	59.6	55.5	54.0	52.4	49.0	55.7	62.7	65.6	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
No nighttime construction work perform	ned.											
Public Comments:												
No public comments received related to	nighttime nois	ie.										
Exceedances:												
Site 4 and site 5 are not project related.	Exceedances a	re caused by pub	lic traffic driving	by the noise mor	nitors.							
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

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

				Fr	riday, August	t 21, 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	56.1	57.1	52.7	52.7	52.1	53.1	55.1	55.8	56.7	57.0	58.0	
Site 2 - 2015 E. Roanoke St	78	58.8	71.2	69.3	59.0	60.9	59.2	61.5	60.7	62.0	62.5	63.2	
Site 3 - 3810 E. McGilvra St	10 E. McGilvra St 62 52.2 46.2 46.0 46.4 46.1 46.2 47.0 47.4 48.3 48.6 49.5												
Site 4 - 2800 Montlake Blvd E	66	64.1	69.4	63.6	58.7	58.5	56.1	61.0	62.0	64.5	65.3	65.3	
Site 5 - 2565 22nd Av E.	65	57.2	68.7	66.7	56.6	57.9	56.7	60.2	58.7	60.1	60.9	61.7	
Site 6 - 2160 E. Hamlin St	63	53.3	53.4	50.8	50.7	50.4	50.7	50.8	51.6	53.5	54.5	54.0	
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	55.8	54.9	52.5	54.9	56.4	57.4	60.5	59.3	57.3	57.5	
Site 8 - Portable Between Sites 4 and 6	63	53.6	53.5	54.0	52.1	50.7	52.7	53.6	55.0	55.1	57.9	56.4	
Site 9 - Portable Between Sites 1 and 7	66	62.0	62.7	59.3	62.1	61.4	59.0	63.1	64.3	64.5	63.0	63.7	
Site 10 - Portable Between Sites 1 and 7	66	64.4	64.0	60.1	58.1	57.2	57.4	60.3	61.3	63.4	64.4	65.4	
*Hou	ly-Average Leo	(dBA)											

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am and though the weekend to performe a major traffic shift of both EB and WB SR-520 during a full weekend highway closure. Activities performing asphalt grinding, pavement demolition, utility and drainage installations, grading, paving, barrier install and removals, and pavement striping. The work being performed was covered under TNV 6794806-NV.

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. Site 5 are project related and are covered under TNV 6794806-NV.

Non-Compliance:

2:01am and 2:41am two dump trucks were observed banging their tailgates. Design-Builder was reminded to not bang their tailgates. 11:44pm a delivery truck used its compression breaks. Design-Builder was reminded of compression breaks usage not allowed. 5:15am two dump trucks not lined were observed. Design-Builder was reminded to lined their trucks.

Legend

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Blue = Noise level exceedance, not project related

 \sim = No Data Available

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

				Sa	turday, Augu	ist 22, 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	57.1	55.1	53.5	53.2	54.5	54.9	54.9	55.1	57.9	56.3	57.8
Site 2 - 2015 E. Roanoke St	78	60.9	60.3	59.8	59.0	58.5	57.5	56.6	57.8	58.4	59.5	60.8
Site 3 - 3810 E. McGilvra St	62	46.3	46.1	46.5	46.1	45.9	45.7	45.8	46.1	46.6	46.9	48.3
Site 4 - 2800 Montlake Blvd E	66	62.9	61.5	60.6	57.6	56.5	56.3	56.9	58.8	63.4	64.0	64.8
Site 5 - 2565 22nd Av E.	65	59.5	58.7	58.1	57.2	56.4	55.5	54.4	55.8	57.0	58.1	59.2
Site 6 - 2160 E. Hamlin St	63	50.1	51.3	47.5	48.1	48.7	48.5	48.8	48.6	52.2	51.3	52.8
Site 7 - 2209 E. Lake Wa Blvd	66	58.5	59.6	58.4	57.1	58.5	59.3	57.8	59.7	60.6	55.5	58.2
Site 8 - Portable Between Sites 4 and 6	63	54.6	56.3	52.1	54.6	55.6	53.1	52.2	52.3	54.2	54.4	57.6
Site 9 - Portable Between Sites 1 and 7	66	63.4	64.7	61.0	59.4	61.4	61.7	60.9	61.4	64.0	62.7	65.5
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.7	59.0	57.6	58.7	59.3	58.9	60.1	63.6	63.0	65.1
*Hou	rly-Average Leo	(dBA)	•									
Notes recorded by the on-site	Independ	ent Noise Mo	onitor									

Work:

Design-Builder worked between 10:00pm and 9:00am and though the weekend to performe a major traffic shift of both EB and WB SR-520 during a full weekend highway closure. Activities performing asphalt grinding, pavement demolition, utility and drainage installations, grading, paving, barrier install and removals, and pavement striping. The work being performed was covered under TNV 6794806-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

None.

Non-Compliance:

11:26pm a paving roller was observed with a pure tonal backup alarm. Design-Builder disconnected the tonal alarm prior to continuing their work.

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

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

				Su	unday, Augus	st 23, 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	60.6	58.2	57.5	53.6	53.8	52.3	51.8	55.7	59.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.1	56.6	57.1	56.0	57.7	53.6	55.0	59.8	61.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	50.9	45.7	45.7	45.5	45.4	46.0	46.1	47.6	50.3	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	71.7	60.6	57.6	56.2	57.6	57.4	61.2	67.1	68.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.2	55.3	55.2	53.4	55.1	53.2	52.9	57.7	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.9	48.0	49.2	47.5	47.0	46.3	47.1	51.1	52.2	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	52.1	55.0	50.2	49.2	49.7	48.9	53.4	57.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	52.2	51.5	51.7	48.2	48.2	44.0	48.4	51.9	54.0	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.7	59.8	61.9	59.8	58.2	58.5	57.8	60.8	65.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.5	61.8	61.5	58.9	61.1	58.4	58.2	62.0	66.2	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independ	ent Noise Mo	onitor									

Work:

Design-Builder worked between 10:00pm and 4:00am and though the weekend to performe a major traffic shift of both EB and WB SR-520 during a full weekend highway closure. Activities performing asphalt grinding, pavement demolition, utility and drainage installations, grading, paving, barrier install and removals, and pavement striping. The work being performed was covered under TNV 6794806-NV.

Public Comments:

4:42 p.m August 24th - A email was received from a resident that lives across the Arboretum to complaint about back up beepers and compression breaks. The email required a follow-up. See Public Notice Log for additional details.

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

 \sim = No Data Available

SR 520 Montlake Project Major Public Project Construction Noise Variance NOISE MONITORING - WEEKLY REPORT

Monday, August 17, 2020 to Sunday, August 23, 2020

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

blic Comment Log			
Date / Time	To/From	Issue	Resolution
08/22/2020 - 10:02pm	To: David Goldberg From: Resident across Portage Bay	going to have repeated closures of 520, sending people in circles, they	David Godberg (Community Liaison) replied to the resident stating that WSDOT construction managers are looking into it. Also stating he will follow -up. Resolved 08/27/2020.
08/23/2020 - 9:39pm	To: David Goldberg From: Resident across Portage Bay	Outside the MPPCNV Monitoring: Resident emailed David Goldberg (Community Liason) stated "I thought compression brakes were outlawed in Seattle or is the use part of the noise variance"	David Godberg (Community Liaison) to reply to the resident with talking points about compression brakes.
08/23/2020 - 12:32 p.m	To: Hotline From: Resident across Portage Bay	headed eastbound on SR 520, using compression brakes over Portage Bay.	Bob Derry (Public Information Manager) answered the hotline call at 12:30pm followed up with the resident to see if things had improved and to verify path of trucks. Resident said he'd heard one more truck. The trucks went into the project area and did not get off at Montlake. Bob asked resident to call the hotline if he heard more compression brakes. Resident did not call back, nor were there any oth calls that day.
08/24/2020 - 10:12 a.m	To: Hotline From: Resident in Portage Bay	Outside the MPPCNV Monitoring: Resident called the project hotline at 10:12 a.m. to say that trucks were using their compresion brakes this weekend while driving eastbound over the Portage Bay Bridge to our worksite. He said he heard them yesterday afternoon but not at night.	Bob Derry (Public Information Manager) answered the hotline call and the resident did not need a response.
08/24/2020 - 4:42 p.m	To: Project email From: Resident across the Arboretum	During the MPPCNV Monitoring: This past weekend on Friday, Sat and Sunday, there were long flatbed trailers carrying preformed concrete barriers. There were two of them typically traveling together, and each time one of the drivers did not use the jack brakes, and the second one did Back up beeper disturbance at 11:30pm.	Bob Derry (Public Information Manager) followed up with the resident and notified them to please call our hotline and report any instances of non-compliance. He also let the resident know that Graham reminded subcontractors about compression brake rules.