



## SR 520 Montlake Project

# Noise Monitoring Weekly Report Summary forMonday, November 16, 2020toSunday, November 22, 2020PUBLISHED NOVEMBER 25, 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:465

There were 12 non-compliance from Seattle City Light which are not counted towards the non-compliance count.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	0
Nighttime noise issue comments to the project	1
Non-project-related noise exceedances this week	33

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	142
Total Project related non-compliance	46
Total noise issue comments to the project	48
Total non-project related exceedances	1818

**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**

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

				Mor	nday, Noverr	ber 16, 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	55.8	54.6	53.4	50.4	51.9	56.9	56.3	57.8	60.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	65.7	59.6	58.4	57.9	57.0	56.3	58.6	62.8	64.0	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	44.1	42.9	41.1	39.8	40.6	40.5	44.4	48.0	50.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.5	62.7	61.2	59.5	58.8	58.4	63.8	68.5	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.8	57.5	56.4	55.5	54.7	54.5	56.9	61.1	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.5	54.7	52.9	49.8	48.5	52.8	52.8	56.1	57.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.2	54.8	54.2	52.6	52.4	52.0	53.5	57.2	58.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.5	55.6	54.8	54.3	53.3	54.4	54.5	57.5	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	61.2	59.6	60.7	55.4	56.9	55.4	59.8	64.3	65.7	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.6	61.2	60.8	55.7	56.8	58.6	60.5	64.3	67.3	N/A	N/A
*Hou	ly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
Design-Builder worked between 10:00pr	n and 7:00am	strip pier 1 wall(s	), shape soil free:	e shaft walls at t	he north pit, fibe	er relocation on N	Iontlake, and set	up for day work.				
Public Comments: No public comments received related to	nighttime nois	se.										
Exceedances: Site(s) 4 and 10 are not project related. E	xceedances ar	re caused by publ	ic traffic driving b	by the noise mon	itors.							
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

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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

1				Tue	sday, Novem	ber 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	57.0	55.1	52.9	53.1	61.3	56.2	57.2	57.7	60.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.8	60.8	58.0	58.1	57.5	54.8	58.1	62.2	64.1	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	50.0	48.8	47.7	49.5	42.7	41.7	47.5	50.9	51.4	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	66.5	66.1	63.1	61.6	59.0	59.1	65.2	69.9	71.6	N/A	N/A
Site 5 - 2565 22nd Av E.	65	60.0	59.9	56.9	57.9	56.4	52.8	56.5	60.5	62.2	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	58.9	55.9	51.8	52.1	51.0	48.2	51.6	55.6	55.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	57.3	56.1	54.0	54.1	57.1	51.9	53.7	57.2	59.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	59.5	58.4	56.5	55.1	54.7	54.1	54.6	57.9	58.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	63.8	62.0	59.3	57.6	60.6	55.5	59.8	64.4	68.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.6	62.0	59.3	58.4	65.6	59.1	61.4	65.1	68.3	N/A	N/A
*Hour	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
Design-Builder worked between 10:00pn	n and 7:00am	to strip/form pier	1. shape soil fre	eze wall at the no	orth pit, aerial sp	an wire and duct	installation on M	Iontlake Blvd. and	d set up for day w	vork.		
			,						,			
Public Comments:												
No public comments received related to	nighttime nois	e										
	ingrittine nois	<i></i>										
Exceedances:	- Exceedances	are caused by p	ublic traffic drivin	g by the noise m	onitors							
	l. Exceedances	are caused by pu	ublic traffic drivin	g by the noise m	onitors.							
Exceedances:	l. Exceedances	are caused by pu	ublic traffic drivin	g by the noise m	onitors.							

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

Monday, November 16, 2020 to Sunday, November 22, 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

				Wedn	esday, Nove	mber 18, 20	20					
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	53.0	51.5	50.2	49.8	50.5	57.2	57.7	56.3	58.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	58.2	56.8	55.4	53.3	53.2	54.2	57.4	60.2	62.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	43.0	40.5	39.0	39.8	41.5	39.3	39.9	43.4	45.9	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	65.0	65.3	66.5	69.8	58.7	58.9	64.0	68.3	70.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.8	55.3	53.7	52.1	51.6	52.4	55.4	58.5	60.9	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.5	52.5	52.4	54.3	53.5	50.2	51.4	55.6	57.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.7	52.8	51.5	51.2	51.6	51.9	53.0	55.2	57.9	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.3	54.9	53.8	54.5	55.9	54.5	54.3	57.0	58.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.0	57.6	57.0	54.9	56.3	57.9	58.7	62.4	66.2	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.6	58.9	58.1	56.0	57.3	60.6	60.6	63.6	66.8	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
Design-Builder worked between 10:00pr	n and 7:00am	to shape the soil	freeze walls, pier	1 forms, casings	delivery. Seattle	City Light install	light poles and tr	ansformer				
				, <sub>0</sub> .		, <u> </u>	0 11 11 11					
Public Comments:												
No public comments received related to	nighttime nois	0										
No public comments received related to	ingrittine nois											
Exceedances:												
Site(s) 4, 9 and 10 after 2am are not pro	ect related Ex	ceedances are ca	used by public tr	affic driving by th	ne noise monitor	2						
				• ,								
Site 4, 12am-1am and 1am - 2am exceed	ances are wor	k related Cause D	y Seatte City Ligh	coperating next	to the noise mon							
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

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

				Thur	sday, Noven	nber 19, 202	0					
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	54.2	53.4	52.9	49.5	50.9	56.3	52.3	58.4	60.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.4	59.7	57.5	55.9	55.7	55.7	59.2	62.4	63.9	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	44.7	42.9	47.8	41.9	39.5	37.0	42.0	47.6	49.0	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.7	71.5	62.0	68.9	72.3	59.4	64.9	70.3	71.3	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.9	59.0	55.9	53.6	53.6	53.3	57.0	60.3	62.3	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	54.2	53.1	53.1	50.0	49.8	47.8	51.3	54.8	57.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.3	56.9	54.3	52.2	51.8	52.3	54.2	57.3	59.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.0	55.2	55.9	55.3	54.7	53.8	56.3	56.9	58.6	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.4	63.3	58.3	56.3	55.7	55.0	62.9	65.4	68.4	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.1	62.4	58.6	56.0	56.3	58.1	57.9	66.4	68.2	N/A	N/A
*Hou	rly-Average Leq	(dBA)					•		•			
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work: Design-Builder worked between 10:00pr	m and 7:00am	to shape soil free	ze shaft walls, fo	rm pier 1. Seattle	e City Light to set	set poles at Mon	tlake and Hamlin	ı St.				
Public Comments: 8:45 a.m November 20th - Resident call	ed the project l	notline to compla	in about constru	ction noise and li	ghts during the r	night. The call rec	quired a follow-u	p. See Public No	tice Log for addit	ional details.		
Exceedances:												
Site(s) 4, 9 and 10 after 3am are not pro	ject related. Ex	ceedances are ca	used by public tr	affic driving by th	ne noise monitor	5.						
Site 4, 11pm - 12am, 1am - 2am, and 2a	m - 3am exceed	dances are cause	d by Seattle City l	ight operating ne	ear the noise mo	nitor.						
Non-Compliance:												

- 11:35pm Seattle City Light equipment was observed with backup alarm as they backed up a couple of times and when it left the construction site.

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

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

				Fric	lay, Novemb	er 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	53.9	52.5	51.2	49.1	50.7	47.5	50.3	52.6	57.5	59.0	60.4
Site 2 - 2015 E. Roanoke St	78	58.5	57.6	56.3	56.2	54.6	52.6	53.9	56.8	59.6	61.1	63.3
Site 3 - 3810 E. McGilvra St	62	43.0	40.4	39.4	38.5	40.2	37.0	41.4	40.3	45.3	47.4	54.5
Site 4 - 2800 Montlake Blvd E	66	66.9	68.3	72.3	67.3	58.6	60.0	58.1	62.8	66.9	67.4	67.8
Site 5 - 2565 22nd Av E.	65	56.7	56.0	54.5	54.2	52.9	50.6	52.6	55.0	57.7	59.1	61.5
Site 6 - 2160 E. Hamlin St	63	54.0	52.6	50.6	46.3	49.8	48.5	50.6	50.8	53.3	54.1	55.4
Site 7 - 2209 E. Lake Wa Blvd	66	53.5	52.5	50.5	49.7	49.7	47.3	50.1	52.8	56.2	57.2	59.6
Site 8 - Portable Between Sites 4 and 6	63	57.0	55.2	53.9	52.8	54.0	52.8	54.3	54.5	55.4	57.9	59.9
Site 9 - Portable Between Sites 1 and 7	66	59.7	58.3	56.4	54.8	55.7	50.4	54.7	60.8	66.8	66.2	67.5
Site 10 - Portable Between Sites 1 and 7	66	60.9	59.6	57.6	55.5	57.3	50.3	55.8	60.8	66.6	66.2	69.0
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	e Independ	lent Noise M	lonitor									
Work:												
Design-Builder worked between 10:00p	m and 9:00am	to shape soil fre	eze shaft walls at	the north pit and	Seattle City Light	t wire poles on N	1ontlake Blvd an	d Hamlin st				

#### Public Comments:

No public comments received related to nighttime noise.

#### Exceedances:

Site(s) 4, 9 and 10 after 2am are not project related. Exceedances are caused by public traffic driving by the noise monitors. Site 5, 10pm - 11pm, 11pm - 12am, 12am - 1am and 1am - 2am exceedances are caused by Seattle City light operating near the noise monitor.

#### Non-Compliance:

- Seattle City Light - 11:35pm two vehicles were observed with backup alarm as they backed up a couple of times and when it left the construction site.

#### 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

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

				Satu	ırday, Noven	nber 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	55.4	53.9	52.6	51.2	51.5	50.5	49.5	51.7	53.9	55.8	57.1
Site 2 - 2015 E. Roanoke St	78	60.7	58.9	58.2	56.0	54.8	54.3	54.3	56.0	59.4	60.5	61.1
Site 3 - 3810 E. McGilvra St	62	43.0	41.9	40.8	40.6	39.8	41.1	37.4	42.5	42.7	45.6	46.4
Site 4 - 2800 Montlake Blvd E	66	65.0	62.3	60.5	58.9	57.4	58.2	58.9	62.5	65.8	65.4	66.2
Site 5 - 2565 22nd Av E.	65	58.8	57.0	56.2	54.1	52.8	52.7	52.2	54.3	57.4	58.6	59.5
Site 6 - 2160 E. Hamlin St	63	55.7	55.6	51.8	51.6	52.0	52.8	50.0	51.1	51.8	56.1	54.6
Site 7 - 2209 E. Lake Wa Blvd	66	55.1	53.3	51.9	50.4	50.1	49.7	49.2	50.9	53.1	55.2	56.8
Site 8 - Portable Between Sites 4 and 6	63	56.2	55.7	54.7	53.9	54.3	54.0	52.8	55.1	54.8	56.4	55.9
Site 9 - Portable Between Sites 1 and 7	66	60.7	58.9	57.4	57.4	54.5	53.7	53.6	56.7	57.9	60.3	62.4
Site 10 - Portable Between Sites 1 and 7	66	61.5	59.4	57.5	56.3	54.9	54.3	55.4	58.2	59.4	61.3	63.9
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
Design-Builder worked between 10:00pr	n and 6:00am t	to shape soil free	ze shaft walls at t	he north pit								
Public Comments: No public comments received related to	nighttime nois	e.										
Exceedances: Site(s) 4 are not project related. Exceeda	nces are cause	d by public traffi	c driving by the n	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

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

				Sun	day, Novem	ber 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	52.9	50.8	49.5	47.2	50.0	49.6	55.7	57.8	59.9	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.3	58.0	57.3	57.0	55.9	55.9	59.5	62.7	64.2	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	40.5	38.3	39.4	36.9	41.7	39.5	48.8	49.3	51.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.2	61.6	59.8	59.5	60.6	58.6	65.5	70.0	73.5	N/A	N/A
Site 5 - 2565 22nd Av E.	65	56.8	55.4	54.4	54.1	53.1	52.7	58.2	61.1	62.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.9	50.3	49.8	47.5	50.2	48.8	53.5	56.0	58.0	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	53.1	51.5	50.4	48.8	49.9	49.2	54.0	56.9	59.1	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.6	53.1	52.9	51.4	53.1	51.6	54.6	57.1	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.3	56.9	55.9	55.9	54.4	53.5	59.7	64.8	67.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	60.0	58.2	55.8	53.8	54.6	54.6	61.0	65.2	68.1	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	Independe	ent Noise Mo	onitor									
Work:												
Design-Builder worked between 10:00pr	m and 5:00am	to install forms fo	or pier 1, casing de	elivery								
Public Comments: No public comments received related to	nighttime nois	e.										
Exceedances: Site(s) 4, 9 and 10 are not project related	d. Exceedances	are caused by pu	ublic traffic driving	g by the noise m	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

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

Monday, November 16, 2020 to Sunday, November 22, 2020

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

Date / Time	To/From	Issue	Resolution
11/20/2020 - 8:45 a.m	To: Project hotline From: Resident near site #8	During the MPPCNV Monitoring: Resident called to report disruptive noise and construction lights during the night. Resident said construction lights shine directly into her house, and she's been woken up by construction noise the past few nights. She said she's not sure what the noise is, but it sounds like drilling and is very loud. Resident said she wished she had been notified about this work, and asked if the project is still offering hotels.	Hayley(Communications Staff) said she would check with the team about the noise and lights. Hayley called the resident at 9:30 a.m to let her know that they determined the source of the light and offered her a hotel room for Friday, Saturday and Sunday nights. As of 4 p.m., resident has not called back to request a hotel room The Graham team has repositioned the offending work light.