WSDOT

SR 520 Bridge Replacement and HOV Program Montlake Project



Sunday, April 12, 2020

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for PUBLISHED APRIL 15, 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:

Monday, April 6, 2020

to

- 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:241

Beginning Thursday, March 26th, project construction is suspended due to the COVID-19 outbreak. Beginning Tuesday, April 7th, the noise monitoring system is shutdown during the work stoppage.

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	0
Project related non-compliance this week	0
Nighttime noise issue comments to the project	0
Non-project-related noise exceedances this week	2

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	74
Total Project related non-compliance	17
Total noise issue comments to the project	23
Total non-project related exceedances	1288

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

				I	Monday, Api	ril 6, 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	51.5	49.5	47.7	45.4	45.0	45.0	50.0	50.8	54.1	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	57.7	57.0	54.2	52.4	51.6	50.6	54.3	56.8	59.6	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	46.7	45.5	45.9	45.6	45.5	45.0	48.0	49.8	48.7	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.8	61.6	58.3	57.3	56.9	57.2	62.5	65.8	68.2	N/A	N/A
Site 5 - 2565 22nd Av E.	65	55.5	54.3	51.7	49.9	49.2	47.8	52.5	54.1	57.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	50.2	49.3	47.8	44.8	45.5	44.8	52.3	54.7	54.7	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	51.5	49.9	48.0	45.8	45.5	45.1	49.8	50.7	54.2	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	e Independ	lent Noise M	onitor									
Work:												
No nighttime construction work perforn	ned.											
Public Comments:												
No public comments received related to	nighttime noi	se.										
Exceedances:												
Not project related. Exceedances are ca	used by public	traffic driving by	the noise monito	irs.								
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

Site 1 - 2449 E. Lk WA Blvd 67 ~ <td< th=""><th></th><th></th><th></th><th></th><th></th><th>Tuesday, Ap</th><th>ril 7, 2020</th><th></th><th></th><th></th><th></th><th></th><th></th></td<>						Tuesday, Ap	ril 7, 2020						
Site 2 - 2015 E. Roanoke St 78 ~ <td< th=""><th>te</th><th>Site limit*</th><th>10pm - 11pm</th><th>11pm - 12am</th><th>12am - 1am</th><th>1am - 2am</th><th>2am - 3am</th><th>3am - 4am</th><th>4am - 5am</th><th>5am - 6am</th><th>6am - 7am</th><th>7am - 8am</th><th>8am - 9am</th></td<>	te	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 3 - 3810 E. McGilvra St 62 ~ <t< td=""><td>te 1 -2449 E. Lk WA Blvd</td><td>67</td><td>~</td><td>~</td><td>~</td><td>~</td><td>~</td><td>~</td><td>~</td><td>~</td><td>~</td><td>N/A</td><td>N/A</td></t<>	te 1 -2449 E. Lk WA Blvd	67	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 3 - Saudic michands in the model of the system of of the s	te 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E. 65 ~<	te 3 - 3810 E. McGilvra St	62	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St 63 Site 7 - 2209 E. Lake Wa Blvd 666 Comparison Site 8 - Portable Between Sites 1 and 7 66 # # <td>te 4 - 2800 Montlake Blvd E</td> <td>66</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>N/A</td> <td>N/A</td>	te 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd 66 ~ <td>te 5 - 2565 22nd Av E.</td> <td>65</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>N/A</td> <td>N/A</td>	te 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 1 and 7 63 # <td>te 6 - 2160 E. Hamlin St</td> <td>63</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>N/A</td> <td>N/A</td>	te 6 - 2160 E. Hamlin St	63	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 9 - Portable Between Sites 1 and 7 66 # <td>te 7 - 2209 E. Lake Wa Blvd</td> <td>66</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>N/A</td> <td>N/A</td>	te 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 10 - Portable Between Sites 1 and 7 66 # <td>te 8 - Portable Between Sites 4 and 6</td> <td>63</td> <td>#</td> <td>#</td> <td>#</td> <td>#</td> <td>#</td> <td>#</td> <td>#</td> <td>#</td> <td>#</td> <td>N/A</td> <td>N/A</td>	te 8 - Portable Between Sites 4 and 6	63	#	#	#	#	#	#	#	#	#	N/A	N/A
*Hourly-Average Leq (dBA) Notes recorded by the on-site Independent Noise Monitor Work: No nighttime construction work performed. The contractor requested to shut the noise monitoring system down during the work shutdown. City of Seattle approved the request, and requested to have the system operating when night work resumes. Public Comments: No public comments received related to nighttime noise. Exceedances: Not project related. Exceedances are caused by public traffic driving by the noise monitors. Non-Compliance:	te 9 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
Notes recorded by the on-site Independent Noise Monitor Work: No nighttime construction work performed. The contractor requested to shut the noise monitoring system down during the work shutdown. City of Seattle approved the request, and requested to have the system operating when night work resumes. Public Comments: No public comments received related to nighttime noise. Exceedances: Not project related. Exceedances are caused by public traffic driving by the noise monitors. Non-Compliance:	te 10 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
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Non-Compliance:	ceedances:												
Non-Compliance:	ot project related. Exceedances are o	aused by public	traffic driving by	the noise monito	ors.								
	on-Compliance:												
	-												

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

				W	ednesday, A	pril 8, 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	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	e Independ	lent Noise M	onitor									
Work:												
No nighttime construction work perforr	ned.											
Public Comments:												
No public comments received related to	o nighttime noi	se.										
Exceedances:												
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Not project related. Exceedances are ca	used by public	trainc driving by	the noise monito	JIS.								
Non-Compliance:												
None.												
Legend												

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20 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

				T	⁻ hursday, Ap	ril 9, 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	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	e Independ	lent Noise M	onitor									
Work:												
No nighttime construction work perform	ned.											
Public Comments:												
No public comments received related to	nighttime noi	se.										
	0											
Exceedances:												
Not project related. Exceedances are ca	used by public	traffic driving by	the noise monito	ors								
	used by public		the holse monite									
Non-Compliance:												
None.												
Legend												

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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

				I	Friday, April	10, 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	~	~	~	~	~	~	~	~	~	~	~
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	~	~
Site 3 - 3810 E. McGilvra St	62	~	~	~	~	~	~	~	~	~	~	~
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	~	~
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	~	~
Site 6 - 2160 E. Hamlin St	63	~	~	~	~	~	~	~	~	~	~	~
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	~	~
Site 8 - Portable Between Sites 4 and 6	63	#	#	#	#	#	#	#	#	#	#	#
Site 9 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	#	#
Site 10 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	#	#
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	e Independ	lent Noise M	onitor									
Work:												
No nighttime construction work perform	ned.											
Public Comments:												
No public comments received related to	nighttimo noi	50										
No public comments received related to	ingrittime noi	56.										
Exceedances:												
Not project related. Exceedances are ca	used by public	traffic driving by	the noise monito	rs.								
Non-Compliance:												
None.												

Legend

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Red = Noise Level Exceedance, project related

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~ = 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

				S	aturday, Apr	il 11, 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	~	~	~	~	~	~	~	~	~	~	~
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	~	~
Site 3 - 3810 E. McGilvra St	62	~	~	~	~	~	~	~	~	~	~	~
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	~	~
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	~	~
Site 6 - 2160 E. Hamlin St	63	~	~	~	~	~	~	~	~	~	~	~
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	~	~
Site 8 - Portable Between Sites 4 and 6	63	#	#	#	#	#	#	#	#	#	#	#
Site 9 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	#	#
Site 10 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	#	#
*Hou	rly-Average Leo	(dBA)										
Notes recorded by the on-site	e Independ	lent Noise M	onitor									
Work:												
No nighttime construction work perform	ned.											
Public Comments:												
No public comments received related to	o nighttime noi	se.										
Exceedances:												
Not project related. Exceedances are ca	used by public	traffic driving by	the noise monito	ors.								
Non-Compliance:												
None.												

Legend

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N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

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~ = 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

					Sunday, Apri	l 12, 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	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 3 - 3810 E. McGilvra St	62	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 5 - 2565 22nd Av E.	65	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	~	~	~	~	~	~	~	~	~	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	#	#	#	#	#	#	#	#	#	N/A	N/A
*Hou	rly-Average Leq	(dBA)										
Notes recorded by the on-site	e Independ	lent Noise M	onitor									
Work:												
No nighttime construction work perform	ned.											
Public Comments:												
No public comments received related to	nighttime noi	se.										
···· ,-···· ··· ··· ··· ··· ··· ··· ···												
Exceedances:												
Not project related. Exceedances are ca		traffic driving by	the noise monito	Nrc .								
Not project related. Exceedances are ca	used by public	traine unving by	the noise monito	// 3.								
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, April 6, 2020 to Sunday, April 12, 2020

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
		No noise related complaints.	