



SR 520 Bridge Replacement and HOV Program

SR 520/I-5 Express Lanes Connection Project



SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Projects Construction Noise Variance #6733975-NV

Noise Monitoring Weekly Report Summary for **Monday, June 17, 2024** to **Sunday, June 23, 2024**

PUBLISHED October 25, 2023

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 SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements 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 five 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

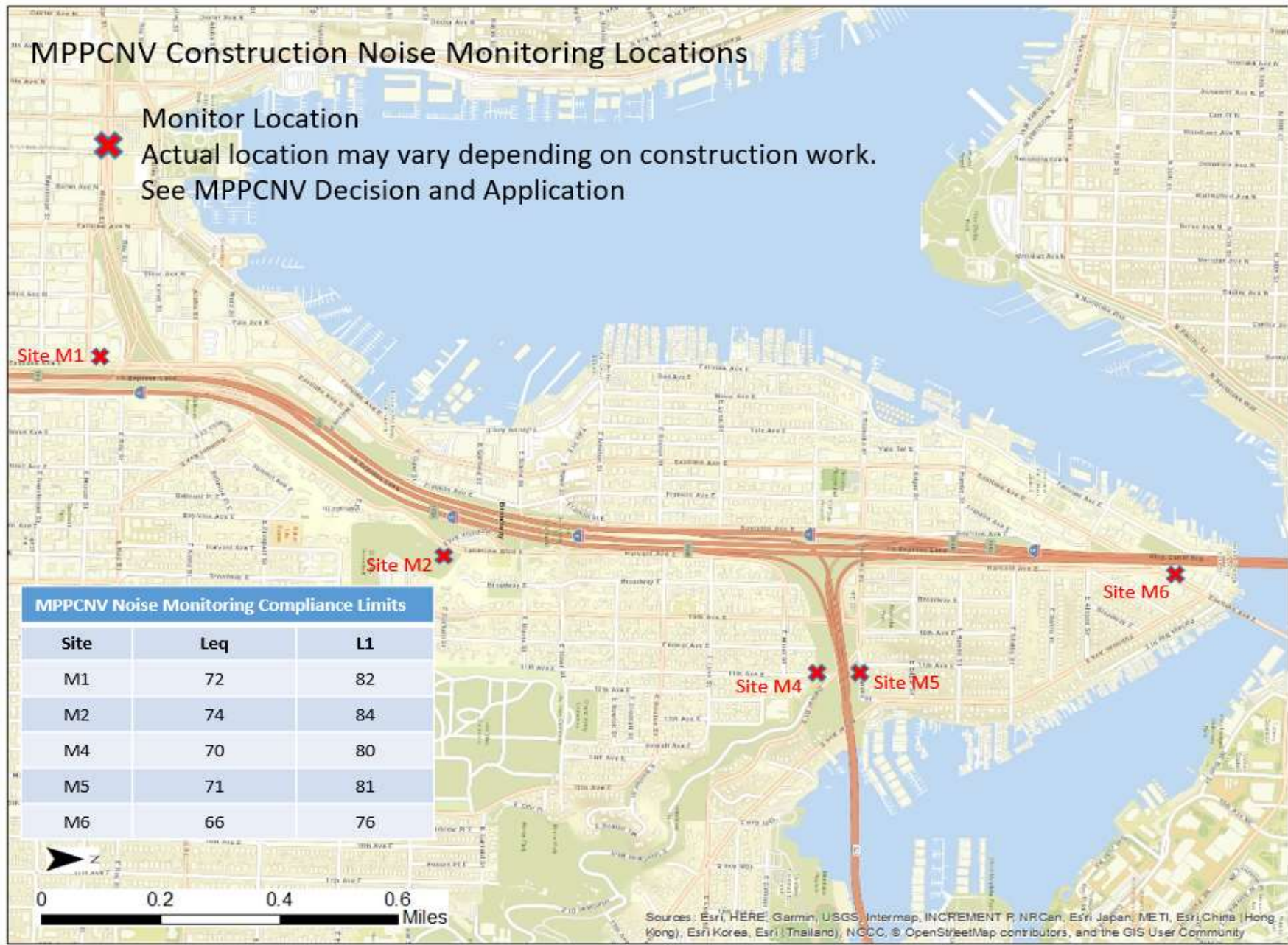
WSDOT is sharing this information as per the terms of the Major Public Project Construction Noise Variance (Permit #6733975).

MPPCNV start date: **Tuesday, August 23, 2022**

MPPCNV days to date: **671**

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	5
Public nighttime noise issue comments to project	0
Project related exceedances this week	0
Other Project-related non-compliance events this week	0
Non-project-related noise exceedances this week	119

PROJECT TOTALS TO DATE	
Total Nights Worked	585
Total public noise issue comments to project	24
Total Project related exceedances	28
Total Other Project related non-compliance events	19
Total non-project related exceedances	16002



SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024 to Sunday, June 23, 2024 10 pm to 7 am (weekdays)/ 9am (weekends)

The table below includes data gathered from noise monitoring equipment in the Project area

Monday, June 17, 2024													
Site	Site limit (dBA)	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am	
M1 - 624 Yale Ave N	1 Hr Leq	72	68.2	66.5	70.8	63.3	63.5	62.7	65.3	69.2	71.9	N/A	N/A
	1 Hr L1	82	71.6	70.3	68.0	66.2	67.5	64.9	68.0	72.5	74.6	N/A	N/A
M2 - 1547 Boylston Ave E	1 Hr Leq	74	68.2	66.8	69.5	69.7	70.4	71.1	74.7	77.7	78.8	N/A	N/A
	1 Hr L1	84	69.7	69.0	72.6	72.9	73.6	74.7	77.7	79.8	80.3	N/A	N/A
M4 - 3625 Federal Ave E	1 Hr Leq	70	61.7	62.0	55.6	51.6	50.9	52.7	56.4	61.0	61.3	N/A	N/A
	1 Hr L1	80	64.4	63.0	58.8	55.5	54.7	55.8	59.7	63.7	63.9	N/A	N/A
M5 - E Roanoke St & 10th Ave E	1 Hr Leq	71	63.6	61.8	58.6	55.3	53.2	55.4	59.1	63.3	64.7	N/A	N/A
	1 Hr L1	81	66.7	64.6	61.7	58.5	56.4	58.4	62.2	65.8	67.9	N/A	N/A
M6 - 3125 Eastlake Ave E	1 Hr Leq	66	75.1	68.6	61.1	61.1	59.2	60.6	67.8	79.0	80.3	N/A	N/A
	1 Hr L1	76	78.7	73.0	63.9	62.9	62.8	64.0	68.5	82.2	82.6	N/A	N/A
Mobile - 2411 Boylston Ave E	1 Hr Leq	71	72.9	71.3	68.5	66.7	67.1	68.4	71.4	74.7	75.4	N/A	N/A
	1 Hr L1	81	75.0	73.5	71.0	68.9	68.7	70.5	73.6	76.7	77.0	N/A	N/A
Notes recorded by the on-site Independent Noise Monitor													
<p>Work: Walsh was in the express lanes working under the bridge Valley was at Mercer working on conduits</p> <p>Public Comments: None</p> <p>Exceedances: Site(s) M1, M2, M6 & Mobile exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.</p> <p>Non-Compliance Events: None.</p>													

Legend

N/A = Time Period not applicable to MPPCNV

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

L1 = L1 means the Sound level exceeded for 1 percent of the measurement duration (i.e., 36 seconds per hour)

Red = Noise Level Exceedance (Project Related)

Blue = Noise Level Exceedance (Not Project Related)

~ = No Data Available

SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024

to

Sunday, June 23, 2024

10 pm to 7 am (weekdays)/ 9am (weekends)

The table below includes data gathered from noise monitoring equipment in the Project area

Tuesday, June 18, 2024												
Site	Site limit (dBA)	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
M1 - 624 Yale Ave N	1 Hr Leq	72	66.7	62.8	61.0	59.8	59.2	63.4	64.9	69.2	70.4	N/A
	1 Hr L1	82	69.4	64.6	63.0	61.6	61.1	64.5	67.5	72.7	73.5	N/A
M2 - 1547 Boylston Ave E	1 Hr Leq	74	75.9	75.5	74.2	72.1	71.9	72.0	74.7	77.8	78.8	N/A
	1 Hr L1	84	77.6	77.5	76.6	75.2	75.2	75.6	77.7	80.0	80.4	N/A
M4 - 3625 Federal Ave E	1 Hr Leq	70	60.9	59.2	57.3	54.9	54.5	54.7	57.4	61.3	62.3	N/A
	1 Hr L1	80	62.8	61.5	59.2	57.5	57.0	57.4	60.1	63.4	64.0	N/A
M5 - E Roanoke St & 10th Ave E	1 Hr Leq	71	62.7	61.2	59.1	55.9	55.9	55.9	58.4	62.3	64.8	N/A
	1 Hr L1	81	65.6	63.9	61.2	58.6	58.4	58.4	61.5	64.7	67.4	N/A
M6 - 3125 Eastlake Ave E	1 Hr Leq	66	76.3	68.3	61.2	64.6	60.7	61.1	63.0	78.8	79.9	N/A
	1 Hr L1	76	79.7	71.2	64.1	64.3	63.9	64.6	65.8	81.8	82.2	N/A
Mobile - 2411 Boylston Ave E	1 Hr Leq	71	73.0	71.0	69.6	68.0	67.3	67.5	71.0	73.4	74.6	N/A
	1 Hr L1	81	74.9	74.1	72.2	70.9	69.2	69.5	73.1	75.1	76.4	N/A
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: Walsh was working in the Mercer median Walsh was in the Express Lanes pulling wood from the bridge</p> <p>Public Comments: None</p> <p>Exceedances: Site(s) M1, M2, M6 & Mobile exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.</p> <p>Non-Compliance Events: None.</p>												

Legend

N/A = Time Period not applicable to MPPCNV

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

L1 = L1 means the Sound level exceeded for 1 percent of the measurement duration (i.e., 36 seconds per hour)

Red = Noise Level Exceedance (Project Related)

Blue = Noise Level Exceedance (Not Project Related)

~ = No Data Available

SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024

to

Sunday, June 23, 2024

10 pm to 7 am (weekdays)/ 9am (weekends)

The table below includes data gathered from noise monitoring equipment in the Project area

Wednesday, June 19, 2024												
Site	Site limit (dBA)	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
M1 - 624 Yale Ave N	1 Hr Leq	72	69.8	68.6	68.2	62.8	64.1	62.9	65.4	68.7	70.3	N/A
	1 Hr L1	82	71.2	71.1	69.7	65.5	66.9	64.7	68.1	72.2	73.3	N/A
M2 - 1547 Boylston Ave E	1 Hr Leq	74	76.7	77.8	77.2	76.3	75.9	75.2	73.8	72.2	71.7	N/A
	1 Hr L1	84	78.3	79.1	78.7	77.9	77.5	77.2	76.3	75.4	75.2	N/A
M4 - 3625 Federal Ave E	1 Hr Leq	70	63.2	63.4	63.0	62.0	61.4	59.2	56.4	54.7	53.4	N/A
	1 Hr L1	80	64.5	64.5	64.2	63.6	62.8	61.2	59.0	57.2	56.1	N/A
M5 - E Roanoke St & 10th Ave E	1 Hr Leq	71	65.3	64.7	64.2	63.5	62.9	60.4	58.6	55.7	54.9	N/A
	1 Hr L1	81	68.3	67.3	66.7	66.1	65.1	63.0	61.1	58.4	57.7	N/A
M6 - 3125 Eastlake Ave E	1 Hr Leq	66	79.2	78.4	77.6	76.9	75.8	68.1	60.6	59.8	59.3	N/A
	1 Hr L1	76	81.9	81.3	80.7	80.2	79.2	70.2	63.3	63.3	62.9	N/A
Mobile - 2411 Boylston Ave E	1 Hr Leq	71	71.7	73.0	72.9	72.5	71.5	70.2	68.7	67.0	66.8	N/A
	1 Hr L1	81	74.1	75.2	74.9	74.6	73.9	72.6	70.9	69.1	68.9	N/A
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: Walsh was in the express lanes working under the bridge Walsh/Valley were working in the Mercer area</p> <p>Public Comments: None.</p> <p>Exceedances: Site(s) M1, M2, M6 & Mobile exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.</p> <p>Non-Compliance Events: None.</p>												

Legend

N/A = Time Period not applicable to MPPCNV

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

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Red = Noise Level Exceedance (Project Related)

Blue = Noise Level Exceedance (Not Project Related)

~ = No Data Available

SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024

to

Sunday, June 23, 2024

10 pm to 7 am (weekdays)/ 9am (weekends)

The table below includes data gathered from noise monitoring equipment in the Project area

Thursday, June 20, 2024												
Site	Site limit (dBA)	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
M1 - 624 Yale Ave N	1 Hr Leq	72	69.5	69.0	67.6	65.3	64.2	62.9	65.6	68.7	70.3	N/A
	1 Hr L1	82	72.0	71.9	71.3	68.9	67.8	65.5	68.9	72.4	73.4	N/A
M2 - 1547 Boylston Ave E	1 Hr Leq	74	75.9	75.2	63.8	68.4	71.7	71.5	74.4	77.3	78.3	N/A
	1 Hr L1	84	77.3	77.0	65.8	72.3	74.8	74.7	77.4	79.6	79.9	N/A
M4 - 3625 Federal Ave E	1 Hr Leq	70	61.4	59.4	55.9	54.6	54.2	54.0	57.5	61.4	63.0	N/A
	1 Hr L1	80	63.1	61.7	58.2	57.0	57.0	56.8	60.2	63.3	64.3	N/A
M5 - E Roanoke St & 10th Ave E	1 Hr Leq	71	63.2	61.4	58.7	55.4	55.3	55.5	58.2	62.3	64.9	N/A
	1 Hr L1	81	65.5	63.7	61.2	58.1	58.0	58.2	61.1	64.6	66.9	N/A
M6 - 3125 Eastlake Ave E	1 Hr Leq	66	76.5	70.3	61.8	60.0	59.8	60.7	63.6	78.4	79.9	N/A
	1 Hr L1	76	79.7	74.3	63.8	63.0	63.2	64.1	66.2	81.7	82.3	N/A
Mobile - 2411 Boylston Ave E	1 Hr Leq	71	72.2	71.4	69.3	67.1	66.2	67.3	70.0	72.7	74.1	N/A
	1 Hr L1	81	74.1	73.6	72.0	69.4	68.2	69.4	72.2	74.7	75.9	N/A
Notes recorded by the on-site Independent Noise Monitor Work: Walsh / Transcon was working at Wall 21 Conduit box Walsh was painting at Wall 2 Walsh was in the Express Lanes pulling wood from the bridge Walsh was doing clean up work near Wall 24 Public Comments: None Exceedances: Site(s) M1, M2, M6 & Mobile exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors. Non-Compliance Events: None.												

Legend

N/A = Time Period not applicable to MPPCNV

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

L1 = L1 means the Sound level exceeded for 1 percent of the measurement duration (i.e., 36 seconds per hour)

Red = Noise Level Exceedance (Project Related)

Blue = Noise Level Exceedance (Not Project Related)

~ = No Data Available

SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024

to

Sunday, June 23, 2024

10 pm to 7 am (weekdays)/ 9am (weekends)

The table below includes data gathered from noise monitoring equipment in the Project area

Friday, June 21, 2024												
Site	Site limit (dBA)	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
M1 - 624 Yale Ave N	1 Hr Leq	72	70.2	68.9	68.9	67.0	65.7	64.3	63.8	66.5	68.5	69.7
	1 Hr L1	82	72.8	72.2	72.0	71.0	69.4	67.9	67.6	69.9	72.6	72.9
M2 - 1547 Boylston Ave E	1 Hr Leq	74	75.7	75.8	75.1	74.2	73.0	71.7	72.0	73.9	75.7	77.1
	1 Hr L1	84	77.2	77.5	77.2	76.6	75.7	74.9	75.3	76.7	78.1	78.7
M4 - 3625 Federal Ave E	1 Hr Leq	70	60.9	59.1	57.3	55.9	54.0	50.5	50.9	55.7	58.1	61.7
	1 Hr L1	80	62.7	61.3	59.9	59.0	57.4	54.2	54.2	58.9	61.0	64.1
M5 - E Roanoke St & 10th Ave E	1 Hr Leq	71	65.4	63.8	61.4	60.1	57.9	56.5	56.0	60.5	64.9	66.3
	1 Hr L1	81	68.7	67.0	64.5	63.2	60.8	58.3	57.5	64.3	67.2	69.7
M6 - 3125 Eastlake Ave E	1 Hr Leq	66	77.0	69.9	62.6	63.0	60.1	59.8	60.5	62.9	64.9	77.2
	1 Hr L1	76	80.0	74.1	64.7	64.0	62.9	62.7	63.8	65.3	66.6	80.3
Mobile - 2411 Boylston Ave E	1 Hr Leq	71	73.2	72.2	70.1	69.1	67.2	66.7	67.7	70.3	71.9	73.7
	1 Hr L1	81	75.2	74.2	72.6	71.2	69.4	68.5	70.0	72.4	74.1	75.8
Notes recorded by the on-site Independent Noise Monitor <u>Work:</u> Northwest Asphalt was at Wall 1 / Wall 2 paving <u>Public Comments:</u> None. <u>Exceedances:</u> Site(s) M1, M2, M6 & Mobile exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors. <u>Non-Compliance Events:</u> None.												

Legend

N/A = Time Period not applicable to MPPCNV

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

L1 = L1 means the Sound level exceeded for 1 percent of the measurement duration (i.e., 36 seconds per hour)

Red = Noise Level Exceedance (Project Related)

Blue = Noise Level Exceedance (Not Project Related)

~ = No Data Available

SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024

to

Sunday, June 23, 2024

10 pm to 7 am (weekdays)/ 9am (weekends)

The table below includes data gathered from noise monitoring equipment in the Project area

Saturday, June 22, 2024													
Site	Site limit (dBA)	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am	
M1 - 624 Yale Ave N	1 Hr Leq	72	69.6	69.2	68.8	65.9	66.1	63.4	64.0	65.6	66.8	67.9	69.3
	1 Hr L1	82	72.4	72.4	72.2	70.4	70.5	67.1	67.1	68.5	70.8	71.5	72.5
M2 - 1547 Boylston Ave E	1 Hr Leq	74	73.5	74.5	75.1	73.8	73.2	71.5	71.1	72.2	73.4	75.5	76.3
	1 Hr L1	84	76.2	76.6	77.0	76.2	75.9	74.4	74.4	75.1	76.1	77.9	78.1
M4 - 3625 Federal Ave E	1 Hr Leq	70	61.6	59.6	58.2	56.4	54.7	52.6	56.4	54.5	57.2	59.1	61.2
	1 Hr L1	80	63.9	62.2	60.1	59.1	58.0	55.9	56.8	57.9	60.3	62.0	63.8
M5 - E Roanoke St & 10th Ave E	1 Hr Leq	71	64.8	64.0	64.0	60.2	59.0	56.4	57.6	58.8	62.1	63.3	65.0
	1 Hr L1	81	68.2	66.7	64.9	63.4	62.0	59.0	60.5	62.0	65.5	67.1	68.4
M6 - 3125 Eastlake Ave E	1 Hr Leq	66	78.2	70.6	62.8	61.8	60.8	59.6	60.2	61.6	63.1	64.6	75.3
	1 Hr L1	76	80.6	75.1	64.5	63.8	63.2	62.1	62.9	63.9	65.2	66.5	79.0
Mobile - 2411 Boylston Ave E	1 Hr Leq	71	73.2	71.6	70.6	69.0	68.0	67.0	68.1	69.2	71.1	72.5	72.8
	1 Hr L1	81	75.0	73.7	72.7	71.6	70.3	68.9	70.2	71.4	73.1	74.7	74.8
Notes recorded by the on-site Independent Noise Monitor													
Work: No work during MPPCNV hours Public Comments: None. Exceedances: Site(s) M1, M2, M6 & Mobile exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors. Non-Compliance Events: None.													

Legend

N/A = Time Period not applicable to MPPCNV

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

L1 = L1 means the Sound level exceeded for 1 percent of the measurement duration (i.e., 36 seconds per hour)

Red = Noise Level Exceedance (Project Related)

Blue = Noise Level Exceedance (Not Project Related)

~ = No Data Available

SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024

to

Sunday, June 23, 2024

10 pm to 7 am (weekdays)/ 9am (weekends)

The table below includes data gathered from noise monitoring equipment in the Project area

Sunday, June 23, 2024												
Site	Site limit (dBA)	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
M1 - 624 Yale Ave N	1 Hr Leq	72	68.6	68.6	66.0	63.0	62.8	62.5	65.4	69.0	70.3	N/A
	1 Hr L1	82	72.4	~	70.2	66.6	65.0	63.9	68.3	72.2	73.7	N/A
M2 - 1547 Boylston Ave E	1 Hr Leq	74	75.5	75.1	73.8	72.2	71.1	71.8	74.2	77.3	78.3	N/A
	1 Hr L1	84	77.1	77.1	76.3	75.2	74.6	75.2	77.2	79.4	79.9	N/A
M4 - 3625 Federal Ave E	1 Hr Leq	70	60.7	58.9	56.1	52.5	50.2	49.4	54.8	60.2	62.2	N/A
	1 Hr L1	80	63.6	61.4	59.1	55.6	53.5	52.6	58.3	63.1	64.2	N/A
M5 - E Roanoke St & 10th Ave E	1 Hr Leq	71	63.4	61.3	58.9	55.9	53.0	53.6	58.4	62.6	64.8	N/A
	1 Hr L1	81	67.1	64.8	61.9	57.7	55.2	55.8	61.4	65.1	67.3	N/A
M6 - 3125 Eastlake Ave E	1 Hr Leq	66	75.1	68.5	62.6	59.4	59.2	60.6	63.4	79.0	80.1	N/A
	1 Hr L1	76	78.7	72.4	63.7	62.3	62.7	64.0	66.0	82.1	82.4	N/A
Mobile - 2411 Boylston Ave E	1 Hr Leq	71	71.7	70.2	68.0	66.2	65.8	67.5	71.1	73.9	74.6	N/A
	1 Hr L1	81	74.1	72.4	71.7	68.6	68.2	69.6	73.2	75.8	76.3	N/A
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: No work during MPPCNV hours</p> <p>Public Comments: None.</p> <p>Exceedances: Site(s) M1, M2, M5, M6 & Mobile exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.</p> <p>Non-Compliance Events: None.</p>												

Legend

N/A = Time Period not applicable to MPPCNV

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

L1 = L1 means the Sound level exceeded for 1 percent of the measurement duration (i.e., 36 seconds per hour)

Red = Noise Level Exceedance (Project Related)

Blue = Noise Level Exceedance (Not Project Related)

~ = No Data Available

SR520 I5 Mercer Street to SR520 Portage Bay - I5 Interchange Improvements

Major Public Project Construction Noise Variance - #6733975-NV

NOISE MONITORING - WEEKLY REPORT

Monday, June 17, 2024 to Sunday, June 23, 2024

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution