



SR 520 Bridge Replacement and HOV Program

SR 520 Portage Bay Bridge and Roanoke Lid Project



SR 520 Portage Bay Bridge and Roanoke Lid Project

Noise Monitoring Weekly Report Summary for **Monday, March 31, 2025** to **Sunday, April 6, 2025**

PUBLISHED April 9, 2025

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 Portage Bay Bridge 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 eleven 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 #6903010).

MPPCNV start date: **February 5, 2025**

MPPCNV days to date: **61**

Impact work days to date: **0**

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	63

PROJECT TOTALS TO DATE

Total Nights Worked (under the MPPCNV)	44
Total Project related non-compliance	1
Total noise issue comments to the project	1
Total non-project related exceedances	515
Total TNV permits to date	5

EXHIBIT 5. CONSTRUCTION AREA AND NOISE MEASUREMENT LOCATIONS

Noise Monitoring Locations: the map below shows the locations of the eleven stationary noise monitoring sites



SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
 Monday, March 31, 2025 to Sunday, April 6, 2025 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at eleven locations throughout the PBB Project area

Monday, March 31, 2025												
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
M1-1004 E Roanoke St	71	61.5	58.4	56.6	52.9	51.6	53	55.3	60.3	62.5	N/A	N/A
M2 2619 11th Ave E	57	55	52.8	51.4	47.3	44.5	47.8	50.1	52.7	59.2	N/A	N/A
M3 2613 Boyer Ave E	62	60.1	57.6	55	51.8	50.5	51.8	54.1	59.6	62.1	N/A	N/A
M4-Portage Bay Condos 2524 Boyer Ave	66	65.9	61.8	58.3	56	55.6	56.8	60.6	66.4	65.8	N/A	N/A
M5 2411 Federal Ave E	70	59.4	57.6	55.6	53.1	50.8	51.5	54.5	59.4	59.5	N/A	N/A
M6 3113 Eastlake Ave E	66	72	64.4	59.3	60.5	56	57.9	60.7	74.5	75.4	N/A	N/A
M7-ROW near 2552 20th Ave E	72	58.3	56.8	54.7	51.9	50.5	51.7	53.6	64.5	60.7	N/A	N/A
M8-1601 E Calhoun St	60	56	54.6	53.4	50.2	48.6	50.3	51.5	54.1	54.7	N/A	N/A
M9-ROW near 1910 E Louisa St	60	61.6	59.6	57.5	55.7	55.4	55.2	57.8	60.1	60.5	N/A	N/A
M10 2510 E Lake Washington Blvd	67	53.3	52.5	51.9	49.6	47.5	48.9	49.8	53.3	54.5	N/A	N/A
M11-NOAA 2725 Montlake Blvd	67	64	61.1	58.7	55.8	55.6	55.7	57.7	62.5	64.7	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: Skanska- on site Orion- on site building trestle near 2250</p> <p>Public Comments: No public comments at this time.</p> <p>Exceedances: Site(s): All exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors</p> <p>Non-Compliance: None.</p>												

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

Yellow = Noise Level Exceedance, covered by TNV

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 31, 2025 to Sunday, April 6, 2025 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at eleven locations throughout the PBB Project area

Tuesday, April 1, 2025												
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
M1-1004 E Roanoke St	71	60.5	58.7	55.7	53.2	53.2	53.2	55	60.4	62.8	N/A	N/A
M2 2619 11th Ave E	57	53.8	52.3	51.3	47.2	51	49.9	50.4	55.8	57.6	N/A	N/A
M3 2613 Boyer Ave E	62	59.4	57.9	55.8	52.4	53.5	53.4	54.8	60	62.1	N/A	N/A
M4-Portage Bay Condos 2524 Boyer Ave	66	63.7	63.4	60.5	57.3	58	58.8	60.7	65.2	65.5	N/A	N/A
M5 2411 Federal Ave E	70	58.4	55.4	54	49.7	52.1	52.6	53.2	57.8	59.2	N/A	N/A
M6 3113 Eastlake Ave E	66	71.6	64.2	59.2	57.5	57.7	58.5	60.9	73.8	75.4	N/A	N/A
M7-ROW near 2552 20th Ave E	72	56.9	53.9	53.7	49.2	49.3	51.1	52.1	59.4	62	N/A	N/A
M8-1601 E Calhoun St	60	55.5	52.6	52.4	47.7	51.2	53.1	53.6	54.4	56.1	N/A	N/A
M9-ROW near 1910 E Louisa St	60	58.8	58.2	57.3	54.1	54	54.9	55.8	58.4	60.9	N/A	N/A
M10 2510 E Lake Washington Blvd	67	56.1	50.6	52.2	49.5	54.4	55.4	56.5	55.6	56.5	N/A	N/A
M11-NOAA 2725 Montlake Blvd	67	60.3	59.5	56.8	54.5	53.8	53.5	55.2	59.9	63.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Skanska- on site
Orion – on site building trestle near 2250

Public Comments:

From: Christie (2507 West Montlake Place East)
To: 520 Construction Hotline
The neighbor called the hotline claiming that subcontractor was intermittently driving pile in the middle of the night. According to the complainant, the loud sounds occurred at 1:00am, 1:30am and 3:00am.
INM Investigation: None. The comment was not recieved until the next day. WSDOT investigated, no pile driving occurred. The banging sounds occurred during welding activity
Resolution: Banging sounds were not restricted by MPPCNV, however the subcontractor stated, will discontinue the pounding of piles during nighttime hours, to show good faith.

Exceedances:

Site(s): All 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
- Yellow = Noise Level Exceedance, covered by TNV
- ~ = No Data Available
- # = No contract work . Portable monitors are not being used (not needed).

SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 31, 2025 to Sunday, April 6, 2025 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at eleven locations throughout the PBB Project area

Wednesday, April 2, 2025												
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
M1-1004 E Roanoke St	71	60.4	57.5	53.8	52.3	52.2	52.5	55.4	60.3	66.1	N/A	N/A
M2 2619 11th Ave E	57	54.9	51.9	48.4	47.6	45.8	47.3	49.5	57	58.1	N/A	N/A
M3 2613 Boyer Ave E	62	60.6	58.2	54.7	53.1	51.7	52	54.4	59.3	62.3	N/A	N/A
M4-Portage Bay Condos 2524 Boyer Ave	66	65	62.9	59.8	57.8	56.1	57.7	60.8	66	66.9	N/A	N/A
M5 2411 Federal Ave E	70	58	55.8	52.9	50	49.7	51	54.7	59.7	60.9	N/A	N/A
M6 3113 Eastlake Ave E	66	71.6	64.2	58.4	57.1	57	58.2	60.6	74	75.6	N/A	N/A
M7-ROW near 2552 20th Ave E	72	56.8	53.8	51.6	49.8	50.8	49.7	52.8	58.9	59.9	N/A	N/A
M8-1601 E Calhoun St	60	55.3	52.3	50.2	49.1	48.5	51.2	51.7	56.1	56.2	N/A	N/A
M9-ROW near 1910 E Louisa St	60	60.1	58.2	56.2	54.6	54.5	54.6	57.2	61.1	61.3	N/A	N/A
M10 2510 E Lake Washington Blvd	67	52.7	50	48.7	47.9	47.8	52.7	49	53.8	56	N/A	N/A
M11-NOAA 2725 Montlake Blvd	67	62.8	60.4	56.9	54.6	53.6	53.3	56.4	62.1	64.9	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: Skanska- on site Orion – on site building trestle near 2250</p> <p>Public Comments: No public comments at this time.</p> <p>Exceedances: Site(s): All exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.</p> <p>Non-Compliance: None.</p>												

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

Yellow = Noise Level Exceedance, covered by TNV

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 31, 2025 to Sunday, April 6, 2025 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at eleven locations throughout the PBB Project area

Thursday, April 3, 2025												
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
M1-1004 E Roanoke St	71	61.1	58.2	55.2	53.6	53.2	53.7	55.5	60.3	62.9	N/A	N/A
M2 2619 11th Ave E	57	54.4	51.5	51.1	50.3	51.1	49.6	50	55	60	N/A	N/A
M3 2613 Boyer Ave E	62	60.4	57.2	56.2	55.4	54.5	54.4	55.3	59.2	62.9	N/A	N/A
M4-Portage Bay Condos 2524 Boyer Ave	66	66.3	63.4	60.6	59.2	58.4	59.2	61.5	65.8	67.3	N/A	N/A
M5 2411 Federal Ave E	70	61.2	58.9	54.3	52.1	51.2	52.1	56.4	61	61.9	N/A	N/A
M6 3113 Eastlake Ave E	66	71.4	65.4	59	58.2	57.7	58.1	60.9	73.3	75.3	N/A	N/A
M7-ROW near 2552 20th Ave E	72	62.4	60	54.1	51.9	50.4	51.4	55.6	60.5	61.1	N/A	N/A
M8-1601 E Calhoun St	60	60	57.4	52.8	51	51	52.1	53.2	58.1	58.9	N/A	N/A
M9-ROW near 1910 E Louisa St	60	64.8	63.1	58.3	56.8	55.8	56.7	58.8	62.7	62.5	N/A	N/A
M10 2510 E Lake Washington Blvd	67	55.7	52.7	49.8	48.3	48.6	48.9	49.8	54.6	57.3	N/A	N/A
M11-NOAA 2725 Montlake Blvd	67	66.2	63.1	58.4	56.3	55.1	55	58.5	62.8	65.1	N/A	N/A
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: Skanska- on site Orion- on site building trestle near 2250</p> <p>Public Comments: No public comments at this time.</p> <p>Exceedances: Site(s) : All exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors</p> <p>Non-Compliance: None.</p>												

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

Yellow = Noise Level Exceedance, covered by TNV

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 31, 2025 to Sunday, April 6, 2025 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at eleven locations throughout the PBB Project area

Friday, April 4, 2025												
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
M1-1004 E Roanoke St	71	60.6	59.6	57.9	56.7	56	53.2	52.9	55.9	61.3	61.5	62.9
M2 2619 11th Ave E	57	53.8	53.1	52.2	51.5	49.7	47.8	48.6	53.9	58.5	56.6	56.5
M3 2613 Boyer Ave E	62	60.2	59.1	56.9	55.4	55.2	53.5	52.4	56	60.8	61.8	62.4
M4-Portage Bay Condos 2524 Boyer Ave	66	66.1	64.7	63	62	60.4	58.1	58.2	61.6	65.4	69.6	69.3
M5 2411 Federal Ave E	70	60.7	60	58.6	57.7	55.2	54.5	54.6	57.2	59.6	59.8	59.9
M6 3113 Eastlake Ave E	66	72.1	65.8	60.3	59	58.5	56.6	57.5	59.8	61.8	63	72.8
M7-ROW near 2552 20th Ave E	72	61.8	60.1	58.8	57.2	55.1	52.6	53.5	57.4	59.5	60.8	60.5
M8-1601 E Calhoun St	60	58.7	57.3	56.1	54.5	53.3	52.1	52.9	54.2	57.3	58.5	57.8
M9-ROW near 1910 E Louisa St	60	64.3	63	62.1	60.4	59	57.4	58.2	59.6	61.6	62.9	62.8
M10 2510 E Lake Washington Blvd	67	54.7	53.8	52.6	51	49.3	48.1	48.5	54	55.7	55.2	55.2
M11-NOAA 2725 Montlake Blvd	67	66.4	64.5	62.5	60.6	57.6	56	56.3	59.3	61.7	63.9	65.3
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: Skanska- on site Orion- on site building trestle near 2250</p> <p>Public Comments: No public comments at this time.</p> <p>Exceedances: Site(s): All exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors</p> <p>Non-Compliance: None.</p>												

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

Yellow = Noise Level Exceedance, covered by TNV

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 31, 2025 to Sunday, April 6, 2025 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at eleven locations throughout the PBB Project area

Saturday, April 5, 2025												
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
M1-1004 E Roanoke St	71	61.3	59.1	59.9	57.2	53.9	52	50.6	55.1	58.5	60.4	62.3
M2 2619 11th Ave E	57	52.1	51.1	51.8	46.6	43.6	40.1	46	51.8	56.9	55.9	56.5
M3 2613 Boyer Ave E	62	61.1	59.2	58.6	55	50.5	47.7	48.3	53.5	57.8	59.4	61.1
M4-Portage Bay Condos 2524 Boyer Ave	66	65.8	64	62.8	52.5	49	47.5	47.9	53.1	61.7	64.7	66.1
M5 2411 Federal Ave E	70	59.2	57	54.6	52.8	51.2	50.8	50.8	54.3	57.8	58.5	60
M6 3113 Eastlake Ave E	66	72	65.3	59.9	59.5	57.8	56	56.1	57.4	60.1	61.6	71
M7-ROW near 2552 20th Ave E	72	60.2	57.8	54.9	49.7	50.4	49.4	51.8	53.6	58.5	59.2	59.9
M8-1601 E Calhoun St	60	55.1	52.4	49.4	45.8	47.5	46	47.1	51.4	54.5	56.2	57.6
M9-ROW near 1910 E Louisa St	60	62.6	60.7	57.2	52.6	55.8	54.4	53.7	53.2	59.3	61.3	61.5
M10 2510 E Lake Washington Blvd	67	54	51.5	48.3	47	46.1	45.2	45.9	52.6	53	53.8	55.5
M11-NOAA 2725 Montlake Blvd	67	66.2	64	60.7	55.4	55.5	52.9	51.3	53.4	60.1	62.4	63.2
*Hourly-Average Leq (dBA)												
Notes recorded by the on-site Independent Noise Monitor												
<p>Work: Skanska- on site Orion – on site building trestle near 2250</p> <p>Public Comments: No public comments at this time.</p> <p>Exceedances: Site(s): All exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors</p> <p>Non-Compliance: None.</p>												

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

Yellow = Noise Level Exceedance, covered by TNV

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, March 31, 2025 to Sunday, April 6, 2025 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at eleven locations throughout the PBB Project area

Sunday, April 6, 2025												
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
M1-1004 E Roanoke St	71	60.8	57.8	55.9	52.2	52.5	51.4	54.7	60.2	63.6	N/A	N/A
M2 2619 11th Ave E	57	54.9	52	51.2	47	48.6	46.9	50.2	55	59.5	N/A	N/A
M3 2613 Boyer Ave E	62	59.9	56.8	55.1	52.4	52.1	51.8	54	59	62.9	N/A	N/A
M4-Portage Bay Condos 2524 Boyer Ave	66	63.5	60.8	58.4	54.9	54.8	54.6	59.2	64.4	66.2	N/A	N/A
M5 2411 Federal Ave E	70	59.3	56.7	54.7	50.8	51.3	49.8	53.3	58.5	60	N/A	N/A
M6 3113 Eastlake Ave E	66	71.1	64.2	59.2	57.2	56.4	57	59.7	73.6	75.2	N/A	N/A
M7-ROW near 2552 20th Ave E	72	57.7	56.4	52.9	48.4	49.8	49.9	55.5	57.9	60.4	N/A	N/A
M8-1601 E Calhoun St	60	56.3	53.6	52.1	47.4	50.3	48.7	50.9	54.3	56.5	N/A	N/A
M9-ROW near 1910 E Louisa St	60	60.4	59.2	58	55.3	55.2	55.4	57	57.7	59	N/A	N/A
M10 2510 E Lake Washington Blvd	67	54.6	52.5	50.9	48.4	47.9	48.3	50.2	55.3	56.9	N/A	N/A
M11-NOAA 2725 Montlake Blvd	67	62.2	60.7	57.6	53.5	53	51.9	55.7	60.4	63.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Orion – on site building trestle near 2250

Public Comments:

No public comments at this time.

Exceedances:

Site(s): All exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors

Non-Compliance:

None.

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

Yellow = Noise Level Exceedance, covered by TNV

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

**SR 520 Portage Bay Bridge and Roanoke Lid Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, March 31, 2025 to Sunday, April 6, 2025

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

Public Comment Log			
Date / Time	To/From	Issue	Resolution
4/1/2025	520 hotline /Christie (2507 West Montlake Place East)	The neighbor called the hotline claiming that subcontractor was intermittingly driving pile in the middle of the night. According to the complainant, the loud sounds occurred at 1:00am, 1:30am and 3:00am	WSDOT investigated, no pile driving occurred. The banging sounds occurred during welding activity Resolution: Banging sounds were not restricted by MPPCNV, however the subcontractor stated, will discontinue the pounding of piles during nighttime hours, to show good faith.