SR 520 Montlake Project  
Noise Monitoring Weekly Report Summary for Monday, November 18, 2019 to Sunday, November 24, 2019  
PUBLISHED NOVEMBER 26, 2019  
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, 2019  
**MPPCNV days to date:** 101

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<th>WEEKLY TOTALS</th>
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<tr>
<td>Project related non-compliance this week</td>
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<td>Nighttime noise issue comments to the project</td>
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<td>Non-project-related noise exceedances this week</td>
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<th>PROJECT TOTALS TO DATE</th>
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<tr>
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<td>Total non-project related exceedances</td>
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EXHIBIT 5. CONSTRUCTION AREA AND NOISE MEASUREMENT LOCATIONS

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.

Legend
- Monitoring Locations
- Limits of Nighttime Construction and Staging Activity

Note: Portable Monitoring Site 8 is located between Sites 4 and 6, Portable Monitoring Sites 9 and 10 are located between Sites 7 and 1.
The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area.

<table>
<thead>
<tr>
<th>Site Description</th>
<th>Site Limit</th>
<th>10pm - 11pm</th>
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<tr>
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<td>58.8</td>
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*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**
Span wire for 24th Ave signal.
Contractor worked between 10 p.m. and 2:20 a.m.

**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:**
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
#= No contract work. Portable monitors are not being used (not needed).
### SR 520 Montlake Project
#### Major Public Project Construction Noise Variance

**NOISE MONITORING - WEEKLY REPORT**

Monday, November 18, 2019 to Sunday, November 24, 2019  
10 pm to 7 am (weekdays) / 9am (weekends)

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</tr>
</tbody>
</table>

*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**
Span wire for 24th Ave signal.
Contractor worked between 10 p.m. and 3:10 a.m.

**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:**
None.

**Legend**
Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.
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### SR 520 Montlake Project

**Major Public Project Construction Noise Variance**

**NOISE MONITORING - WEEKLY REPORT**

Monday, November 18, 2019 to Sunday, November 24, 2019

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

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#### Notes recorded by the on-site Independent Noise Monitor

**Work:**

24th Ave signal work.
Contractor worked between 10 p.m. and 3:40 a.m.

**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:**

None.

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<td>N/A</td>
</tr>
<tr>
<td>Site 7 - 2209 E. Lake Wa Blvd</td>
<td>66</td>
<td>58.8</td>
<td>55.2</td>
<td>53.0</td>
<td>49.1</td>
<td>47.5</td>
<td>48.7</td>
<td>50.5</td>
<td>53.6</td>
<td>56.2</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Site 8 - Portable Between Sites 4 and 6</td>
<td>63</td>
<td>58.8</td>
<td>56.2</td>
<td>53.0</td>
<td>49.1</td>
<td>47.5</td>
<td>48.7</td>
<td>50.5</td>
<td>53.6</td>
<td>56.2</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Site 9 - Portable Between Sites 1 and 7</td>
<td>66</td>
<td>62.6</td>
<td>59.8</td>
<td>56.6</td>
<td>53.2</td>
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<td>55.3</td>
<td>60.3</td>
<td>64.6</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Site 10 - Portable Between Sites 1 and 7</td>
<td>66</td>
<td>64.1</td>
<td>60.7</td>
<td>57.0</td>
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<td>55.3</td>
<td>62.0</td>
<td>66.2</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Hourly-Average Leq (dBA)

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**
Pedestrian crossing pavement markings at SR 520 on-ramps from Montlake Boulevard and SR 520 Trail crosswalk striping.
Contractor worked between 10 p.m. and 1:52 a.m.

**Public Comments:**
2:02 a.m. on Friday 11/22 an email complaint was received from a resident on East Hamlin Street about loud machine noise, crew talking, and back up beeping in the middle of the night/early morning. See public comment log for more details.

**Exceedances:**
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
~ = No Data Available
## SR 520 Montlake Project

**Major Public Project Construction Noise Variance**

**NOISE MONITORING - WEEKLY REPORT**

Friday, November 22, 2019

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

<table>
<thead>
<tr>
<th>Site</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>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1 - 2449 E. Lk WA Blvd</td>
<td>67</td>
<td>57.4</td>
<td>56.0</td>
<td>53.9</td>
<td>52.2</td>
<td>50.7</td>
<td>48.9</td>
<td>50.4</td>
<td>53.2</td>
<td>55.5</td>
<td>58.9</td>
<td>62.6</td>
</tr>
<tr>
<td>Site 2 - 2015 E. Roanoke St</td>
<td>78</td>
<td>62.7</td>
<td>61.3</td>
<td>60.1</td>
<td>57.7</td>
<td>56.1</td>
<td>55.5</td>
<td>57.5</td>
<td>58.9</td>
<td>59.6</td>
<td>61.6</td>
<td>63.5</td>
</tr>
<tr>
<td>Site 3 - 3810 E. McIhara St</td>
<td>62</td>
<td>49.6</td>
<td>48.4</td>
<td>47.2</td>
<td>47.2</td>
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<td>46.3</td>
<td>47.5</td>
<td>48.0</td>
<td>48.9</td>
<td>51.6</td>
</tr>
<tr>
<td>Site 4 - 2800 Montlake Blvd E</td>
<td>66</td>
<td>67.3</td>
<td>66.5</td>
<td>64.5</td>
<td>66.0</td>
<td>61.9</td>
<td>64.5</td>
<td>67.4</td>
<td>63.5</td>
<td>66.4</td>
<td>67.0</td>
<td>68.6</td>
</tr>
<tr>
<td>Site 5 - 2565 22nd Av E.</td>
<td>65</td>
<td>60.3</td>
<td>58.9</td>
<td>57.8</td>
<td>55.2</td>
<td>53.3</td>
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<td>56.7</td>
<td>57.3</td>
<td>58.9</td>
<td>61.5</td>
</tr>
<tr>
<td>Site 6 - 2160 E. Hamlin St</td>
<td>63</td>
<td>55.9</td>
<td>54.9</td>
<td>52.0</td>
<td>54.5</td>
<td>51.1</td>
<td>48.4</td>
<td>50.2</td>
<td>53.5</td>
<td>56.8</td>
<td>55.9</td>
<td>66.0</td>
</tr>
<tr>
<td>Site 7 - 2209 E. Lake WA Blvd</td>
<td>66</td>
<td>56.7</td>
<td>55.1</td>
<td>53.3</td>
<td>51.9</td>
<td>49.9</td>
<td>47.7</td>
<td>50.8</td>
<td>53.1</td>
<td>54.8</td>
<td>56.9</td>
<td>60.3</td>
</tr>
<tr>
<td>Site 8 - Portable Between Sites 4 and 6</td>
<td>63</td>
<td>58.7</td>
<td>62.2</td>
<td>54.4</td>
<td>54.2</td>
<td>51.6</td>
<td>49.1</td>
<td>53.0</td>
<td>54.2</td>
<td>56.9</td>
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<tr>
<td>Site 9 - Portable Between Sites 1 and 7</td>
<td>66</td>
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<td>56.7</td>
<td>55.0</td>
<td>52.3</td>
<td>57.5</td>
<td>57.9</td>
<td>59.7</td>
<td>63.4</td>
<td>66.1</td>
</tr>
<tr>
<td>Site 10 - Portable Between Sites 1 and 7</td>
<td>66</td>
<td>63.8</td>
<td>62.5</td>
<td>59.5</td>
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<td>58.3</td>
<td>60.8</td>
<td>65.8</td>
<td>69.1</td>
</tr>
</tbody>
</table>

### Notes recorded by the on-site Independent Noise Monitor

**Work:**

Nighttime construction work performed after 7 a.m.: North trestle pile installation and superstructure install on the West Approach Bridge South. Hauling material to and from the jobsite.

**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:**

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 18, 2019** **to** **Sunday, November 24, 2019** **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.

<table>
<thead>
<tr>
<th>Site 1 - 2449 E. Lk WA Blvd</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>
<th>9am - 10am</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 2 - 2015 E. Roanoke St</td>
<td>78</td>
<td>62.0</td>
<td>60.6</td>
<td>59.3</td>
<td>58.6</td>
<td>58.5</td>
<td>56.6</td>
<td>55.6</td>
<td>58.8</td>
<td>59.8</td>
<td>61.5</td>
<td>64.0</td>
<td></td>
</tr>
<tr>
<td>Site 3 - 3810 E. McGilva St</td>
<td>62</td>
<td>62.9</td>
<td>59.0</td>
<td>57.3</td>
<td>56.8</td>
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<td>53.9</td>
<td>53.1</td>
<td>54.5</td>
<td>57.3</td>
<td>58.9</td>
<td>61.6</td>
<td></td>
</tr>
<tr>
<td>Site 4 - 2800 Montlake Blvd E</td>
<td>66</td>
<td>67.7</td>
<td>66.2</td>
<td>65.7</td>
<td>64.3</td>
<td>62.6</td>
<td>61.0</td>
<td>61.0</td>
<td>63.1</td>
<td>66.7</td>
<td>66.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site 5 - 2565 22nd Av E.</td>
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<td>56.6</td>
<td>59.3</td>
<td>59.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site 6 - 2160 E. Hamlin St</td>
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<td>60.9</td>
<td>58.4</td>
<td>56.1</td>
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<td>49.9</td>
<td>53.5</td>
<td>56.1</td>
<td>58.9</td>
<td>58.7</td>
<td></td>
</tr>
<tr>
<td>Site 7 - 2209 E. Lake Wa Blvd</td>
<td>66</td>
<td>57.4</td>
<td>55.2</td>
<td>54.2</td>
<td>52.1</td>
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<td>50.7</td>
<td>50.2</td>
<td>52.5</td>
<td>54.5</td>
<td>56.0</td>
<td>58.9</td>
<td></td>
</tr>
<tr>
<td>Site 8 - Portable Between Sites 4 and 6</td>
<td>63</td>
<td>60.6</td>
<td>57.4</td>
<td>55.6</td>
<td>52.9</td>
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<td>52.5</td>
<td>50.0</td>
<td>54.2</td>
<td>56.7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site 9 - Portable Between Sites 1 and 7</td>
<td>66</td>
<td>62.7</td>
<td>60.5</td>
<td>60.7</td>
<td>58.8</td>
<td>59.8</td>
<td>55.9</td>
<td>55.0</td>
<td>59.8</td>
<td>60.0</td>
<td>62.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site 10 - Portable Between Sites 1 and 7</td>
<td>66</td>
<td>63.8</td>
<td>61.9</td>
<td>60.0</td>
<td>57.4</td>
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<td>55.8</td>
<td>60.0</td>
<td>63.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Hourly-Average Leq (dBA)*

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**
No nighttime construction work performed.

**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:**
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.

### Site 1 - 2449 E. Lk WA Blvd
- 10pm - 11pm: 55.1
- 11pm - 12am: 52.4
- 12am - 1am: 50.6
- 1am - 2am: 47.2
- 2am - 3am: 48.2
- 3am - 4am: 49.3
- 4am - 5am: 52.4
- 5am - 6am: 57.0
- 6am - 7am: 61.2
- N/A
- N/A

### Site 2 - 2015 E. Roanoke St
- 10pm - 11pm: 60.7
- 11pm - 12am: 58.1
- 12am - 1am: 56.5
- 1am - 2am: 54.1
- 2am - 3am: 54.4
- 3am - 4am: 56.9
- 4am - 5am: 61.1
- 5am - 6am: 62.5
- 6am - 7am: 70.9
- N/A
- N/A

### Site 3 - 3810 E. McGilvra St
- 10pm - 11pm: 48.9
- 11pm - 12am: 46.5
- 12am - 1am: 45.9
- 1am - 2am: 45.3
- 2am - 3am: 46.3
- 3am - 4am: 46.3
- 4am - 5am: 47.9
- 5am - 6am: 49.7
- 6am - 7am: 51.7
- N/A
- N/A

### Site 4 - 2800 Montlake Blvd E
- 10pm - 11pm: 66.0
- 11pm - 12am: 64.0
- 12am - 1am: 60.8
- 1am - 2am: 59.5
- 2am - 3am: 58.7
- 3am - 4am: 59.9
- 4am - 5am: 64.8
- 5am - 6am: 67.6
- 6am - 7am: 71.9
- N/A
- N/A

### Site 5 - 2565 22nd Av E
- 10pm - 11pm: 58.7
- 11pm - 12am: 55.6
- 12am - 1am: 53.6
- 1am - 2am: 51.5
- 2am - 3am: 51.8
- 3am - 4am: 53.8
- 4am - 5am: 59.0
- 5am - 6am: 59.8
- 6am - 7am: 70.6
- N/A
- N/A

### Site 6 - 2160 E. Hamlin St
- 10pm - 11pm: 55.3
- 11pm - 12am: 52.4
- 12am - 1am: 50.1
- 1am - 2am: 46.7
- 2am - 3am: 47.2
- 3am - 4am: 49.6
- 4am - 5am: 52.1
- 5am - 6am: 55.9
- 6am - 7am: 60.4
- N/A
- N/A

### Site 7 - 2209 E. Lake Wa Blvd
- 10pm - 11pm: 55.2
- 11pm - 12am: 52.4
- 12am - 1am: 50.1
- 1am - 2am: 46.7
- 2am - 3am: 47.2
- 3am - 4am: 49.6
- 4am - 5am: 52.1
- 5am - 6am: 55.9
- 6am - 7am: 60.4
- N/A
- N/A

### Site 8 - Portable Between Sites 4 and 6
- 10pm - 11pm: 63
- 11pm - 12am: 57.0
- 12am - 1am: 53.5
- 1am - 2am: 50.4
- 2am - 3am: 47.2
- 3am - 4am: 50.0
- 4am - 5am: 49.9
- 5am - 6am: 52.0
- 6am - 7am: 54.4
- 7am - 8am: 56.8
- 8am - 9am: N/A
- N/A

### Site 9 - Portable Between Sites 1 and 7
- 10pm - 11pm: 66
- 11pm - 12am: 60.6
- 12am - 1am: 57.6
- 1am - 2am: 54.9
- 2am - 3am: 51.6
- 3am - 4am: 51.4
- 4am - 5am: 54.6
- 5am - 6am: 57.3
- 6am - 7am: 61.2
- 7am - 8am: 65.2
- 8am - 9am: N/A
- N/A

### Site 10 - Portable Between Sites 1 and 7
- 10pm - 11pm: 66
- 11pm - 12am: 62.5
- 12am - 1am: 59.0
- 1am - 2am: 55.5
- 2am - 3am: 52.1
- 3am - 4am: 50.4
- 4am - 5am: 52.2
- 5am - 6am: 56.8
- 6am - 7am: 62.5
- 7am - 8am: 67.0
- 8am - 9am: N/A
- N/A

---

**Notes recorded by the on-site Independent Noise Monitor**

**Work:**
- No nighttime construction work performed.

**Public Comments:**
- No public comments received related to nighttime noise.

**Exceedences:**
- 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
- ~ = No Data Available

---

Montlake Project MPPCNV Weekly Report
### Public Comment Log

<table>
<thead>
<tr>
<th>Date / Time</th>
<th>To/From</th>
<th>Issue</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/22/19 - 2:02 a.m.</td>
<td>To: SR 520 email From: Resident near site #6</td>
<td>NOTE: The INM was informed of the complaint on Saturday at 11:40 a.m. 2:02 a.m. Friday 11/22 an email complaint was received from a resident on East Hamlin Street about loud machine noise, crew talking, and back up beeping noise in the middle of the night/early morning.</td>
<td>Bob Derry (Hotline Communication) talked to the contractor, and informed them of the complaint. The contractor QA and the INM did not observe any back up alarms during that night. Bob Derry and John Welch talked to the resident later that day and encouraged her to call the hotline should she have nighttime complaints in the future.</td>
</tr>
</tbody>
</table>