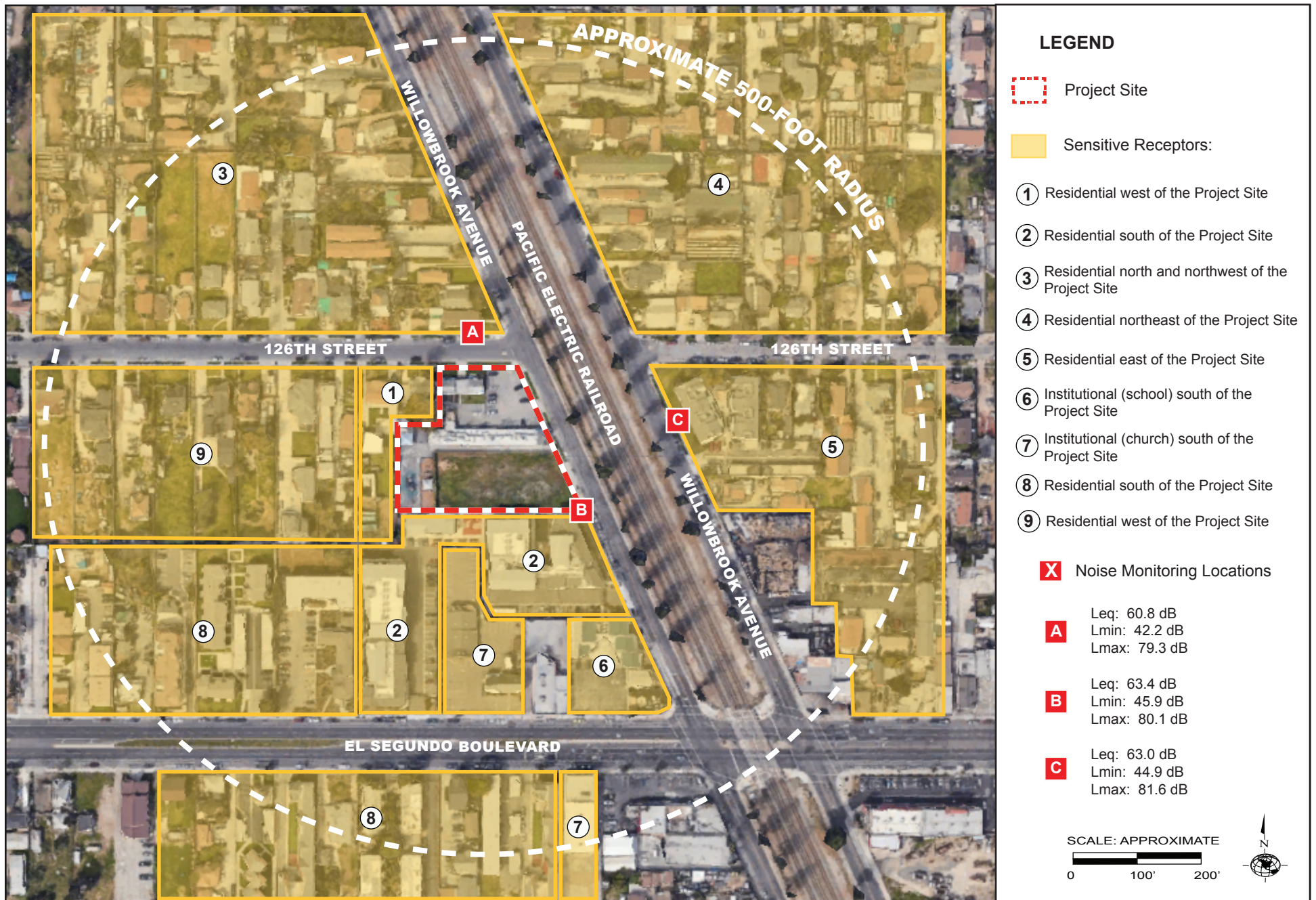


## **APPENDIX D: NOISE MONITORING DATA**

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**Summary**

**File Name on Meter** 831\_Data.039.s  
**Serial Number** 0010304  
**Model** SoundAdvisor™ Model 831C  
**Firmware Version** 04.5.1R0  
**User** Ryan Morrison  
**Job Description** Willowbrook III Project  
**Location A:** On the north side of 126th Street  
**Noise Sources:** Light vehicle traffic, light pedestrian traffic, buses


**Measurement**

**Description**  
**Latitude** GPS Not Synchronized  
**Longitude** GPS Not Synchronized  
**Elevation** GPS Not Synchronized  
**Start** 2021-06-11 11:06:57  
**Stop** 2021-06-11 11:21:57  
**Duration** 00:15:00.0  
**Run Time** 00:15:00.0  
**Pause** 00:00:00.0  
  
**Pre-Calibration** 2021-02-04 10:56:30  
**Post-Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** A Weighting  
**Detector** Slow  
**Preamplifier** PRM831  
**Microphone Correction** Off  
**Integration Method** Linear  
**Gain** 0.0 dB  
**Overload** 144.7 dB  
  

|                          | A    | C    | Z       |
|--------------------------|------|------|---------|
| <b>Under Range Peak</b>  | 66.4 | 67.4 | 69.4 dB |
| <b>Under Range Limit</b> | 25.7 | 26.4 | 37.4 dB |
| <b>Noise Floor</b>       | 16.6 | 17.2 | 25.0 dB |

**Results**

**LAeq** 60.8  
**LAE** 90.3  
**EA** 119.585  $\mu\text{Pa}^2\text{h}$   
**LApeak (max)** 2021-06-11 11:18:22 92.8 dB  
**LASmax** 2021-06-11 11:16:41 79.3 dB  
**LASmin** 2021-06-11 11:17:08 42.2 dB  
**SEA** -99.94 dB  
**LAFTM5** 65.9 dB  
  

|                                                            |    |        |
|------------------------------------------------------------|----|--------|
| <b>LAS &gt; 65.0 dB (Exceedance Counts / Duration)</b>     | 17 | 84.9 s |
| <b>LAS &gt; 85.0 dB (Exceedance Counts / Duration)</b>     | 0  | 0.0 s  |
| <b>LApeak &gt; 135.0 dB (Exceedance Counts / Duration)</b> | 0  | 0.0 s  |
| <b>LApeak &gt; 137.0 dB (Exceedance Counts / Duration)</b> | 0  | 0.0 s  |
| <b>LApeak &gt; 140.0 dB (Exceedance Counts / Duration)</b> | 0  | 0.0 s  |

| Community Noise    | Ldn     | LDay 07:00-22:00 | Lden | LDay 07:00-19:00 |
|--------------------|---------|------------------|------|------------------|
|                    | 60.8    | 60.8             | 60.8 | 60.8             |
| <b>LCeq</b>        | 69.7 dB |                  |      |                  |
| <b>LAeq</b>        | 60.8 dB |                  |      |                  |
| <b>LCeq - LAeq</b> | 8.9 dB  |                  |      |                  |
| <b>LAeq</b>        | 62.8 dB |                  |      |                  |
| <b>LAeq</b>        | 60.8 dB |                  |      |                  |
| <b>LAeq - LAeq</b> | 2.0 dB  |                  |      |                  |

Leq  
 LS(max)  
 LF(max)  
 LI(max)  
 LS(min)  
 LF(min)  
 LI(min)  
 LPeak(max)

| A |      |                     |
|---|------|---------------------|
|   | dB   | Time Stamp          |
|   | 60.8 |                     |
|   | 79.3 | 2021/06/11 11:16:41 |
|   | 80.9 | 2021/06/11 11:16:40 |
|   | 81.9 | 2021/06/11 11:16:41 |
|   | 42.2 | 2021/06/11 11:17:08 |
|   | 41.1 | 2021/06/11 11:19:37 |
|   | 41.8 | 2021/06/11 11:17:08 |
|   | 92.8 | 2021/06/11 11:18:22 |

Overload Count 0  
 Overload Duration 0.0 s

#### Statistics

|          |         |
|----------|---------|
| LAI5.00  | 66.2 dB |
| LAI10.00 | 63.4 dB |
| LAI33.30 | 56.1 dB |
| LAI50.00 | 52.8 dB |
| LAI66.60 | 50.0 dB |
| LAI90.00 | 46.0 dB |

### Summary

**File Name on Meter** 831\_Data.040.s  
**Serial Number** 0010304  
**Model** SoundAdvisor™ Model 831C  
**Firmware Version** 04.5.1R0  
**User** Ryan Morrison  
**Job Description** Willowbrook III Project  
**Location B:** On the west side of Willowbrook Avenue, adjacent to the Project Site  
**Noise Sources:** Light vehicle traffic, light pedestrian traffic, buses



### Measurement

**Description**  
**Latitude** GPS Not Synchronized  
**Longitude** GPS Not Synchronized  
**Elevation** GPS Not Synchronized  
**Start** 2021-06-11 11:26:16  
**Stop** 2021-06-11 11:41:16  
**Duration** 00:15:00.0  
**Run Time** 00:15:00.0  
**Pause** 00:00:00.0  
  
**Pre-Calibration** 2021-02-04 10:56:30  
**Post-Calibration** None  
**Calibration Deviation** ---

### Overall Settings

**RMS Weight** A Weighting  
**Peak Weight** A Weighting  
**Detector** Slow  
**Preamplifier** PRM831  
**Microphone Correction** Off  
**Integration Method** Linear  
**Gain** 0.0 dB  
**Overload** 144.7 dB  
  

|                          | A    | C    | Z       |
|--------------------------|------|------|---------|
| <b>Under Range Peak</b>  | 66.4 | 67.4 | 69.4 dB |
| <b>Under Range Limit</b> | 25.7 | 26.4 | 37.4 dB |
| <b>Noise Floor</b>       | 16.6 | 17.2 | 25.0 dB |

### Results

**LAeq** 63.4  
**LAE** 92.9  
**EA** 216.847  $\mu\text{Pa}^2\text{h}$   
**LApeak (max)** 2021-06-11 11:32:23 107.1 dB  
**LASmax** 2021-06-11 11:40:06 80.1 dB  
**LASmin** 2021-06-11 11:34:01 45.9 dB  
**SEA** -99.94 dB  
**LAFTM5** 70.0 dB

**LAS > 65.0 dB (Exceedance Counts / Duration)** 42 180.5 s  
**LAS > 85.0 dB (Exceedance Counts / Duration)** 0 0.0 s  
**LApeak > 135.0 dB (Exceedance Counts / Duration)** 0 0.0 s  
**LApeak > 137.0 dB (Exceedance Counts / Duration)** 0 0.0 s  
**LApeak > 140.0 dB (Exceedance Counts / Duration)** 0 0.0 s

| Community Noise    | Ldn     | LDay 07:00-22:00 | Lden | LDay 07:00-19:00 |
|--------------------|---------|------------------|------|------------------|
|                    | 63.4    | 63.4             | 63.4 | 63.4             |
| <b>LCeq</b>        | 74.7 dB |                  |      |                  |
| <b>LAeq</b>        | 63.4 dB |                  |      |                  |
| <b>LCeq - LAeq</b> | 11.3 dB |                  |      |                  |
| <b>LAeq</b>        | 67.3 dB |                  |      |                  |
| <b>LAeq</b>        | 63.4 dB |                  |      |                  |
| <b>LAeq - LAeq</b> | 4.0 dB  |                  |      |                  |

Leq  
 LS(max)  
 LF(max)  
 LI(max)  
 LS(min)  
 LF(min)  
 LI(min)  
 LPeak(max)

| A     |            |          |
|-------|------------|----------|
| dB    | Time Stamp |          |
| 63.4  |            |          |
| 80.1  | 2021/06/11 | 11:40:06 |
| 84.8  | 2021/06/11 | 11:32:23 |
| 89.7  | 2021/06/11 | 11:32:23 |
| 45.9  | 2021/06/11 | 11:34:01 |
| 44.2  | 2021/06/11 | 11:33:59 |
| 46.4  | 2021/06/11 | 11:26:34 |
| 107.1 | 2021/06/11 | 11:32:23 |

Overload Count 0  
 Overload Duration 0.0 s

#### Statistics

|          |         |
|----------|---------|
| LAI5.00  | 69.0 dB |
| LAI10.00 | 66.4 dB |
| LAI33.30 | 60.0 dB |
| LAI50.00 | 56.1 dB |
| LAI66.60 | 53.5 dB |
| LAI90.00 | 49.9 dB |

**Summary**

**File Name on Meter** 831\_Data.041.s  
**Serial Number** 0010304  
**Model** SoundAdvisor™ Model 831C  
**Firmware Version** 04.5.1R0  
**User** Ryan Morrison  
**Job Description** Willowbrook III Project  
**Location C:** On the east side of Willowbrook Avenue  
**Noise Sources:** Light vehicle traffic, Light pedestrian traffic, buses


**Measurement**

**Description**  
**Latitude** GPS Not Synchronized  
**Longitude** GPS Not Synchronized  
**Elevation** GPS Not Synchronized  
**Start** 2021-06-11 12:03:52  
**Stop** 2021-06-11 12:18:52  
**Duration** 00:15:00.0  
**Run Time** 00:15:00.0  
**Pause** 00:00:00.0  
  
**Pre-Calibration** 2021-02-04 10:56:30  
**Post-Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

|                              |             |          |          |
|------------------------------|-------------|----------|----------|
| <b>RMS Weight</b>            | A Weighting |          |          |
| <b>Peak Weight</b>           | A Weighting |          |          |
| <b>Detector</b>              | Slow        |          |          |
| <b>Preamplifier</b>          | PRM831      |          |          |
| <b>Microphone Correction</b> | Off         |          |          |
| <b>Integration Method</b>    | Linear      |          |          |
| <b>Gain</b>                  | 0.0 dB      |          |          |
| <b>Overload</b>              | 144.7 dB    |          |          |
|                              | <b>A</b>    | <b>C</b> | <b>Z</b> |
| <b>Under Range Peak</b>      | 66.4        | 67.4     | 69.4 dB  |
| <b>Under Range Limit</b>     | 25.7        | 26.4     | 37.4 dB  |
| <b>Noise Floor</b>           | 16.6        | 17.2     | 25.0 dB  |

**Results**

|                                                            |                                  |         |
|------------------------------------------------------------|----------------------------------|---------|
| <b>LAeq</b>                                                | 63.0                             |         |
| <b>LAE</b>                                                 | 92.6                             |         |
| <b>EA</b>                                                  | 200.051 $\mu\text{Pa}^2\text{h}$ |         |
| <b>LApeak (max)</b>                                        | 2021-06-11 12:16:57              | 94.3 dB |
| <b>LASmax</b>                                              | 2021-06-11 12:16:58              | 81.6 dB |
| <b>LASmin</b>                                              | 2021-06-11 12:06:32              | 44.9 dB |
| <b>SEA</b>                                                 | -99.94 dB                        |         |
| <b>LAFTM5</b>                                              | 67.6 dB                          |         |
| <b>LAS &gt; 65.0 dB (Exceedance Counts / Duration)</b>     | 27                               | 107.5 s |
| <b>LAS &gt; 85.0 dB (Exceedance Counts / Duration)</b>     | 0                                | 0.0 s   |
| <b>LApeak &gt; 135.0 dB (Exceedance Counts / Duration)</b> | 0                                | 0.0 s   |
| <b>LApeak &gt; 137.0 dB (Exceedance Counts / Duration)</b> | 0                                | 0.0 s   |
| <b>LApeak &gt; 140.0 dB (Exceedance Counts / Duration)</b> | 0                                | 0.0 s   |

|                        |            |                         |             |                         |
|------------------------|------------|-------------------------|-------------|-------------------------|
| <b>Community Noise</b> | <b>Ldn</b> | <b>LDay 07:00-22:00</b> | <b>Lden</b> | <b>LDay 07:00-19:00</b> |
|                        | 63.0       | 63.0                    | 63.0        | 63.0                    |
| <b>LCeq</b>            | 69.9 dB    |                         |             |                         |
| <b>LAeq</b>            | 63.0 dB    |                         |             |                         |
| <b>LCeq - LAeq</b>     | 6.9 dB     |                         |             |                         |
| <b>LAleq</b>           | 64.5 dB    |                         |             |                         |
| <b>LAeq</b>            | 63.0 dB    |                         |             |                         |
| <b>LAleq - LAeq</b>    | 1.5 dB     |                         |             |                         |

Leq  
 LS(max)  
 LF(max)  
 LI(max)  
 LS(min)  
 LF(min)  
 LI(min)  
 LPeak(max)

| A    |                     |
|------|---------------------|
| dB   | Time Stamp          |
| 63.0 |                     |
| 81.6 | 2021/06/11 12:16:58 |
| 83.0 | 2021/06/11 12:16:58 |
| 83.7 | 2021/06/11 12:16:58 |
| 44.9 | 2021/06/11 12:06:32 |
| 43.9 | 2021/06/11 12:06:32 |
| 44.3 | 2021/06/11 12:06:32 |
| 94.3 | 2021/06/11 12:16:57 |

Overload Count 0  
 Overload Duration 0.0 s

#### Statistics

LAI5.00 67.1 dB  
 LAI10.00 64.6 dB  
 LAI33.30 57.2 dB  
 LAI50.00 53.6 dB  
 LAI66.60 51.5 dB  
 LAI90.00 48.5 dB