

# Appendix NOI

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Road Construction Noise Model Output

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 2/4/2021

Case Descr 2600 Moraga Road

---- Receptor #1 ----

|             |             | Baselines (dBA) |         |       |
|-------------|-------------|-----------------|---------|-------|
| Descriptor  | Land Use    | Daytime         | Evening | Night |
| Nearest Dis | Residential | 75              | 75      | 75    |

|                  |        | Equipment |        |          |           |       |
|------------------|--------|-----------|--------|----------|-----------|-------|
|                  |        | Spec      | Actual | Receptor | Estimated |       |
| Description      | Impact | Lmax      | Lmax   | Distance | Shielding |       |
|                  | Device | Usage(%)  | (dBA)  | (dBA)    | (feet)    | (dBA) |
| Dozer            | No     | 40        |        | 81.7     | 50        | 0     |
| Front End Loader | No     | 40        |        | 79.1     | 50        | 0     |

|                  |       | Results          |      |                    |      |         |      |       |
|------------------|-------|------------------|------|--------------------|------|---------|------|-------|
|                  |       | Calculated (dBA) |      | Noise Limits (dBA) |      |         |      |       |
|                  |       |                  |      | Day                |      | Evening |      | Night |
| Equipment        | *Lmax | Leq              | Lmax | Leq                | Lmax | Leq     | Lmax | Lmax  |
| Dozer            | 81.7  | 77.7             | N/A  | N/A                | N/A  | N/A     | N/A  | N/A   |
| Front End Loader | 79.1  | 75.1             | N/A  | N/A                | N/A  | N/A     | N/A  | N/A   |
| Total            | 81.7  | 79.6             | N/A  | N/A                | N/A  | N/A     | N/A  | N/A   |

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

|            |             | Baselines (dBA) |         |       |
|------------|-------------|-----------------|---------|-------|
| Descriptor | Land Use    | Daytime         | Evening | Night |
| Average Di | Residential | 75              | 75      | 75    |

|                  |        | Equipment |        |          |           |       |
|------------------|--------|-----------|--------|----------|-----------|-------|
|                  |        | Spec      | Actual | Receptor | Estimated |       |
| Description      | Impact | Lmax      | Lmax   | Distance | Shielding |       |
|                  | Device | Usage(%)  | (dBA)  | (dBA)    | (feet)    | (dBA) |
| Dozer            | No     | 40        |        | 81.7     | 235       | 0     |
| Front End Loader | No     | 40        |        | 79.1     | 235       | 0     |

|                  |       | Results          |      |                    |      |         |      |       |
|------------------|-------|------------------|------|--------------------|------|---------|------|-------|
|                  |       | Calculated (dBA) |      | Noise Limits (dBA) |      |         |      |       |
|                  |       |                  |      | Day                |      | Evening |      | Night |
| Equipment        | *Lmax | Leq              | Lmax | Leq                | Lmax | Leq     | Lmax | Lmax  |
| Dozer            | 68.2  | 64.2             | N/A  | N/A                | N/A  | N/A     | N/A  | N/A   |
| Front End Loader | 65.7  | 61.7             | N/A  | N/A                | N/A  | N/A     | N/A  | N/A   |
| Total            | 68.2  | 66.2             | N/A  | N/A                | N/A  | N/A     | N/A  | N/A   |

\*Calculated Lmax is the Loudest value.

Noise Limit Exceedance (dBA)

|  | Day |      | Evening |      | Night |      |
|--|-----|------|---------|------|-------|------|
|  | Leq | Lmax | Leq     | Lmax | Leq   | Lmax |
|  | N/A | N/A  | N/A     | N/A  | N/A   | N/A  |
|  | N/A | N/A  | N/A     | N/A  | N/A   | N/A  |
|  | N/A | N/A  | N/A     | N/A  | N/A   | N/A  |

Noise Limit Exceedance (dBA)

|  | Day |      | Evening |      | Night |      |
|--|-----|------|---------|------|-------|------|
|  | Leq | Lmax | Leq     | Lmax | Leq   | Lmax |
|  | N/A | N/A  | N/A     | N/A  | N/A   | N/A  |
|  | N/A | N/A  | N/A     | N/A  | N/A   | N/A  |
|  | N/A | N/A  | N/A     | N/A  | N/A   | N/A  |