

## **Appendix FEIR-2**

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### Supplemental Noise Worksheets

# **New Beatrice West Project**

## **Noise Calculations Worksheets**

Provided by Acoustical Engineering Services

As stated in Page IV.I-20 of the DEIR, recording studios are not defined as noise sensitive receptors for CEQA purposes, and thus, evaluation of the off-site construction noise at receptors R4 and R5 are provided for informational purposes.

**Project: Beatrice Project**

**Construction Phase: *Off-Site Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Concrete Saw (electric)	1	76	20%	30	0
Backhoe	1	78	40%	30	0

**Receptor:** <sup>2</sup> **R1**

**Results:**  
**1-hour Leq: 79.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Beatrice Project**

**Construction Phase: *Off-Site Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Concrete Saw (electric)	1	76	20%	60	5
Backhoe	1	78	40%	60	5

**Receptor:** 2  
**R2**

**Results:**  
**1-hour Leq: 68.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Beatrice Project**

**Construction Phase: *Off-Site Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Concrete Saw (electric)	1	76	20%	210	0
Backhoe	1	78	40%	210	0

**Receptor:** 2  
**R3**

**Results:**  
**1-hour Leq: 62.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Beatrice Project**

**Construction Phase: *Off-Site Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Concrete Saw (electric)	1	76	20%	30	0
Backhoe	1	78	40%	30	0

**Receptor:** 2  
**R4**

**Results:**  
**1-hour Leq: 79.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Beatrice Project**

**Construction Phase: *Off-Site Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Concrete Saw (electric)	1	76	20%	50	0
Backhoe	1	78	40%	50	0

**Receptor:** 2  
**R5**

**Results:**  
**1-hour Leq: 75.2**

Source for Ref. Noise Levels: FHWA RCNM, 2006