





# Caltrans Transportation and Construction Vibration Guidance Manual

**Project Name:** Grubb Lease Decommissioning

**Scenario:** Onshore pipe removal

## Select Input Values

<b>Source Levels (PPV)</b>		<b>Damage Criteria (Lv)</b>	
Vibratory roller	0.210	<u>Human: continous, frequent intermittent sources</u>	
Large bulldozer	0.089	Barely perceptible	0.01
Caisson drilling	0.089	Distinctly perceptible	0.04
Loaded trucks	0.076	Strongly perceptible	0.1
Jackhammer	0.035	Severe	0.4
Small bulldozer	0.003		
Crack & seat operations	2.4	<u>Structures: continous, frequent intermittent sources</u>	
		Fragile buildings	0.1
		Historic & some old buildings	0.25
		Older residential	0.3
		New residential	0.5
		Modern comecial & industrial	0.5

## Soil Material Values

Weak, soft, loose soil	1.4
Competent soils	1.3
Hard compacted soils	1.1
Hard competent bedrock	1.0

## Project Data

<b>Source Level</b>	0.089
<b>Soil material (n):</b>	1.3
<b>Distance to receptor(feet)</b>	750

## Results

<b>PPV at receptor</b>	0.00107
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