



Construction Noise v7.0

Advanced Noise Construction Model

This program is based on the well-known Federal Highway Administration (FHWA) Roadway Construction Noise Model v1.0. It is used to assist in the prediction of construction noise. Due to the fact that construction is often conducted in close proximity to residences and businesses, construction noise must be controlled and monitored to avoid impacts on surrounding communities. In addition to community issues, excessive noise can threaten a construction project's progress. Each project needs to balance the community's need for peace and quiet with the contractor's need to progress the work.

Equipment	Calculated (dBA)	Noise limit (dBA)									
		Day	Evening	Night	Day	Evening	Night				
* Total	84.0	77.0	80.0	80.0	80.0	74.0	80.0	80.0	80.0	80.0	80.0
1 Blasting	84.0	77.0	80.0	80.0	80.0	74.0	80.0	80.0	80.0	80.0	80.0
2 Jackhammer	80.0	84.0	80.0	80.0	80.0	74.0	80.0	80.0	80.0	80.0	80.0
3 Blasting	84.0	77.0	80.0	80.0	80.0	74.0	80.0	80.0	80.0	80.0	80.0
4 Jackhammer	80.0	84.0	80.0	80.0	80.0	74.0	80.0	80.0	80.0	80.0	80.0

Powerful, Flexible, Compatible

- Unlimited number of receptors.
- Unlimited number of equipment.
- Customizable noise limit criteria.
- Separate day, evening and night calculations.
- Multilevel undo and redo.

Receptors...

Name	Active	Land use	Daytime baseline (dBA)	Evening baseline (dBA)	Nighttime baseline (dBA)
1. 211-211-10-10-10	Yes	Residential	78.0	78.0	78.0
2. 211-211-10-10-10	Yes	Residential	78.0	78.0	78.0

Equipment list...

No	Description	Impact	Usage (%)	SPEC Limit (dBA)	Actual Limit (dBA)
1	All Other Equipment > 5 HP	No	50.00	85.0	N/A
2	Auger Drill Rig	No	20.00	85.0	84.4
3	Backhoe	No	40.00	80.0	77.6
4	Bar Bender	No	20.00	80.0	N/A
5	Blasting	Yes	N/A	94.0	N/A
6	Boring Jack Power Unit	No	50.00	80.0	83.0
7	Chain Saw	No	20.00	85.0	83.7
8	Clam Shovel (dropping)	Yes	20.00	93.0	87.2
9	Compactor (ground)	No	20.00	80.0	83.2
10	Compressor (air)	No	40.00	80.0	77.7
11	Concrete Batch Plant	No	15.00	83.0	N/A
12	Concrete Mixer Truck	No	40.00	85.0	78.8
13	Concrete Pump Truck	No	20.00	82.0	81.4
14	Concrete Saw	No	20.00	90.0	89.6
15	Crane	No	16.00	85.0	80.6
16	Digger	No	40.00	85.0	81.7
17	Drill Rig Truck	No	20.00	84.0	79.1
18	Drum Mixer	No	50.00	80.0	80.0

Enhance your productivity

- Import/export data from Excel CSV files, ASCII txt files, or edit directly in the program's editor.
- Fully customizable embedded databases of common variables.
- Professional visual and analytical reports the way you want them to be.

Noise limit criteria...

Combination	Impact	Value (dBA)
Residential Day	Non-Impact	Value (85.0)
Residential Evening	Non-Impact	Value (80.0)
Residential Night	Non-Impact	Value (80.0)
Commercial Day	Non-Impact	Value (85.0)
Commercial Evening	Non-Impact	Value (80.0)
Commercial Night	Non-Impact	Value (80.0)
Industrial Day	Non-Impact	Value (85.0)
Industrial Evening	Non-Impact	Value (80.0)
Industrial Night	Non-Impact	Value (80.0)

Point Manager

Day	Evening	Night
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
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253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300

A free functional demo is available at TechnoLogismiki's web site.

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