

NOISE DATA WORKSHEET

Job No:

Job Name:

Roadway Reference:

County:

Design Year:

Year(s) To Be Modeled:

Roadway Cross-Sections: Note: DHV = (ADT)(K)
DDHV = (ADT)(K)(D)
K - Percent of ADT occurring in design hour
D - Directional Distribution

Operating Speed: Kfactor

Traffic Data:

YEAR	ADT	%TRUCK	DHV	CARS	MT	HT	CARS/2	MT/2	HT/2
Existing									
2022	8,100	32%	729	494	30	205			
2022		32%	0	0	0	0	0	0	0

Garver 27-Feb-24
Ryan Mountain anc TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND
PROJECT/CONTR I-57 ARDOT No. 100512
RUN: Hwy 67 2022 W/out Bypass
BARRIER DESIGN INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h	Increase over existing	Type	With Barrier	Calculated Noise Reduction	Calculated Goal	Calculated minus Goal		
			dBA	dBA	Sub'l Inc	Impact	LAeq1h	Calculated Goal		dB		
	25	1	1	0	73.8	66	73.8	10 Snd Lvl	73.8	0	8	-8
	42	2	1	0	71.1	66	71.1	10 Snd Lvl	71.1	0	8	-8
	75	3	1	0	68.2	66	68.2	10 Snd Lvl	68.2	0	8	-8
	105	4	1	0	66.6	66	66.6	10 Snd Lvl	66.6	0	8	-8
	125	5	1	0	65.7	66	65.7	10 ---	65.7	0	8	-8
	150	6	1	0	64.8	66	64.8	10 ---	64.8	0	8	-8
	180	7	1	0	63.5	66	63.5	10 ---	63.5	0	8	-8
	200	8	1	0	62.5	66	62.5	10 ---	62.5	0	8	-8
	250	11	1	0	60.2	66	60.2	10 ---	60.2	0	8	-8
	300	12	1	0	58.5	66	58.5	10 ---	58.5	0	8	-8
	350	31	1	0	57.0	66	57	10 ---	57	0	8	-8

Dwelling Units	# DUs	Min	Avg	Max
		dB	dB	dB
All Selected	11	0	0	0
All Impacted	4	0	0	0
All that meet NR Goal	0	0	0	0

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Operating Speed: Kfactor

Traffic Data:

YEAR	ADT	%TRUCK	DHV	CARS	MT	HT	CARS/2	MT/2	HT/2
2022	4,680	6.7%	358	334	1	23			
	0	7%	0	0	0	0	0	0	0

W/Bypass

Garver
Ryan Mountain anc

27-Feb-24
TNM 2.5
Calculated with TNM 2.5

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Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h	Increase over existing	Type	With Barrier	Calculated Noise Reduction	Goal	Calculated minus Goal		
			dBA	dBA	Calculated Crit'n	Sub'l Inc	LAeq1h	Calculated		dB		
	22	1	1	0	67.2	66	67.2	10 Snd Lvl	67.2	0	8	-8
	28	2	1	0	66.0	66	66	10 Snd Lvl	66	0	8	-8
	75	3	1	0	61.1	66	61.1	10 ---	61.1	0	8	-8
	105	4	1	0	59.4	66	59.4	10 ---	59.4	0	8	-8
	125	5	1	0	58.5	66	58.5	10 ---	58.5	0	8	-8
	150	6	1	0	57.6	66	57.6	10 ---	57.6	0	8	-8
	180	7	1	0	56.3	66	56.3	10 ---	56.3	0	8	-8
	200	8	1	0	55.1	66	55.1	10 ---	55.1	0	8	-8
	250	11	1	0	52.7	66	52.7	10 ---	52.7	0	8	-8
	300	12	1	0	50.7	66	50.7	10 ---	50.7	0	8	-8
	350	31	1	0	49.1	66	49.1	10 ---	49.1	0	8	-8

Dwelling Units	# DUs	Noise Reduction	Min	Avg	Max
			dB	dB	dB
All Selected	11		0	0	0
All Impacted	2		0	0	0
All that meet NR Goal	0		0	0	0