



# I-280 Noise and Air Pollution in Los Altos and Los Altos Hills has become a Big Problem

(But we can do something about it)

# The Problem

- **Existing I-280 Road Surface is Old and Getting Worse**
- **Robust Economy means More Traffic and Higher Speeds**
  - **Results: Higher Noise and Extra Tire and Road Wear**
- **This Causes:**
  - **Noise Pollution – Measured Noise Power Levels to ~85dB ...**
    - LAH Noise Power Limit is +60 dB (Day Limit; Night is +40dB)
    - Average of all Noise Power Levels Measured = +66.2 dB
    - Peak values measured 84.9 dB! (~320 Times Max Day Noise Allowed)
  - **Air Pollution - Release of 2.5 micron particulates**
    - From Tires and the Road
    - Particles This Size are Dangerous
  - **Potential Impacts on Property Values**

# – There is a Mitigation Solution – Community Organization and Rubberized Asphalt

- **Any New Pavement is Required by Law to be “Low Noise”**
  - Tests Show up to 90% Noise and Pollution Reductions are Possible
  - Test Patches in Woodside were done in 2003 because THEY made a Big Deal about the Noise ... They’re now doing just fine.
- **CalTrans is Aware of the Problem**
  - The project is identified
  - CalTrans estimates at least **SIX years** to **begin** to address it
  - **The “Ask” is to do it NOW instead of Waiting 6-8 Years Hence**
    - There is no extra cost – It’s actually cheaper to do it now
- **Community Involvement can Speed Things Up!**

# What can be Done?

- **Repave ~5 Miles of I-280 with Rubberized Asphalt Now**
  - Between Page Mill Road and Foothill Expressway
  - Decreased Road and Tire Wear
  - Reduce Noise and Pollution Levels by up to 90%
- **Please Join Me in Signing a Petition that:**
  - Asks to have I-280 repaved as soon as possible
- **More than 750 signatures now collected by Paper or On-Line petitions ... but to Make a Statement - We Want 3,000!**
  - Petitions will be sent to Sen. Jerry Hill, Assyman Rich Gordon and CalTrans Director Bijan Sartipi

# - Repave I-280 Now - More Information and a Petition

- Much more information about this initiative can be found here: <http://www.pagemill280.org/Noise/Noise.htm>
- An On-Line petition at Change.Org has been created
  - <https://www.change.org/p/bijan-sartipi-reduce-hwy-280-noise-in-los-altos-los-altos-hills>
- OR - email [I280Noise@gmail.com](mailto:I280Noise@gmail.com) asking that your name be added to the petition. Please include a name and address.
- *Your personal information **WILL NOT** be shared with anyone.*

# I-280 between Page Mill Road and Foothill Xing



**The stretch between Page Mill Road and Foothill Expressway has the Highest Population Density between Hi-ways 85 & 92, Highest recorded noise was ~85dB - (~320) times allowable LAH (+60dB) Max Red Dots are Noise Data Collection Sites**

Date	Time	Station Number	Low Readings	High Readings	Max Hold Readings	
1-Dec-14	5:55 AM	1	49.1	58.6	59.5	
Damp Pavement, Drizzle, 57 degrees	6:02 AM	2	45.6	75.0	70.8	
	6:12 AM	3	54.1	64.2	59.9	
	6:27 AM	4	54.5	63.6	63.4	
	6:35 AM	5	64.9	72.5	71.9	
	6:42 AM	6	51.8	63.0	61.9	
	6:53 AM	7	65.9	70.4	78.6	
	7:05 AM	8	60.7	71.6	69.8	
	7:08 AM	9	61.1	72.7	64.2	
	7:13 AM	11	63.0	72.2	71.6	
	7:26 AM	12	57.8	61.3	63.0	
	7:35 AM	13	61.1	64.2	67.7	
	7:42 AM	14	47.1	56.7	62.4	
	Average:			56.7	66.6	66.5

Station 10 was removed for safety reasons

Date	Time	Station Number	Low Readings	High Readings	Max Hold Readings	
4-Dec-14	3:34 PM	1	54.9	57.7	58.6	
Dry Pavement, slower Traffic than AM due to 4 -> 3 lane compression at Page Mill (SB)	3:39 PM	2	56.9	60.7	66.0	
	3:47 PM	3	55.6	63.3	67.1	
	3:54 PM	4	60.9	67.7	66.2	
	4:01 PM	5	62.1	70.9	71.1	
	4:07 PM	6	52.9	60.1	59.3	
	4:15 PM	7	61.6	67.2	68.3	
	4:24 PM	8	61.3	67.6	67.2	
	4:28 PM	9	60.3	67.2	67.9	
	4:34 PM	11	68.1	71.2	72.1	
	4:47 PM	12	55.9	61.6	60.0	
	5:01 PM	13	57.6	61.1	63.0	
	4:56 PM	14	50.6	59.7	59.1	
	Average:			58.4	64.3	65.1

Date	Time	Station Number	Low Readings	High Readings	Max Hold Readings	
5-Dec-14	5:57 AM	1	51.8	61.9	58.6	
Damp Pavement, Morning Dew & Drizzle, 58 degrees	6:29 AM	2	56.4	73.6	61.3	
	6:38 AM	3	58.2	62.6	62.9	
	6:48 AM	4	56.2	64.2	64.1	
	6:54 AM	5	62.0	68.4	69.3	
	7:01 AM	6	52.1	58.5	57.0	
	7:09 AM	7	63.5	70.7	70.1	
	7:17 AM	8	57.2	74.9	69.9	
	7:23 AM	9	58.1	62.9	64.0	
	7:30 AM	11	61.8	71.0	71.8	
	7:43 AM	12	57.2	62.9	61.5	
	7:51 AM	13	55.9	63.1	64.6	
	8:04 AM	14	54.8	58.3	57.9	
	Average:			57.3	65.6	64.1

Date	Time	Station Number	Low Readings	High Readings	Max Hold Readings	
5-Jan-15	6:20 AM	1	56	60.6	62	
43 degrees Dry road 1st day back to work	6:36 AM	2	58.1	63.8	65.6	
	6:43 AM	3	58.9	65.5	65.7	
	6:51 AM	4	52.8	67.1	67.0	
	6:57 AM	5	52.9	71.3	70.7	
	7:09 AM	6	42.7	59.8	58.8	
	7:16 AM	7	54.3	75.6	73.1	
	7:26 AM	8	57.4	70.5	74.2	
	7:32 AM	9	53.7	74.5	68.7	
	7:39 AM	11	62.2	84.7	73.3	
	7:54 AM	12	54.9	66.6	63.4	
	8:10 AM	13	47.1	66.9	63.7	
	8:04 AM	14	42.3	56.0	57.7	
	Average:			53.3	67.9	66.5

Date	Time	Station Number	Low Readings	High Readings	Max Hold Readings	
6-Jan-15	5:50 AM	1	50.4	58.1	57.3	
40 degrees	6:01 AM	2	48.1	61.2	59.6	
	6:07 AM	3	50.7	65.1	64.0	
	6:14 AM	4	50.6	65.3	64.7	
	6:21 AM	5	54.5	69.9	68.6	
	6:29 AM	6	49.5	60.7	59.2	
	6:37 AM	7	55.8	71.7	72.5	
	6:46 AM	8	19.4	68.6	69.5	
	6:52 AM	9	56.3	73.9	84.9	
	6:57 AM	11	64.7	74.5	84.7	
	7:09 AM	12	58.2	63.5	66.2	
	7:24 AM	13	57.5	64.9	66.1	
	7:17 AM	14	54.2	59.6	59.3	
	Average:			51.5	65.9	67.4

Date	Time	Station Number	Low Readings	High Readings	Max Hold Readings	
7-Jan-15	7:48 AM	1	56.2	60.5	61.3	
40 degrees Dry Pavement Normal Morning Traffic	6:35 AM	2	51.9	66.5	65.4	
	6:21 AM	3	51.0	66.0	65.1	
	6:11 AM	4	49.0	65.5	63.6	
	6:28 AM	5	57.3	71.4	69.8	
	6:40 AM	6	55.7	59.8	60.2	
	6:49 AM	7	56.6	71.8	71.9	
	6:58 AM	8	58.2	68.3	68.6	
	7:03 AM	9	52.4	65.3	65.5	
	7:09 AM	11	61.0	84.7	74.6	
	7:18 AM	12	51.6	64.7	64.8	
	7:34 AM	13	56.8	64.8	63.8	
	7:27 AM	14	53.1	62.1	61.3	
	Average:			54.7	67.0	65.8

# Actual Test Data Taken Along I-280 From Page Mill Road to Foothill Crossing

Date	Time	Station Number	Low Readings	High Readings	Max Hold Readings	
8-Jan-15	8:10 AM	1	58.5	65.7	66.0	
50-61 degrees, Dry Pavement, Data collected ~ 2 hours later than previous	8:42 AM	2	55.9	62.2	59.7	
	8:50 AM	3	57.5	65.3	68.6	
	8:58 AM	4	58.3	63.8	64.8	
	9:06 AM	5	60.4	69.9	67.2	
	9:14 AM	6	54.8	65.4	60.8	
	9:24 AM	7	58.9	71.3	71.1	
	9:33 AM	8	56.8	68.3	68.3	
	9:38 AM	9	50.4	66.6	70.4	
	9:44 AM	11	60.7	75.5	84.7	
	9:54 AM	12	53.5	61.5	61.4	
	10:10 AM	13	52.8	61.4	60.4	
	10:04 AM	14	48.7	56.8	64.2	
	Average:			55.9	65.7	66.7