### **U-Link Montlake Tunnel Vibrations**



### 1. Are you able to provide the street address of where you live or work in the Montlake neighborhood?

	Response Percent	Response Count
yes	100.0%	10
no	0.0%	0
	answered question	10
	skipped question	0

### 2. Have you at anytime since the end of August felt vibrations or heard sounds that seem to come from the ground or from your house itself?

	Response Percent	Response Count
YES	90.0%	9
NO	10.0%	1
	answered question	10
	skipped question	0

### 3. Do you think these sounds or sensations are associated with the Sound Transit Tunneling project that is happening under the Montlake neighborhood?

	Response Percent	Response Count
Yes	88.9%	8
No	0.0%	0
Not sure	11.1%	1
	answered question	9
	skipped question	1

# 4. What times of day do you feel and or hear these vibrations and or sounds? (check all that apply)

	Response Percent	Response Count
mornings (7AM - noon)	37.5%	3
afternoons (noon - 5PM)	37.5%	3
evenings (5PM - 10PM)	87.5%	7
nightime (10PM - 7AM)	75.0%	6
	answered question	8
	skipped question	2

### 5. You indicated you hear and or feel these vibrations and or sounds at night. Please indicate this experience as best you can.

	yes	no	Response Count
wakes me from sound sleep	66.7% (4)	33.3% (2)	6
prohibits me from falling back asleep if I am up for some other reason	83.3% (5)	16.7% (1)	6
leaves me wondering if I'll be able to fall back asleep before the next one hits	83.3% (5)	16.7% (1)	6
wakes my children	25.0% (1)	75.0% (3)	4
causes anxiety in me or family members	80.0% (4)	20.0% (1)	5
affects my pet or pets	40.0% (2)	60.0% (3)	5
		answered question	6
		skipped question	4

# 6. Do you suffer sleep loss from these vibrations or sounds? Response Percent yes 83.3% 5 no answered question 6

skipped question

4

### 7. You indicated you may have lost sleep from these sounds or vibrations. Estimate the amount of sleep you think you have lost on an average weeknight.

	Response Percent	Response Count
less than 30 minutes	0.0%	0
30 to 60 minutes	20.0%	1
1-2 hours	20.0%	1
2-3 hours	20.0%	1
3-4 hours	0.0%	0
more than 4 hours	40.0%	2
	answered question	5
	skipped question	5

### 8. How do you sense these vibrations or sounds?

	Response Percent	Response Count
hear	12.5%	1
feel	12.5%	1
both hear and feel	75.0%	6
	answered question	8
	skipped question	2

# 9. Thinking back to the period immediately before and the week after Thanksgiving, do you think these sounds and or vibrations changed?

	Response Percent	Response Count
not sure or wasn't around to compare	25.0%	2
they got better after the holiday	37.5%	3
they seemed about the same	25.0%	2
they got worse after the holiday	12.5%	1
	answered question	8
	skipped question	2

# 10. If you hear these sounds, try to pick from the following what best describes the things you hear (check all that apply)

	Response Percent	Response Count
high pitched whining	0.0%	0
pneumatic drill-like sound	0.0%	0
something like but clearly not airplanes or jets overhead	33.3%	2
something like but clearly not the sounds of vehicles in the street	16.7%	1
something like a very intense bass (sub woofer) speaker located near my home	50.0%	3
a deep churning, humming sound	66.7%	4
deep thumping sounds, like a huge bass drum	100.0%	6
something like distant artillery shells	16.7%	1
like a diesel engine accelerating	16.7%	1
like someone dragging a recycling bin up concrete steps	16.7%	1
	Please enter your own description if none of these fit	1
	answered question	6
	skipped question	4

### 11. If you feel vibrations, try to pick how they feel from this list (check all that apply)

	Response Percent	Response Count
tingles in my feet and legs	0.0%	0
just feel it in my bones	33.3%	1
distinct pulses of vibrations like someone touched my chair with an electric hair trimmer or other motor	0.0%	0
continuous vibrations like from a massage chair but not so intense	100.0%	3
	please enter your own description if needed	2

3

7

answered question

skipped question

# 12. How would you rank the intensity of the sounds or vibrations when they are at their most intense levels?

	Response Percent	Response Count
only noticeable in a very quiet setting with no other noise or nearby activities	37.5%	3
intense enough to feel and or hear if I am undergoing normal activities	12.5%	1
they can be distracting during normal conversation, TV or radio	12.5%	1
I hear and or feel these vibrations or sounds no matter what	37.5%	3
	answered question	8
	skipped question	2

# 13. How would you rank intensity of the sounds or vibrations when they are at their softest or lowest levels?

	Response Percent	Response Count
only noticeable in a very quiet setting with no other noise or nearby activities	37.5%	3
intense enough to feel and or hear if I am undergoing normal activities	50.0%	4
they can be distracting during normal conversation, TV or radio	12.5%	1
I hear and or feel these vibrations or sounds no matter what	0.0%	0
	answered question	8
	skipped question	2

### 14. Try to rate how you feel when you sense these vibrations or sounds

	none	somewhat	a lot	Response Count
angry	12.5% (1)	50.0% (4)	37.5% (3)	8
fearful	12.5% (1)	62.5% (5)	25.0% (2)	8
anxious	12.5% (1)	37.5% (3)	50.0% (4)	8
irritated/annoyed	0.0% (0)	50.0% (4)	50.0% (4)	8
forgiving	100.0% (8)	0.0% (0)	0.0% (0)	8
depressed	25.0% (2)	62.5% (5)	12.5% (1)	8
calm	100.0% (8)	0.0% (0)	0.0% (0)	8
sad	25.0% (2)	62.5% (5)	12.5% (1)	8
happy	100.0% (8)	0.0% (0)	0.0% (0)	8
			answered question	8
			skipped question	2

### 15. Does the location in Montlake where you experience these vibrations and or sounds have a basement?

	Response Percent	Response Count
yes, there is basement	87.5%	7
no, the foundation is on ground level	12.5%	1
	answered question	8
	skipped question	2

# 16. Where in your home do you feel or hear these vibrations or sounds? (choose all that apply)

	Response Percent	Response Count
basement	71.4%	5
ground level floor	100.0%	7
upper floor(s)	71.4%	5
	answered question	7
	skipped question	3

### 17. Using numerical ranking where 1 is least and 5 is most, please rank the intensity you feel or hear sounds and or vibrations in your home or Montlake business

	0 (not at all)	1	2	3	4	5	Response Count
basement	0.0% (0)	33.3% (2)	0.0% (0)	16.7% (1)	16.7% (1)	33.3% (2)	6
ground floor	0.0% (0)	28.6% (2)	0.0% (0)	14.3% (1)	42.9% (3)	14.3% (1)	7
upper floor 1	28.6% (2)	0.0% (0)	14.3% (1)	28.6% (2)	14.3% (1)	14.3% (1)	7
upper floor 2	66.7% (2)	0.0% (0)	33.3% (1)	0.0% (0)	0.0% (0)	0.0% (0)	3
					answere	d question	7
					skippe	d question	3

# 18. Where in your home do you feel or hear these vibrations or sounds? (choose all that apply)

	Response Percent	Response Count
ground level floor	100.0%	1
upper floor(s)	0.0%	0
	answered question	1
	skipped question	9

### 19. Using numerical ranking where 1 is least and 5 is most, please rank the intensity you feel or hear sounds/vibrations in the following locations in your home

	0 (not at all)	1	2	3	4	5	Response Count
ground floor	0.0% (0)	100.0% (1)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	1
upper floor 1	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
upper floor 2	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
					answere	d question	1
					skippe	d question	9

### 20. As regards the issue of mass transport in general, how do you feel?

	Response Percent	Response Count
very friendly towards mass transport, we really need more and better of it	37.5%	3
supportive	50.0%	4
neutral	12.5%	1
there is enough mass transit already	0.0%	0
mass transit should make way for more personal ways of getting around	0.0%	0
	answered question	8
	skipped question	2

### 21. As regards Sound Transit in general, how do you feel?

	Response Percent	Response Count
dislike Sound Transit much or most of the time	12.5%	1
not transparent and not trustworthy	25.0%	2
neutral about Sound Transit	50.0%	4
support Sound Transit's efforts in general	12.5%	1
Sound Transit is doing everything right	0.0%	0
	answered question	8
	skipped question	2

# 22. As regards the Sound Transit U-Link tunnel project design and concept, how do you feel?

	no opinion	agree	neutral	disagree	Response Count
Choice of a tunnel instead of a surface or elevated route	12.5% (1)	37.5% (3)	37.5% (3)	12.5% (1)	8
The location and convenience of stations	0.0% (0)	50.0% (4)	25.0% (2)	25.0% (2)	8
It will be something I look forward to using for my travel/commuting in the city	0.0% (0)	50.0% (4)	25.0% (2)	25.0% (2)	8
Seems like a complete waste of money	0.0% (0)	25.0% (2)	25.0% (2)	50.0% (4)	8
			an	swered question	8
			s	kipped question	2

### Page 10, Q10. If you hear these sounds, try to pick from the following what best describes the things you hear (check all that apply)

1 Intense, long lasting bowling ball with intermittent ka chunks

Dec 11, 2011 2:20 PM

Page 10, Q11. If you feel vibrations, try to pick how they feel from this list (check all that apply)					
1	very faint vibrations	Dec 8, 2011 11:24 AM			
2	subtle, but when I put my hand on the kitchen table I can feel the vibration when a train is passing	Dec 7, 2011 10:07 AM			