

# Did You Know?

- *We must connect and protect*
  - 800 personal computers
  - 1200 user accounts
  - Statewide across 26 sites Newport to Bennington
  - 4 web servers
  - 5 DMV exam points
  - 2 mobile vans

# Who Visits Our Web Sites?

	Countries	Visits	%
1.	United States (US)	71,881	93.59%
2.	Canada (CA)	1,290	1.68%
3.	United Kingdom (UK)	552	0.72%
4.	Germany (DE)	263	0.34%
5.	China (CN)	221	0.29%
6.	Netherlands (NL)	194	0.25%
7.	Australia (AU)	146	0.19%
8.	India (IN)	127	0.17%
9.	Japan (JP)	125	0.16%
10.	Sweden (SE)	113	0.15%
11.	France (FR)	108	0.14%
12.	Poland (PL)	82	0.11%
13.	Italy (IT)	79	0.10%
14.	Norway (NO)	78	0.10%
15.	Israel (IL)	70	0.09%
16.	Malaysia (MY)	65	0.08%
17.	Hong Kong (HK)	63	0.08%
18.	Spain (ES)	62	0.08%
19.	Philippines (PH)	61	0.08%
20.	Korea (South) (KR)	59	0.08%
	<b>Subtotal</b>	<b>75,639</b>	<b>98.48%</b>
	<b>Other</b>	<b>1,164</b>	<b>1.52%</b>
	<b>Total</b>	<b>76,803</b>	<b>100.00%</b>

# We Serve Day or Night

- Our service is 24/7.
- Our web servers provided 220,000 sessions for new and returning visitors last month.
- We provided over 28,000 contract requests, DMV application forms, and construction standards via the web.

# We Do This by Providing

- Careful Server Design with *Fail-Safe* components
- Redundant Self-Correcting Disk Storage
- Developing Multi-Path Network Connectivity – if one path fails, network requests will follow a new path

With good server design the public doesn't even notice a system failure!

# We Must be vigilant

- According to a major security group, SANS, an internet server comes under attack within one minute of being plugged in.
- Our new web server, [www.aot.state.vt.us](http://www.aot.state.vt.us), received its first attack **14 minutes** after it was turned on!

# Time to Rest Easy?

"Eternal vigilance is the price of liberty." -- Wendell Phillips

- Prepare for Threats
  - Next-gen virus
    - Self mutating - adapts to detection
  - Cyber-Terrorism is real
    - Each Day – over 1000 web defacements are reported world-wide
      - Over 20% are for political or *patriotic* reasons (zone-h.org)
- Red Queen (Lewis Carrol)
  - VTRANS staff will run as fast as necessary to stay in the same secure, reliable place.