



Welcome To Virginia and the 2017 BrMUG Meeting

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Northern Virginia District

Northern Virginia (NOVA) Tidbits

1 of 9 Districts (District 9)

4 Counties.

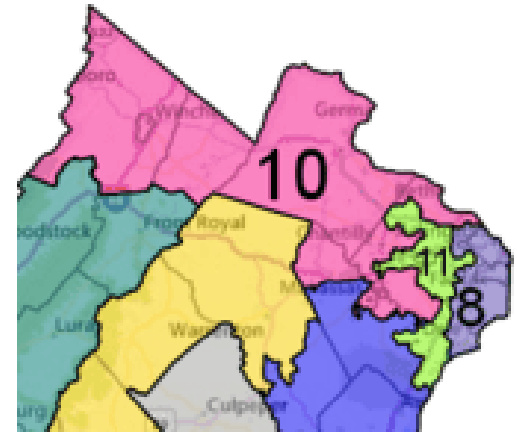
- Loudoun (1),
- Fairfax (2),
- Arlington (5) and
- Prince William (12)*

NOVA population ~ 2.4M (2013)




The 4 counties and cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park = 28.66% of Virginia's population



List of U.S. congressional districts by life expectancy (435 Districts)

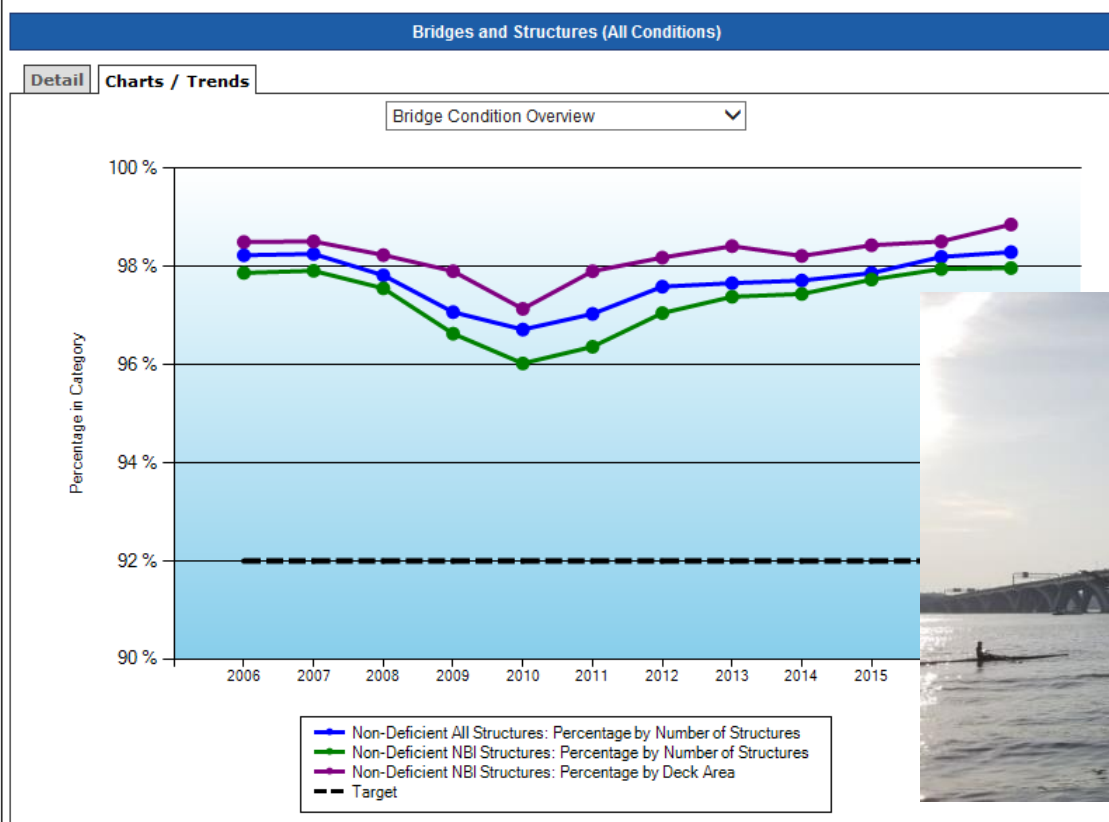


	Congressional district	State	Life expectancy at birth (years)
1	Congressional District 19	California	83.9
2	Congressional District 18	California	83.7
3	Congressional District 11	Virginia	83.6
4	Congressional District 14	California	83.6
5	Congressional District 8	Virginia	83.5
16	Congressional District 10	Virginia	82.5

Bridge Condition	
Target 92% Non-Red (Non-SD)	
	38
	307
	1889
Green and Yellow Percent: 98.3%	

NOVA Bridge stuff

- 2,234 bridges and culverts
- 14,797 ancillary structures



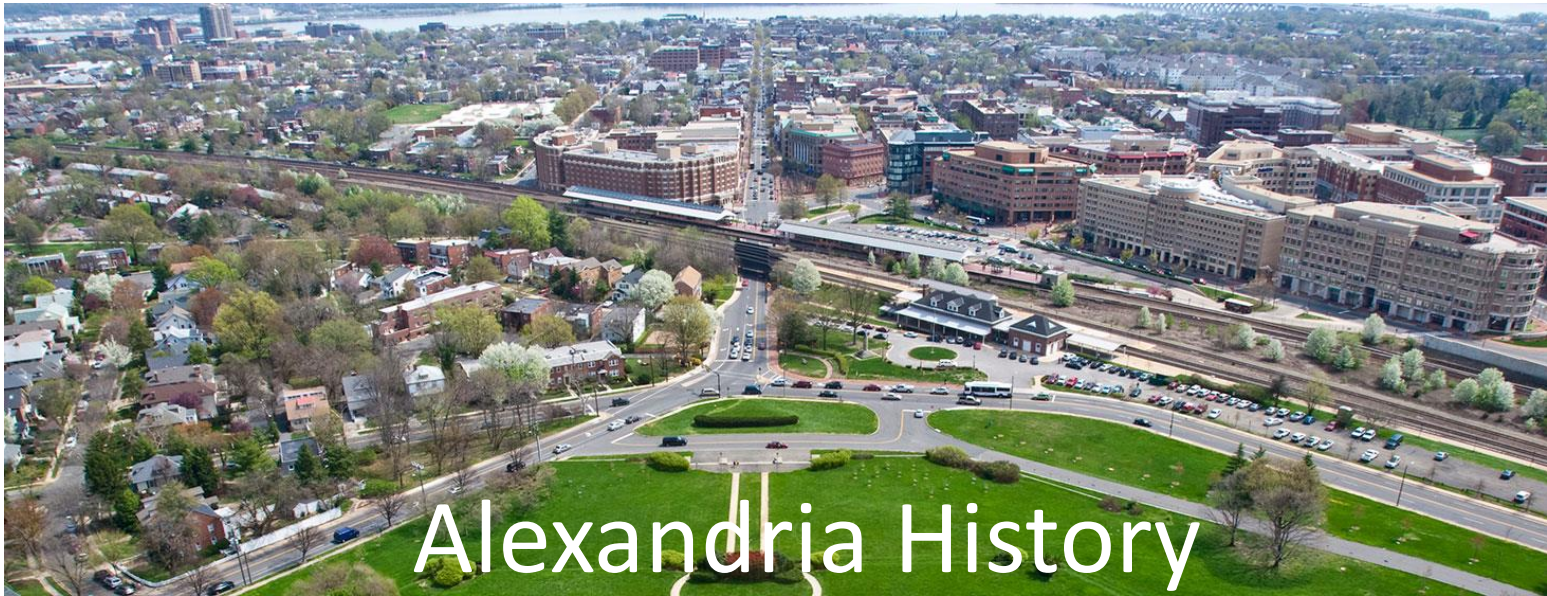
Coast Guard cutter Eagle passed through Woodrow Wilson Bridge



Ancillary Structures:

- Overhead Sign Structures
- Traffic Signal Poles
- High Mast Light Poles
- Luminaires
- Camera Poles
- Cell Towers within VDOT R/W





Alexandria History

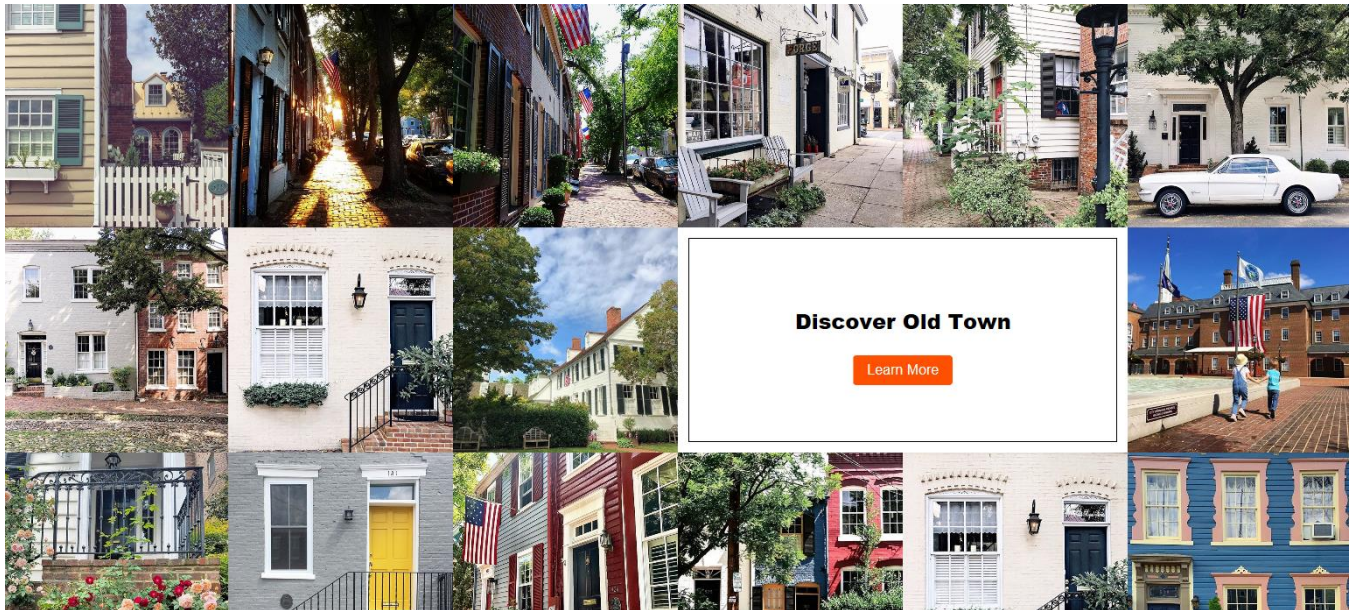
- **Founded in 1749**
- **It was a tobacco trading post**
- **In the early years it was one of the 10 busiest ports in America**
- **On this date in 1918 the draft board registered 2,250 men**





Things to do:

- More than 70 Restaurants
- More than 20 Boutique Shops
- More than a dozen Museums Including Gadsby's Tavern and Hotel
- Free King Street Trolley
- The Torpedo Factory – More than 160 artist exhibits and 82 studios
- Potomac River – tours, dining, etc.



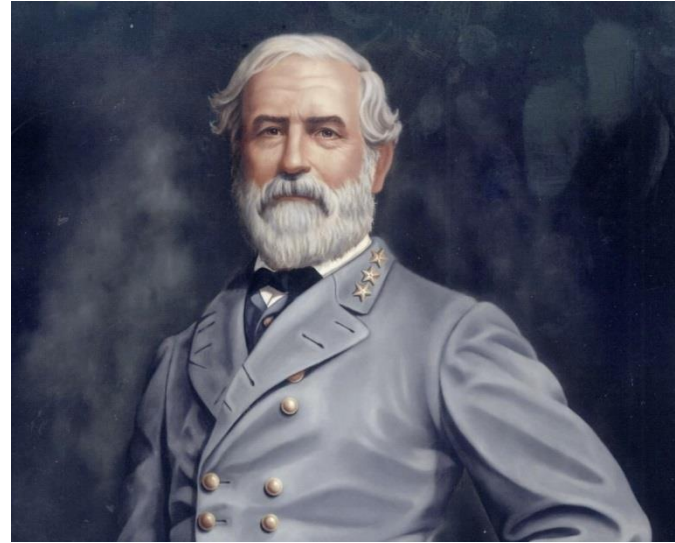
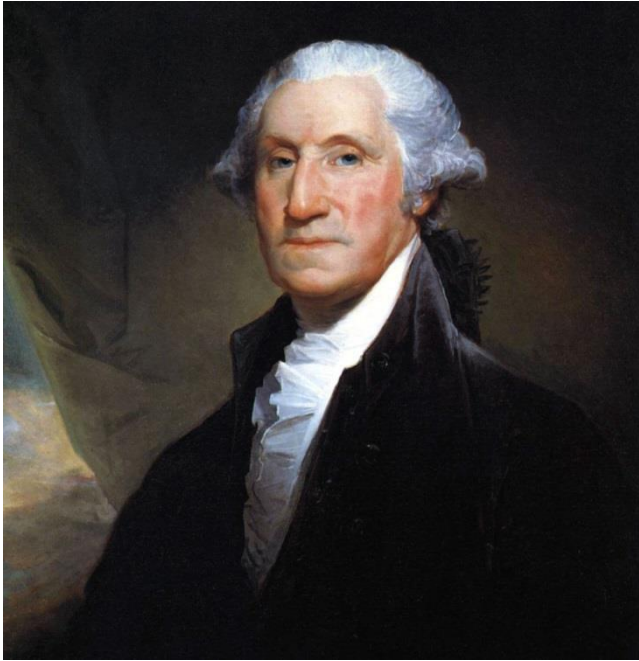
Famous Alexandria Virginia People

And...

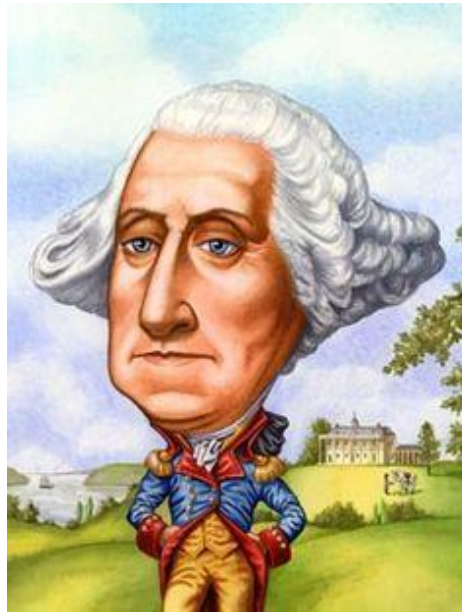
Things they have in common (in addition to Alexandria).

- **George Washington** – Revolutionary War Hero. First President of the United States also a surveyor. He owned a townhouse in Alexandria and was town trustee in 1763.
- **Robert E. Lee** – West Point grad, military engineer, exceptional officer in the U.S. military for 32 years, distinguished in the Mexican-American War, was superintendent of the U.S. Military academy and then sided with Virginia and led Confederate Troops in the Civil War.
- **Jim Morrison** – Finished H.S in Alexandria. Military Brat, his father was a Rear Admiral in the Navy. Lead singer in the Doors.
- **Mama Cass Elliott** – Went to the same H.S. as Jim Morrison. Lead singer in the Mamas and the Papas.

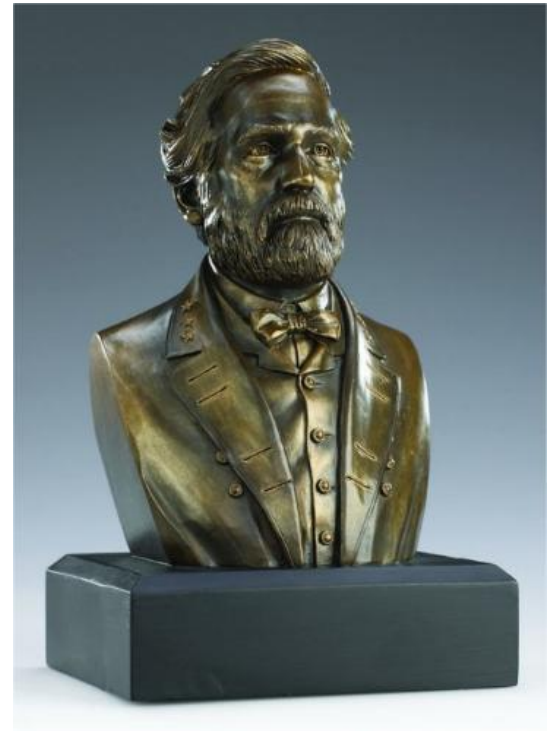
They all had Portraits Painted honoring them.



They all had caricatures.



They all had busts.



Never Google Mama Cass' Bust!!!



Last but not
least...

They are all
Dead!



Lessons from Alexandria...

If you have time, visit Alexandria there is a lot of history here!

As it relates to Bridge Management Systems...

(This is just one opinion from one District Bridge Engineer)

- Search for commonalities in data that make sense, across your state and from state to state. Collecting data is only the start. Evaluating the data... is where its at!
- Make sure the management system provides you with the data/information that you are looking for and functions as a decision tool. (you don't want Mama Cass' bust.)
- When servers change, ratings systems change or the software is modified, don't end-up with dead data. Legacy data should have value or we have been collecting the wrong information for 30+ years.
- The data and program should have life: The system needs to have analytical tools that work for us. (i.e. let us know that scour depth has increased by 1' per year, that new cracks have developed every year, or that crack lengths have increased, etc.).

Thanks for listening!

I hope the next 2 days result in meaningful dialogue about Bridge Management.