Agency Web Template
Technology Overview
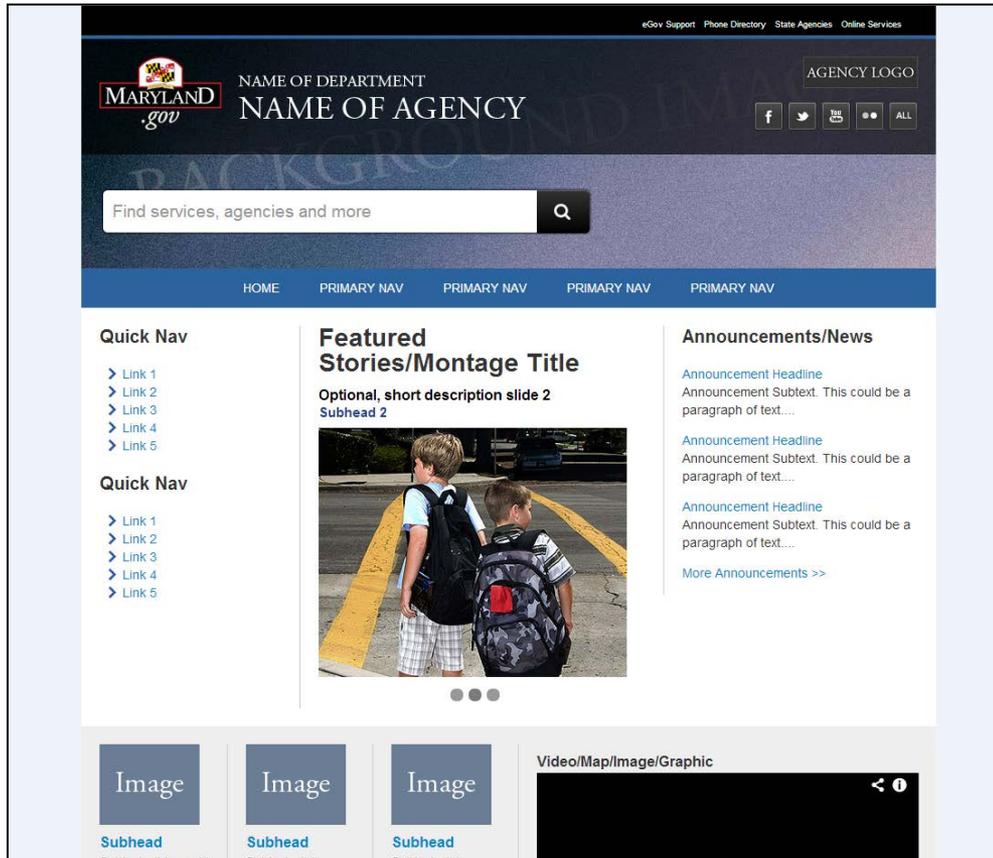
Michael Karr,
Web Developer
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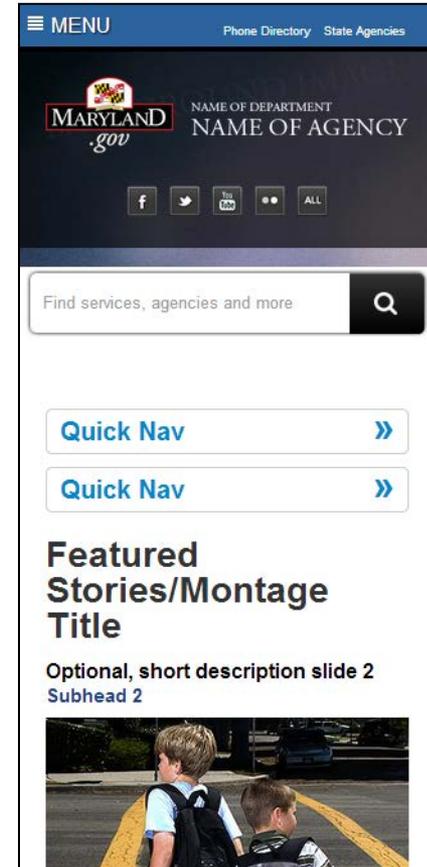**July 22 & 23, 2013**

Responsive Design – Agency Template

Desktop View (Default)

Mobile View

Responsive Design – Media Queries

@media (**max-width: 767px**) {

    #header { … }
    #content { … }
    #footer { … }

}

Responsive Design – Twitter Bootstrap

Responsive, 12 column, fluid grid system

| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| 4 | 4 | 4 |

| 4 | 8 |

| 6 | 6 |

| 12 |

Responsive Design – Twitter Bootstrap

- Template provides core responsive layout grid for you

- You're encouraged to use grid classes when adding your own layouts inside the template

- Responsive Design concepts are essential to providing a good user experience, even through your content.

Mobile First

Key Constant

- Always consider the **MOBILE** context **FIRST**

- Considered how the user on their smart phone will interact with navigation, content, etc...

- We make compromises along the way, but focused on **MOBILE FIRST**.

HTML5

- Agency template is valid HTML5 compatible

- Using HTML5 Doctype

- Supports all new HTML5 tags and APIs

Accessibility

- Structure and code contain no barriers to those with visual disabilities
- 80% of web accessibility issues involve a site's template or global markup.
- The remaining 20% involves page content (images, links, etc…)
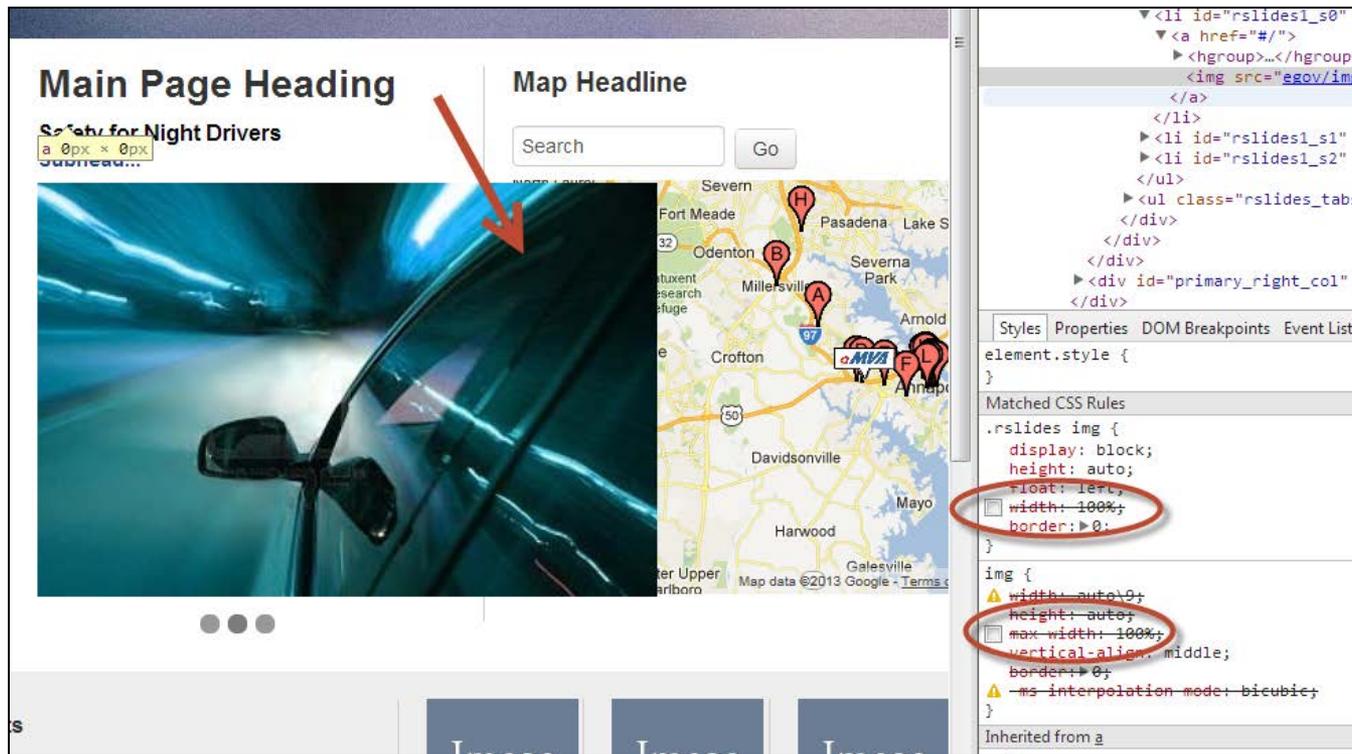- 80% of this work is already done for you

Accessibility – Template Features

- Skip To Main Content Link
- Montage Slider
  - Empty Alt Attribute on Images
  - Use Headings to Convey Image Link Destinations
  - Fully Tab Navigable
- Semantic HTML Markup
  - Only One H1 Heading
  - Proper Heading Levels
- HTML5 Nav Tag

Technical Considerations - Images

- max-width: 100%

- Ensures images do not break layout

Technical Considerations - Tables

- Mobile devices don't like tables much
  - jQuery Mobile Reflow / CSS Only Reflow
    - http://view.jquerymobile.com/1.3.2/dist/demos/widgets/table-reflow/
    - http://css-tricks.com/examples/ResponsiveTables/responsive.php
  - Overflow Scrolling
    - See Example on WebCom

Responsive Design – Additional Learning

- **Twitter Bootstrap Documentation**
  - http://twitter.github.io/bootstrap/scaffolding.html#fluidGridSystem
- **Google Chrome Browser**
  - https://www.google.com/intl/en/chrome/browser/
  - The Google Chrome browser is the best web browser for testing and working with responsive and leading-edge web development.
- **Responsive Design Google Chrome Extensions**
  - https://chrome.google.com/webstore/search/Responsive
- **Influential Blogs and People**
  - **Brad Frost**
    - http://bradfrostweb.com/
  - **Ethan Marcotte**
    - http://ethanmarcotte.com/
    - http://www.abookapart.com/products/responsive-web-design
  - **Smashing Magazine**
    - http://mobile.smashingmagazine.com/tag/responsive-design/
- **Wikipedia Entry**
  - http://en.wikipedia.org/wiki/Responsive_web_design

Thank You!

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