Accessibility Changes Applied to   
the State of Nevada’s ADA Webiste   
completed October 6 thru 31, 2017

# Staging Changes

## Backups

Backed up staging and production websites (ada.nv.gov)

## Accessibility Monitoring

SiteImprove is not currently monitoring this website for compliance. Each page must be manually checked for compliance with Section 508 and WCAG 2.0 using either the SiteImprove Chrome Extension or WAVE.

## Plan

Copied the following files/folder from the Governor’s website

* Add the agency.js script folder & file to staging website
* Replace the nevada.master to staging website
* Add the Accessibility code to the agency.css file
* Style.css verify nav z-index is 1

## Siteimprove Chrome Extension Report (Before)

### Homepage (items requiring human review appear in italics below)

#### A - 13 issues

* + Text Alternatives - Non-text content - 7 instances
  + Image with no alt attribute - 1 instance (Google)
  + Image-button without a description 1 instance (Search magnifying glass)
  + Alternative text for the image is a file name - 2 instances (carousel)
  + Decorative images - 3 instances
  + Adaptable - Info and Relationships - 15 instances
  + Presentational attributes used - 7 instances (Google search field & button, )
  + Non-distinguishable landmarks - 2 instances (Agencies, Jobs & About Nevada links)
  + Content outside of landmarks - 3 instances (Page number (ignore as it doesn’t appear in   
    the production website), translation & the ADA image)
  + Appropriate landmark - 4 instances
  + Enough Time - 1 instance
  + Timing adjustable - 1 instance (rotating slides - can be ignored)
  + Navigable - 8 instances
  + Bypass Blocks - 1 instance (skip repeated content - skip navigation)
  + Page Titled - 1 instance (homepage has no title)
  + Focus Order - order of tabbing - 2 instances
  + Link Purpose (In Context) - 4 instances (Non-distinguishable links in footer navigation)  
    Governor’s Office - same link names go to different places

#### AA - 2 issues

* + Distinguishable - 15 instances
  + Contast (minimum) - 1 instance
  + Images of Text - 14 instances

#### AAA - 2 issues

* + Contrast (Enhanced) - 2 instances
  + Link Purpose (Link Only) non-distinguishable links - 4 instances

## Siteimprove Chrome Extension Report (After)

### Homepage (items requiring human review appear in italics below)

#### A - 9 issues

* + Text Alternatives - Non-text content - 9 instances
  + Alternative text for the image is a file name - 1 instances (carousel)
  + Descriptive ‘aria-label’ attribute - 8 instances
  + Adaptable - Info and Relationships - 12 instances
  + Content outside of landmarks - 1 instance (Page number)
  + Appropriate landmark - 10 instances
  + Appropriate names for landmarks - 1 instance
  + Enough Time - 1 instance
  + Timing adjustable - 1 instance (rotating slides)
  + Navigable - 8 instances
  + Page Titled - 1 instance (homepage has no title)
  + Link Purpose (In Context) - 4 instances (Non-distinguishable links in footer navigation)  
    Governor’s Office - same link names go to different places
  + *Focus visible - 36 instances*

#### AA - 2 issues

* + Distinguishable - 15 instances
  + Contast (minimum) - 1 instance
  + Images of Text - 14 instances

#### AAA - 2 issues

* + Contrast (Enhanced) - 3 instances
  + Link Purpose (Link Only) non-distinguishable links - 4 instances

## Siteimprove Chrome Extension Report (After Human Review & remediation)

### Homepage - (items in red below are unresolved)

#### A - 9 issues

* + **Text Alternatives - Non-text content - 0 instances (IGNORE)**
    - *✓Descriptive ‘aria-label’ attribute - 8 instances (ignore these passed human review) 9/22*
  + **Adaptable - Info and Relationships - 0 instances (IGNORE)**
    - *✓Content outside of landmarks - 1 instance (Page number - ignore as it doesn’t appear in   
      the production website) 9/22*
    - *✓Appropriate landmark - 10 instances (ignore these passed human review) 9/22*
    - *✓Appropriate names for landmarks - 1 instance (ignore these passed human review) 9/22*
  + **Enough Time - 0 instance (IGNORE)**
    - *✓Timing adjustable - 1 instance (rotating slides - can be ignored) 9/22*
  + **Navigable - 8 instances**
    - *✓Page Titled - 1 instance (homepage has no title) 9/22*
    - *✓Link Purpose (In Context) - 4 instances (Non-distinguishable links in footer navigation)  
      ✓Governor’s Office - same link names go to different places 9/22*
    - *✓Focus visible - 36 instances 9/22*
  + **Compatible**
    - *✓Name, Role, Value - 3 instances 9/22*

#### AA - 2 issues

* + **Distinguishable - 15 instances**
    - *✓Make sure images do not contain Text - 14 instances (ignore as images are decorative only)*
    - AAA - 2 issues
    - *Contrast (Enhanced) - Color contrast is not sufficient - 1 instance - this is the gray drop-down arrow  
      used on the Google translation*
    - *✓Link Purpose (Link Only) non-distinguishable links - 4 instances*

## Homepage Additional Remediation Efforts

### (items requiring human review appear in italics below)

* Alternative text for the image is a file name - 1 instances (carousel)
  + *Swapped out the carousel smartform for the ADA compliant carousel smart form and added the alternative text*
* Navigable - 8 instances
  + *Added page title to homepage*
* Documents
  + Siteimprove Accessibility Status (pdf)
  + *✓*ADA Compliant Documents? *Remediated 10/10/2017 de*

## Siteimprove Chrome Extension Report Other Site pages 9/17

### [Compliance](http://ada.staging.nv.gov/Compliance/Compliance/)

**After manual review items removed there is 1 A compliance issue on this page.**

* *✓ A - Info & Relationships/Adaptable - content outside of landmarks (page number ignore not in production)*
* ✓AAA - Info & Relationships Color Contrast Not Sufficient 2 instances - one instance was the gray background used on left content navigation top level and the Google translation drop-down arrow. Both colors changed to # 8E3324 to meet contrast accessibility.

### [Compliance Training](http://ada.staging.nv.gov/Compliance/Training/)

**After manual review items removed there are 3 type A compliance issues on this page.**

* *✓*A - Info & Relationships - Presentational attributes used 1 - instance – added the code below to the agency.js file to solve the issue of the iframe for the ADA Webinar Series being empty.

/\*This removes the presentational attributes from the YouTube video in right content\*/

$("iframe").each(function (i, v) {  
$(this).removeAttr("style allowfullscreen frameborder z-index position");

});

* *✓ A - Info & Relationships/Adaptable - content outside of landmarks (page number ignore not in production)*
* ✓ A - Compatible - Name, Role, Value - iframe is missing a description - 1 instance (embedded video). - ADA Webinar Series iframe needs a title. - Added title=”{./title}” to the xslt to correct the issue.
* *✓*AAA - Info & Relationships Color Contrast Not Sufficient 2 instances - one instance was the gray background used on left content navigation top level and the Google translation drop-down arrow. Both colors changed to # 8E3324 to meet contrast accessibility.

### [Collaboration](http://ada.staging.nv.gov/Collaborators/Collaboration/)

**After manual review items removed there is 1 A compliance issue on this page.**

* *✓ A - Info & Relationships/Adaptable - content outside of landmarks (page number ignore not in production)*
* *✓*AAA - Info & Relationships Color Contrast Not Sufficient 2 instances - one instance was the gray background used on left content navigation top level and the Google translation drop-down arrow. Both colors changed to # 8E3324 to meet contrast accessibility.

### [Collaborators](http://ada.staging.nv.gov/Collaborators/Collaborators/)

**After manual review items removed there is 1 A compliance issue on this page.**

* *✓ A - Info & Relationships/Adaptable - content outside of landmarks (page number ignore not in production)*
* *✓*AAA - Info & Relationships Color Contrast Not Sufficient 2 instances - one instance was the gray background used on left content navigation top level and the Google translation drop-down arrow. Both colors changed to # 8E3324 to meet contrast accessibility.

### [Meetings](http://ada.staging.nv.gov/Collaborators/Meetings/)

**After manual review items removed there is 1 A compliance issue on this page.**

* *✓ A - Info & Relationships/Adaptable - content outside of landmarks (page number ignore not in production)*
* *✓*AAA - Info & Relationships Color Contrast Not Sufficient 2 instances - one instance was the gray background used on left content navigation top level and the Google translation drop-down arrow. Both colors changed to # 8E3324 to meet contrast accessibility.

### [Remediation Efforts](http://ada.staging.nv.gov/Remediation/Efforts/)

**After manual review items removed there are 5 A compliance issues on this page.**

* *✓ A - Info & Relationships/Adaptable - content outside of landmarks (page number ignore not in production)*
* *✓ A - Navigable - Non-distinguishable links 4 instances - all links go to the same place so they are in compliance*
* *✓ AAA - Navigable - Non-distinguishable links 4 instances - all links go to the same place so they are in compliance*

### [ADA Compliance Webinars](http://ada.staging.nv.gov/Compliance/ADA_Webinars/)

**After manual review items removed there are 23 A compliance issues identified by Siteimprove on this page.   
(Note: this number does not include documents, audio or videos)**

* *✓ A - Info & Relationships/Text Alternatives – 20 instances - carousel images from agencyITservices. Removed carousel.*
* *✓ A - Info & Relationships/Adaptable – 1 instance - content outside of landmarks (page number ignore not in production)*
* ✓ A - Compatible – 2 instances – The iFrame is missing a description. Added code below to agency.js file

/\* adds title element for YouTube video in right content \*/

$("iframe").attr("title", "YouTube video");

* A - Compatible – 7 instances – The iFrame is missing a description. Added code below to agency.js file

### [What Users Can Do](http://ada.staging.nv.gov/Compliance/WhatUsersCanDo/)

**After manual review items removed there are 6 A and 4 AAA compliance issues identified by Siteimprove on this page. (Note: this number does not include documents, audio or videos)**

* *✓ A - Info & Relationships/Adaptable – 2 instances - content outside of landmarks*
  + *page number ignore not in production*
  + *The right column when we include a completely separate content block in this location – used the JavaScript below in the agency.js file to correct the problem*

/\* adds the aria role & aria-label to the column\_right (State: Page=Program pages) \*/

$("#column\_right").each(function (i, v) {  
$(this).attr("role", "main").attr("aria-label", "Supporting Content");  
});

* *✓ A & AAA - Navigable – 4 instances – non-distinguishable links (link text and link destination are identical so this passes manual review).*
* This page links to non-compliant pages on the following sites:
  + [*Web Accessibility Perspectives: Explore the Impact and Benefits for Everyone*](https://www.w3.org/WAI/perspectives/) *– W3C Web Accessibility Initiative (external link)*
  + [*Assistive Technology Approaches for Improved PC Access*](https://support.office.com/en-us/article/Assistive-Technology-Approaches-for-Improved-PC-Access-f5f725be-0a1b-4c78-a561-88682d3ce4a6) *- Microsoft (external link)*
  + [*Interacting with Assistive Technology Users*](http://www.interactiveaccessibility.com/blog/interacting-assistive-technology-users#.WdQCkGhSw2w) *– Interactive Accessibility (external link)*
  + [*IAP Episode 1 Volume 2: Jeremy Curry, Window-Eyes*](http://www.interactiveaccessibility.com/blog/iap-episode-1-volume-2-jeremy-curry-windows-eyes#.WdQCymhSw2w) *– Interactive Accessibility (external link)*
  + [*5 Tips to Improve the Web for Hearing Disabilities*](http://www.interactiveaccessibility.com/blog/5-tips-improve-web-hearing-disabilities#.WdQD3mhSw2w) *– Interactive Accessibility (external link)*
  + [*7 Tips to Improve the Web for Vision Disabilities*](http://www.interactiveaccessibility.com/blog/7-tips-improve-web-vision-disabilities) *– Interactive Accessibility (external link)*
  + [*Assistive Technology Posts - Interactive Accessibility*](http://www.interactiveaccessibility.com/blog/assistive-technology) *– Interactive Accessibility (external link)*
    - [*Is Testing with a Screen Reader Enough*](http://www.interactiveaccessibility.com/blog/testing-screen-reader-enough#.WdQUdmhSw2w)*? – Interactive Accessibility (external link)*
    - [*How to Use Assistive technology to comply with Section 508*](http://www.interactiveaccessibility.com/blog/how-use-assistive-technology-comply-section-508#.WdQUyGhSw2w) *– Interactive Accessibility (external link)*
    - [*Accessibility Checkers*](http://www.interactiveaccessibility.com/blog/accessibility-checkers) *– Interactive Accessibility (external link)*
    - [*Top 5 Tests for Web Accessibility*](http://www.interactiveaccessibility.com/blog/top-5-tests-web-accessibility#.WdQU82hSw2x) *– Interactive Accessibility (external link)*
  + *~~DAISY and Microsoft Word (external link) broken links~~*
  + [*Using the Speak text-to-speech feature*](https://support.office.com/en-us/article/Using-the-Speak-text-to-speech-feature-459e7704-a76d-4fe2-ab48-189d6b83333c?ui=en-US&rs=en-US&ad=US) *– Microsoft (external link)*
  + [*Teach Access Tutorial*](http://teachaccess.org/) *– Teach Access (external link)*
  + [*Carson City Library*](http://www.carsoncitylibrary.org/use/research-resources/all/subject/technology-dewey-600) *(external link)*
  + [*Washoe County Libraries*](https://www.washoecounty.us/outreach/2015/07/2015-07-29-lib-lynda.php) *(external link)*
    - [*Free at UNR if you are a student*](http://www.unr.edu/it/training/lynda) *(external link) – Note: only has 1 A error and 53 AAA contrast errors*
  + [*Douglas County Libraries*](https://www.lynda.com/portal/sip?org=dclibraries.org) *(external link)*
  + [*Lyon County Libraries*](https://www.lynda.com/portal/sip?org=clan.lib.nv.us) *(external link)*
    - *If you live in the rural counties, or Clark County, you may be able access Lynda.com (with a local library card) (external link)*
  + *Web Accessibility Principles (*[*Lynda.com*](Lynda.com)*)*
  + *Foundations of UX: Accessibility (*[*Lynda.com*](Lynda.com)*)*
  + *Improving SEO Using Accessibility Techniques (*[*Lynda.com*](Lynda.com)*)*