

# How to Ensure Your Website is ADA Compliant Without Sacrificing Quality Design

## Don Torrez

Certified ADA Coordinator



- Helped more than 100 cities and local governments make their websites more accessible
- Written training curriculum on web accessibility
- Speaks across the U.S. on Web accessibility
- More than a dozen accessibility webinars in the U.S. and Australia
- Certified ADA Coordinator through the ACTCP



## DISCLAIMER

There are many variations of passages of Lorem Ipsum, valiable, but the majority have saffered alteration is non efform, brijneted humour, or randomised works which don't look even slightly believable. If you are going to use a passage of Lorem Ipsum, valued to be sure there is nary variations of passages of Lorem Ipsum, valued to be sure there is nary value to the passage of Lorem Ipsum value to be sure there is nary value to table. There are many value to table to

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# This is not legal advice.

# Background

- Took off my CivicPlus hat and looked at website accessibility from your and our seats
- I build websites—asked myself how would I make an accessible website
- This presentation was reviewed as someone who is certified in website accessibility





Nothing

# What We Know

- Somewhere near 1-4 people in the U.S. suffer from a disability
- Nearly 22% of adults in Minnesota have some type of disability



# Why is Digital Accessibility Important?

It's about removing barriers and ensuring equal access for everyone



# Tools Used on Websites

## **Screen Readers**

A software application that outputs the text displayed on screen to a user who is blind or visually impaired

## **Voice Recognition**

Spoken words converting into digital text

## **Switch Devices**

A type of assistive technology that replaces the need to use a keyboard or mouse and is used by people with motor impairments to access and control computers, smartphones, electric wheelchairs, and communication devices

## **Reading Assistants**

A type of assistive technology that can help people with visual disabilities, including those with cognitive, learning and neurological disabilities, such as dyslexia; many available that allow people to change the presentation of Web content into forms that are more usable for their particular needs by:

- Customizing fonts, colors, and spacing
- Enlarging or reducing text size and images
- Listening text-to-speech synthesizers like a screen reader
- Reading text using refreshable Braille
- Simplified reading modes that hide less relevant parts of the content, such as sidebars and header areas
- Different ways of navigating websites, such as hierarchical menu and search.

# Current Events

## U.S. Access Board

Ruled that federally funded organizations must comply to WCAG 2.0

## Accessibility Regulations

Current administration placed ADA website accessibility regulations on the inactive list

## Lawsuit Activity

Absent regulatory assistance, lawsuit activity has increased

# Why It Matters

- 1. We want our websites to work for everyone
- 2. Entities may be fined up to \$75,000
  for an initial ADA violation and
  \$150,000 for subsequent violations
- 3. Absent DOJ protection, complaints and lawsuits have become normal



# Flagler County, FL

## The landscape we live in:

- Flagler County "is **blatantly** discriminating by its failure to provide accessible electronic documents for blind and visually impaired citizens" and that its failure to provide access "goes beyond gross **negligence**."
- "...has suffered injuries and shame, humiliation, isolation, segregation, experienced emotional suffering, pain and anguish."
- Settlement payment of **\$15,700**.
- Mr. Price received \$1,200
- Mr. Price's attorneys received **\$14,500.**

**Background Speaker Notes** 

https://www.news-journalonline.com/news/20190207/flagler-settles-suit-over-website-accessibility

### 

# ADA and Local Governments

Title II of the ADA specifically applies to state and local governments:

> Subtitle A protects qualified individuals with disabilities from discrimination based on disability in services, programs, and activities provided by state and local government entities

Title III extends protections to public accommodations



# What To Do Now

- 1. Create an Accessibility Statement and put it on your website tomorrow
- 2. Follow WGAG 2.0 (A and AA) Website Content Accessibility Guidelines—there are no laws
- 3. Schedule monthly trainings with people who manage content on your website and document it
- 4. Create a checklist for content creators to use every time content is added to your website
- Use PDF's as little as possibly (BIGGEST VIOLATER)



# Guidelines

- WGAG 2.0 Website Content Accessibility Guidelines (the basics)
  - Text size
  - Color contrast
  - Video
  - The ability to control automatic video, sound, and animations that move, blink, or scroll
  - Flashing content
  - Descriptive page titles
  - Content being presented in an ordered and organized manner
  - Link descriptions
  - Clear headings and labels
  - Photo labels, file names, and captions
  - PDFs



# Atlantis, FL

Ramps outside City Hall Not what WCAG intended



## Site under maintenance

## Accessible University

#### (?) About Academics Admissions Visitors



AU student wins engineering award for talking robot sign language interpreter. Read more about the student's engineering award.

Apply Now!

Name: (required)

Email: (required)

State/Province:

Zip/Postal Code:

Desired major(s):

Computer Science

Security Question

these is not a day?

Sunday, Bird, Friday. Which of

Engineering

Economics

Psychology

Physics

Spanish

Submit

Country:

Citv

#### 1 2 3

#### Welcome!

Accessible University (AU) is a fictional university, and this is its fictional home page. This page is designed to demonstrate a variety of common web design problems that result in visitors with disabilities being unable to access the content or features of a web page. Although the heading at the top of this section of the page suggests that AU may be a welcoming institution, the inaccessible design of this page sends the opposite message.

#### Bienvenido!

Accesible Universidad (UA) es una universidad ficticia, y esta es su página de ficción. Esta página está diseñada para demostrar una variedad de común de diseño web que se traducen en problemas de los visitantes con discapacidad no poder acceder al contenido o las características de una página web. Aunque el título en la parte superior de esta sección de la página sugiere que AU puede ser una institución de bienvenida, el diseño inaccesible de esta página envía el mensaie opuesto.

#### Can you spot the barriers?

This page is an improved version, with 18 accessibility issues corrected. Details about all known issues are on the List of Issues page. To see the original issues, consult the Inaccessible version. See also our Cheat Sheet of Accessibility Issues.

#### AU Enrollment Trends

	2007-08								200	8-09		
	CS	Eng	Eco	Phy	Psy	Spa	CS	Eng	Eco	Phy	Psy	Spa
Total	84	126	43	32	112	59	82	140	45	34	101	64
% Male	89	84	73	69	20	47	87	80	69	69	22	48
% Female	11	16	27	31	80	53	13	20	31	31	78	52

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This product was originally developed with support from the National Institute on Disability and Rehabilitation Research of the U.S. Department of Education (grant #H133D010306), and has been subsequently updated and maintained with support from the National Science Foundation (grant #CNS-054061S). The contents do not necessarily represent the policies of the U.S. federal government, and you should not assume their endorsement.

## Accessible University

About Academics Admissions Visitors



AU student wins engineering award for talking robot sign language interpreter.

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			200	7-08				200	8-09			
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Total	84	126	43	32	112	59	82	140	45	34	101	64
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Apply Now! (required fields are in blue) Name: Email: City: State/Province: Zip/Postal Code: Country: Desired major(s): Computer Science Engineering Economics Physics Psychology Spanish

> Security Test Please enter the two words you see below, separated by a space

## Accessible University

#### (?) About Academics Admissions Visitors



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Apply Now!
Name: (required)
Email: (required)
City:
State/Province:
Zip/Postal Code:
Country:
Desired major(s): Computer Science Engineering Economics Physics Psychology Spanish
Security Question
Sunday, Bird, Friday. Which of these is not a day?
Submit

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About Academics Admissions Visitors



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# Text Size and Fonts

- 1. Use real text rather than text within graphics
- 2. Select basic, simple, easily-readable fonts
- 3. Use a limited number of fonts
- 4. Ensure sufficient contrast between the text and the background see image below
- 5. Recommend 16pt minimum to be safe (it's the contrast ratio of the font, not size)
- 6. Limit the use of font variations such as bold, italics, and ALL CAPITAL LETTERS.
- 7. Don't rely only on the appearance of the font (color, shape, font variation, placement, etc.) to convey meaning
- 8. Avoid blinking or moving text

Yellow on black is good contrast.	
Black on white is good contrast.	
Maroon on black is bad contrast.	
Green on red is bad contrast.	

# Fonts – recommended by U.S. Department of Health

https://www.boia.org/blog/best-fonts-to-use-for-website-accessibility

Arial Times New Roman Verdana Tahoma Helvetica Calibri

# Get more done with Gmail

Now more secure, smarter and easier to use—helping you save time and do more with your inbox.

Google uses Google Sans

# Color Contrast... what is that you ask?

The NFL launched color rush uniforms in 2015







## 4.5% of the population is color-blind



## Bills vs. Jets

The broadcast to a fan that is not color-blind



## Bills vs. Jets

### The broadcast to a fan that is color-blind



# How Does Color Contrast Apply to Local Government?

- WCAG 2.0 level AA requires a contrast ratio of 4.5:1 for normal text and 3:1 for large text
  - Normal text: 14 point and bold or larger
  - Large text: 18 point or larger



### https://webaim.org/resources/contrastchecker/

Color Combinations	Color Codes	Contrast Ratio	Small Text	Large Text
Black on Yellow Yellow on Black	Black: #000000, Yellow: #ffff00	19.56:1	Pass AA	Pass AA
Blue on Orange Orange on Blue	Blue: #0000ff, Orange: #ffa500	4.35:1	😢 Fail AA	Pass AA
White on Purple Purple on White	White: #ffffff, Purple: #800080	9.42:1	Pass AA	🕑 Pass AA
Green on Red Red on Green	Green: #008000, Red: #ff0000	1.28:1	😢 Fail AA	😢 Fail AA

## WCAG 2.0 - Contrast checker

## Color Contrast

WCAG 2.0 - Contrast Checker Chrome extension



# Accessibility Insights for the Web

Google Chrome Extension

Allows you to view a website in grayscale and identify color contrast issues on your website.

Automated checks Off List view and filtering		Off ₩2
Color On How to test color	Tab stops  How to test tab stops	Off
Headings Off How to test headings		





WELCOME TO BEXAR

# BEXAR COUNTY EVENTS BEICHAR COUNTY EVENTS FIELDS. APRIL 5 FIELDS. APRIL 5 FIELDS. APRIL 7 COMMISSIONERS COURT FIELDS. APRIL 7 COMMISSIONERS COURT FIELDS. APRIL 2 COMMISSIONERS COURT FIELDS. APRIL 2 FIELDS. FIELDS.



If you are assisted technology (such as a Barlle rader, a screen rede, or TT) are the formed of any material on this Web attendress with your ability as access information, pages contract. Is a maintain to an expanded material, and your contract information, bases indicate the neuror of our accessibility assistance can also contact us by phone through the fineral formation field sprices at 140 are 330 for TTV/dec commutations.

# Photo Labels, File Names, and Captions

## **Be Specific on Image Alt Tags**

- Bad alt text: A painting
- Good alt text: Mona Lisa
- Better alt text: The "Mona Lisa" painting by Leonardo da Vinci

## Guidelines

- Every image should have an alt attribute, even if it's null (alt="")
- Do not use phrases like "image of...", "picture of...", "graphic of...", etc. The screen reader will tell the user that it's an image
- Be clear and brief
- Don't use CSS to display images unless they are purely decorative; Alt attributes cannot be added to CSS images
- Alt texts should generally be no longer than a tweet in length



# Audio and Video

- Closed captioning with legible, high contrast, text
- Add audio descriptions
- Use an accessible video player
- Don't auto-play video

### **Captions for Video**

- **Built-in** Some players like YouTube use technology to create captions for videos
- **Outsource** There are companies that will caption videos for a fe

## Challenges

- Live Streaming closed captioning
- Audio descriptions for WCAG AA <u>https://vimeo.com/259737267</u>
- Municipalities are pulling all their videos off their website



# PDFs

- The ideal solution, but not always feasible, is to not use PDFs and to put the content into a webpage following WCAG 2.0 guidelines
- If continue using PDFs ensure they are accessible going forward
  - Microsoft Word had accessibility tools built in
  - Adobe Acrobat Pro DC
- To address old PDFs that are not WCAG 2.0 compliant, place a statement acknowledging you are aware of the issue, and that you are making efforts with the resources available to address it.
- Add that PDFs after xx/xx/xxxx (date) will follow accessibility guidelines; if you need access to one or several of these documents, contact xxx-xxx

\*Making a PDF accessible in Word will not carry to a PDF if you export it



# Microsoft Word

Accessibility Tools



noday, more than ever before, local governments are meeting the expectations of digitallyminded citizens by providing a higher number of <u>digital self-service solutions</u>. The days of walking into city hall to obtain a building permit or dog license are being replaced with mobileresponsive online form submissions and citizen request management tools that can <u>turn a Tweet</u> <u>into a service request</u>. The Americans with Disabilities Act (ADA) is also evolving as technology, and citizen engagement interactions evolve.

In 2017, a <u>refresh to Section 508 of the ADA</u> expanded on the public sector compliance guidelines for digital citizen communications. While municipalities were not mandated to comply with Section 508 to the same degree as federal government agencies, some states and local governments established their own requirements in tandem.

#### Examples of High-Risk Non-Compliance

While Section 508 of the ADA points public entities to the <u>Web Content Accessibility</u> <u>Guideline's</u> (WCAG 2.0) detailed sections A and AA as established by the <u>World Wide Web</u> <u>Consortium</u> (W3C) criteria to determine accessibility compliance, municipalities wondering at a glance where they stand should ask themselves the following questions:

Page 1 of 7 1891 words 🛱 English (United States)

# Adobe Acrobat Pro DC

Accessibility Tools



## PAVE

Validate and Fix PDF Accessibility

http://pave-pdf.org/index.en.html

✓ CONTACT ? HELP/FAQ ⊕ LANGUAGE	Page 1 💊 🖬	
Basic Checklist for Website Accessibility.pdf -		
TASKS PROPERTIES ISSUE READING ORDER	Basic Checklist for Website Accessibility This is NOT the Web Content Accessibility Guidelines (WCAG). It is a basic and condensed checklist of recommendations for implementing accessibility principals and techniques into your	
Automatic Correction	organization. Completing this checklist will make your content more accessible but will NOT guarantee it's compliance. Use the below link for the official WCAG specifications. Official WCAG 2.1 Specifications	
PAVE was already able to automatically correct 12 issues.	GENERAL The web page has a descriptive and informative page title Used headings (H1, H2, etc.) where appropriate No moving, binking, scrolling, Inshing content	
The document's properties contain information such as the document's title and language. Some of these are mandatory. You may need to verify that the document properties are accurate. PAVE is not able to check accuracy automatically.	TEXT         The web page has a descriptive and informative page title         Color alone is not used to distinguish links         Text has a contrast ratio of at lesst 4-5:1 - contrast ratio checker         Text used within an image is decorative and not descriptive         IMAGES         All images have descriptive att tags         Used headings (H1, H2, etc.) where appropriate         No moving, blinking, scrolling, flashing content	
All Content is Tagged	MULTIMEDIA (video/audio)	
To allow screenreaders to correctly read the document, not only do all elements (texts, images, etc.) have to be tagged correctly. They also have to be ordered in the correct reading order. PAVE can not check the correct reading order automatically. Please inspect the reading order now: REVIEW READING ORDER	Prerecorded videos include synchronized captions Prerecorded videos audio decisites audio description Live video/audio includes synchronized captions	
Download Document	<b>C</b> 2	
You can download the document. From the perspective of PAVE, all problems are solved. However, there might still exist some problems that can not be automatically detected by PAVE.		_
💆 DOWNLOAD		

## Checking Your Website

Single Page Scans – Identifies errors on a single page

- WAVE from WebAIM Website and Chrome Browser
- Siteimrove Google Chrome extension
- Accessibility Insights Google Chrome extension
- Lighthouse Google Chrome extension

Full-Service Scans – Identifies errors on an entire website

- Bureau of Internet Accessibility
- Siteimrove
- Criterion 508

Scans and Full Remediation – Identifies errors and corrects them (more like a mask)

- AudioEye
- Bureau of Internet Accessibility
- Tenon



## Flagler County, FL







Accessibility insights for Web               ✓ FistPase            Instanted checks              • Automated checks            Automated checks              • Stab stops            Tab stops              • On             • Export result            • 70 failures were detected. When the Automated Checks toggle is on, failure instances selected in this page are highlighted in the target p            • Path         Support           • Death         Support           • D			
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S link-name: Links must have discernible text (© 6) WCAG 24.4, WCAG 41.2      S list: <ul> <li>&gt; list: <ul> <li></li> <li>&gt; list: <ul> <li></li> <li>&gt; </li> </ul> </li> </ul></li></ul>		<ul> <li>color-contrast: Elements must have sufficient color contrast (§ 57,</li> </ul>	) WCAG 1.4.3
✓ > list: <u>&gt; and <o>&gt; must only directly contain <li>, <script> or <template> elements (Ø 2) WCAG 1.3.1</th><th></th><th><math>\checkmark</math> duplicate-id-active: IDs of active elements must be unique (§ 1) W</th><th>/CAG 4.1.1</th></tr><tr><th></th><th></th><th>Iink-name: Links must have discernible text (2) 6) WCAG 2.4.4, WCAG 2.4.4,</th><th>AG 4.1.2</th></tr><tr><th></th><th></th><th><math display="inline">\checkmark</math> <math display="inline">\implies</math> list: <ul> and <ol> must only directly contain <li>, <script> or <tr</th><th>emplate> elements (S 2) WCAG 1.3.1</th></tr><tr><th>Isistitem: <li>listitem: <li>leements must be contained in a <u> or <o> (0 3) WCAG 1.3.1</th><th></th><th>Iistitem: <li>listitem: <li</th><th>WCAG 1.3.1</th></tr><tr><th>meta-viewport: Zooming and scaling must not be disabled (§ 1) WCAG 1.4.4</th><th></th><th>💌 > meta-viewport: Zooming and scaling must not be disabled (🔕 1) V</th><th>VCAG 1.4.4</th></tr><tr><th></th><th></th><th></th><th></th></tr><tr><th></th><th></th><th></th><th></th></tr></tbody></table></script></li></o></u>			

**A** ~



Flagler County	
	ERRORS / SCORE (-100)*
WAVE	10
Siteimprove	15
Accessibility Insights	70
Lighthouse*	77 (23)
TOTAL	118

1 Background and foreground colors do not have a sufficient contrast ratio.
## West Valley City, UT







#### 



West Valley City	
	ERRORS / SCORE (-100)*
WAVE	0
Siteimprove	12
Accessibility Insights	13
Lighthouse*	89 (11)
TOTAL	36

# Bexar County, TX







# Image: Decay: Difficial Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website | Official Website Image: Decay: County, TX - Official Website | Official Website Image: Decay: TX - Official Website | Official Website Image: Decay: County, TX - Official Website | Official Website Image: Decay: TX - Official Website | Official Website Image: Decay: County, TX - Official Website | Official Website Image: Decay: TX - Official Website | Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website | Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website | Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website Image: Decay: County, TX - Official Website Image: Decay: TX - Official Website



Bexar County	
	ERRORS / SCORE (-100)*
WAVE	5
Siteimprove	8
Accessibility Insights	16
Lighthouse*	87 (13)
TOTAL	42

## Cleveland, OH







#### Second Se

Target page: Home | City of Cleveland Automated checks Automated checks 2 Tab stops Show failures On → Export result 8 19 failures were detected. When the Automated Checks toggle is on, failure instances selected in this page an ✓ > Path Snippet image-alt: Images must have alternate text (8) 5) WCAG 1.1.1 ✓ label: Form elements must have labels (⊗ 2) WCAG 1.3.1, WCAG 3.3.2 ✓ Iink-name: Links must have discernible text (8) 12) WCAG 2.4.4, WCAG 4.1.2

http://city.cleveland.oh.us/ Mar 31, 2019, 9:26 PM CDT Emulated Nexus 5X, Simulated Slow 4G network



Accessibility





#### Names and labels

	se are opportunities to improve the semantics of the controls in your application. This may enhance the experier ssistive technology, like a screen reader.	ce for users
1	Image elements do not have [alt] attributes	<b>A</b> ~
2	Form elements do not have associated labels	<b>A</b> ~
3	Links do not have a discernible name	<b>A</b> ~

Cleveland	
	ERRORS / SCORE (-100)*
WAVE	16
Siteimprove	13
Accessibility Insights	19
Lighthouse*	73 (27)
TOTAL	75

Boston	
	ERRORS / SCORE (-100)*
WAVE	12
Siteimprove	13
Accessibility Insights	32
Lighthouse*	61 (39)
TOTAL	96

Flagler County	
	ERRORS / SCORE (-100)*
WAVE	10
Siteimprove	15
Accessibility Insights	70
Lighthouse*	77 (23)
TOTAL	118

West Valley City	
	ERRORS / SCORE (-100)*
WAVE	0
Siteimprove	12
Accessibility Insights	13
Lighthouse*	89 (11)
TOTAL	36

## Scores

Bexar County	
	ERRORS / SCORE (-100)*
WAVE	5
Siteimprove	8
Accessibility Insights	16
Lighthouse*	87 (13)
TOTAL	42

Cleveland	
	ERRORS / SCORE (-100)*
WAVE	16
Siteimprove	13
Accessibility Insights	19
Lighthouse*	73 (27)
TOTAL	75

Compliant Websites That Don't Sacrifice Design

## Takeaways

- **Do Something** Doing nothing implies that you don't care or aren't trying—get the easy stuff done first (alt tags, headings, fonts, etc.)
- Accessibility Statement Add one to your website as soon as possible
- **Training** Conduct monthly or quarterly WCAG 2.0 trainings with your content editors and document it
- **100% Compliance** It's almost impossible
- **Checklist** Implement a checklist for content editors to go through each time they add website content
- **PDFs** Use them sparingly or make them compliant with available tools; the largest reason websites become non-compliant



## Resources

## Accessibility Statement Template

- Microsoft Word <u>http://bit.ly/2Uct904</u>
- PDF <u>http://bit.ly/20B1Sy1</u>

### Accessibility Checklists

- How to Meet WCAG 2.0 (Quick Reference) <u>https://www.w3.org/WAI/WCAG21/quickref/</u>
- Basic and Condensed Checklist <u>http://bit.ly/2uLRI4L</u>

#### Single Page Scan Tools

- \*WAVE Evaluation Tool <u>http://bit.ly/2FLd88m</u>
- \*WAVE Chrome Extension <u>http://bit.ly/2FYn5iH</u>
- \*Siteimprove Chrome Extension <u>http://bit.ly/2YJSo8q</u>
- \*Accessibility Insights Chrome Ext. <u>http://bit.ly/2OK7Cpv</u>

## Resources (Continued)

- AudioEye Accessibility Scan <a href="http://bit.ly/2UadqOP">http://bit.ly/2UadqOP</a>
- \*Contrast Checker from WebAIM <u>http://bit.ly/2U42rGN</u>
- \*Contract Checker Chrome Extension from WebAIM <u>http://bit.ly/2uMLgKM</u>
- \*WCAG 2.0 Contrast Checker Extension <u>http://bit.ly/2P7qPBL</u>
- \*PAVE PDF Evaluation Engine <u>http://bit.ly/2OCdTTZ</u>
- Making Word Docs Accessible <u>http://bit.ly/2YLy9Hk</u>

## Resources (Continued)



### AudioEye Managed

AudioEye analyzes and validates issues of accessibility; its engineers author necessary remediations to be applied through our dynamic remediation technology.

#### AudioEye Toolbar

A set of free assistive tools embedded in AutioEye Managed websites that help individuals who may not have access to assistive technology or who need help, such as aging populations and individuals who have vision, hearing, motor, or intellectual (cognitive) disabilities, to fully consume content; e.g., <u>Humboldt County, CA</u>

## AudioEye Trusted Certification

The AudioEye Certification shows your commitment to accessibility and lets all visitors to your website see that your community is committed to accessibility; Help Desk provides a lifeline to end users, allowing users to report accessibility and usability issues



## Resources (Continued)

## Accessibility Services Offered By CivicPlus

- **Training** Build accessibility into your DNA (onsite and virtual training available)
- Website Audit Comes with a full report of findings and a plan to go forward
- **PDF Remediation** Convert your PDF files to screen reader compliant PDF/A or HTML content
- **Closed Captioning Services** For live streams and videos of board and council meetings
- Automated Website Remediation AudioEye runs in the background of your website automatically finding errors and correcting them

# Questions

Thank you. Don Torrez | Partner Manager Certified ADA Coordinator

888-228-2233

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www.civicplus.com

