



The ADA & Effective Communication

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**Population**

- 1 in 5 Americans have a functional impairment that affects daily life
- 1 in 7 families are affected by disability
- Functional impairments
  - Auditory/hearing
  - Cognitive/learning & neurological
  - Physical/mobility
  - Visual

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## Physical Disabilities



- 17 million (7.1%) of U.S. adults find it difficult or are unable to walk a quarter mile.
- Functional limitations
  - Ambulation
  - Stamina
  - Balance
  - Reach
  - Manual dexterity / fine motor skills
- May be caused by conditions like arthritis, cerebral palsy, spinal cord injury, head injury, stroke, loss of limb/digits, Parkinson's Disease, Muscular Dystrophy, ALS, repetitive stress injury.

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## Barriers for People with Physical/Mobility Impairments

- Lack of accessible route to the program space or activity
- Lack of clear floor space to approach & read information
- Controls outside of the reach range
- Controls that require tight twisting, pinching or grasping
- Operations that require mouse-over, finger point, swipe or pinch

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## Cognitive, learning, & neurological disabilities



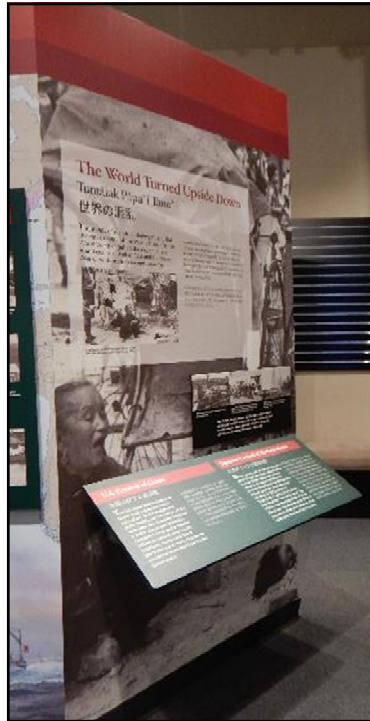
Examples of diagnosis

- Attention deficit hyperactivity disorder (ADHD) - difficulty focusing on tasks, focusing for longer periods, or being easily distracted.
- Autism spectrum disorder (ASD) impairments of social communication and interaction abilities, and sometimes restricted habits and interests.
- Intellectual disabilities or learning disabilities - learning more slowly, or difficulty understanding complex concepts.
- Mental health disabilities such as anxiety, delirium, depression, paranoia, may cause difficulty focusing on information or processing.
- Memory impairments - limited short-term memory, missing long-term memory, or limited ability to recall language.
- Seizure disorders can include different types of epilepsy and migraines, which may be in reaction to visual flickering or audio signals at certain frequencies or patterns.

Source: [Diverse Abilities and Barriers in How People with Disabilities Use the Web](#) . W3C Web6 Accessibility Initiative (WAI).

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## Barriers for People with Cognitive, Learning & Neurological Impairments

- Complex instructions
- Abstract ideas
- Multiple steps, unclear sequence
- Sensory overload
- Inability to pause or repeat information

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**SKYWARD** Online Enrollment Access

Select Language | District Links

**Hamilton Southeastern Schools**

**New Student Enrollment: Application Form**

Save and Continue to Fill Out Application | Save and go to Summary Page | Print Application | Leave WITHOUT Saving

**Instructions for completing the student application**

Students who are enrolled in a Hamilton Southeastern School in the current school year will be automatically enrolled next year. Please complete only if your student is not enrolled in HSE schools this year. Do not enroll students currently attending an HSE school. Please review the enrollment information at the HSE website (www.hse.k12.in.us) under the Our District tab before beginning. Be prepared to upload your child's birth certificate, immunization record, proof of residency and IEP or 504 plan, if applicable. Answer the questions to progress through the application form. Once complete please allow 5 days for processing. Click 'Save and Continue to Fill Out Application' to save your progress and stay on this screen. Click 'Save and go to Summary Page' to save your progress and return to the summary page. Click 'Leave WITHOUT Saving' to return to the summary page without saving.

Attention: (\*) denotes a required field. Please Note: Only one step may be edited at a time.

**Step 1: Student Information** | Edit | View Only | Save | Save and Collapse Step

**Instructions for completing Student Information**

Be sure to enter student's name exactly as it appears on their birth certificate:

\* Legal Last Name: \_\_\_\_\_ \* Legal First Name: \_\_\_\_\_ Middle Name: \_\_\_\_\_  
 Name Suffix: \_\_\_\_\_ Gender: \_\_\_\_\_  
 \* Date of Birth: \_\_\_\_\_ Age: 0 Birth City: \_\_\_\_\_ Birth State: \_\_\_\_\_  
 Birth Country: \_\_\_\_\_ Birth County: \_\_\_\_\_  
 Social Security Number: \_\_\_\_\_  
 \* Local Race: \_\_\_\_\_  
 \* Is Student Hispanic/Latino?: \_\_\_\_\_  
 \* Federal Race: (select all that apply)  American Indian or Alaska Native  Asian  Black or African American  Native Hawaiian or Other Pacific Islander  White  
 \* Student Language: \_\_\_\_\_

Enroll your student for the 2019-2020 school year

You are enrolling your student into the Current School Year (2019 - 2020)

\* Expected Enrollment Date: \_\_\_\_\_ (The first day of school is 08/07/2019)  
 \* Expected Grade Level: \_\_\_\_\_ \* Expected School to Enroll into: \_\_\_\_\_ Find your child's school by subdivision

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## Auditory Disabilities



- **Hard of hearing:** mild to moderate hearing loss in one or both ears. 48 million Americans (20%) have some degree of hearing loss.
- **Deafness:** substantial to uncorrected hearing loss in both ears. 3.6% (11 million) people in the U.S. consider themselves deaf.

### Related Health Conditions

- Five out of six children experience **ear infection** by the time they are three years old.
- Mild to moderate untreated hearing loss leads to cognitive decline and may be an early indicator for **Alzheimer's disease**.
- Individuals with untreated hearing loss are twice as likely to **experience depression** than those who have normal hearing or those who wear hearing devices.
- Studies suggest those with **hypertension** have a greater incidence of hearing loss than those without.
- Hearing loss is twice as common in individuals who have **diabetes** than in those without.

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Source: [National Institute on Deafness and Other Communication Disorders](#).

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## Hearing Loss


- 28 million U.S. adults could benefit from using hearing aids
- Adult men (age 20-69) are twice as likely to have hearing loss than women of the same age.
- As women age, they have more difficulty hearing at lower frequencies than do men.
- Approx. 2-3 of every 1,000 children in the U.S are born with a detectable hearing loss in one or both ears.
- More than 90 percent of deaf children are born to hearing parents
- Fifteen percent of school-age children (6-19) have some degree of hearing loss.
- 30 million Americans age 12 and older has hearing loss in both ears.
- 3.65 million hearing aid units were dispensed in the United States during 2016.
- The average age of first-time hearing aid wearers is 70 years of age.
- A large number of people wait 15 years from the time they know they have hearing loss until they purchase their first hearing aids (Better Hearing Institute)
- Hearing aid prices range from \$1,000 to \$4,000 per device depending upon the level of technology they contain.



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Source: [National Institute on Deafness and Other Communication Disorders](#).

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## Deafness


- 1 million Americans use sign language as their primary language.
- 30 Million Americans hear at 40 decibels (dB) or higher. “Normal” hearing ranges from 0 to 20 dB.
- 72% of families do not sign with their Deaf children.
- 70% of Deaf people don’t work or are underemployed.
- 1 in 4 Deaf people have quit a job due to discrimination.

Source: CDC, Bureau of Labor & Statistics, Disability Statistics, World Federation for the Deaf, Communication Services for the Deaf.

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## Barriers for People with Auditory Disabilities

- Inability to amplify audio information.
- Lack of captions or for audio information.
- Lack of sign language for audio information.



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## Visual Disabilities

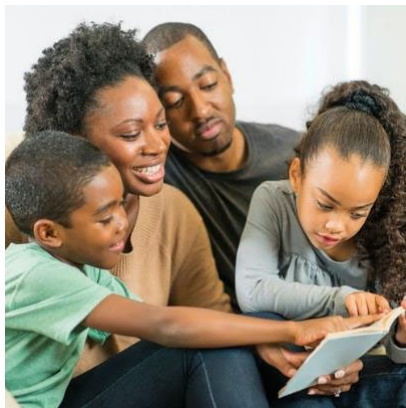


- 26.9 million (10%) adult Americans reported they either "have trouble" seeing, even when wearing glasses or contact lenses, or that they are blind or unable to see at all.
- Range from mild or moderate vision loss in one or both eyes ("low vision")
- Substantial and uncorrectable vision loss in both eyes ("blindness").
- "Legal blindness" is considered 20/200 in the better eye.
- Photo/light sensitivity
- Color sensitivity or lack of color sensitivity (color blindness)
- May be caused by uncorrected refractive errors, cataract, age-related macular degeneration, glaucoma, diabetic retinopathy, corneal opacity, trachoma.

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## Visual Impairments



- 3.2 million are estimated to have a visual impairment.
- 8 million are estimated to be nearsighted/far sighted → expected to double to 16 million by 2050.
- An estimated 1 million Americans are legally blind (20/200 vision or worse). Expected to double to 2 million by 2050.
- Medical expenditures are more than \$2,000/year for people with blindness compared to people without vision loss.
- Of U.S. school age children receiving support for visual impairments:
  - 7.8% are Braille readers
  - 32.3% are print readers
  - 10.8% are auditory readers
  - 32.7% are non-readers/symbolic readers
  - 16.4% are pre-readers
- Cost of assistive technology presents a barrier for people with low vision to complete education and gain employment.

Source: [National Federation of the Blind](#).

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## Barriers for People with Visual Impairments

- Publications presented in small print and serif font.
- Cues/instructions that are color-based.
- Lack of contrast between foreground and background.
- Electronic information that is not compatible with adaptive technology used to read it.
- Live visual events that lack description.
- Recorded video without description.
- Orientation and wayfinding.



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So what does the ADA have to say about effective communication?

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ADA  
Definition  
of  
Disability

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A physical or mental impairment that substantially limits one or more major life activities;

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A record of such an impairment; or

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Regarded as having such an impairment.

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ADA Title II Review

## Program Access



§35.150

- A public entity shall operate each service, program, or activity so that the service, program, or activity, when viewed in its entirety, is readily accessible to and usable by individuals with disabilities.

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## Effective Communication



§ 35.160

A public entity shall take appropriate steps to ensure that communications with applicants, participants, members of the public, and companions with disabilities are as effective as communications with others.

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## Auxiliary Aids & Services



A public entity shall furnish appropriate auxiliary aids and services where necessary to afford qualified individuals with disabilities, including applicants, participants, companions, and members of the public, an equal opportunity to participate in, and enjoy the benefits of, a service, program, or activity of a public entity.

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## Examples of Auxiliary Aids & Services

- (1) Qualified interpreters on-site or through video remote interpreting (VRI) services; notetakers; real-time computer-aided transcription services; written materials; exchange of written notes; telephone handset amplifiers; assistive listening devices; assistive listening systems; telephones compatible with hearing aids; closed caption decoders; open and closed captioning, including real-time captioning; voice, text, and video-based telecommunications products and systems, including text telephones (TTYs), videophones, and captioned telephones, or equally effective telecommunications devices; videotext displays; accessible electronic and information technology; or other effective methods of making aurally delivered information available to individuals who are deaf or hard of hearing;
- (2) Qualified readers; taped texts; audio recordings; Brailled materials and displays; screen reader software; magnification software; optical readers; secondary auditory programs (SAP); large print materials; accessible electronic and information technology; or other effective methods of making visually delivered materials available to individuals who are blind or have low vision;
- (3) Acquisition or modification of equipment or devices; and
- (4) Other similar services and actions.

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## Method

- Type of auxiliary aid will vary based on method of communication used by the individual.
- Nature of the event/exchange/interaction;
- Length of event/exchange/interact;
- Complexity of the communication involved; and
- Context in which the communication is taking place.

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## Other Considerations

- Primary consideration must be given to the individual with the disability.
- Auxiliary aids must be provided in a timely manner.
- Protect the privacy and independence of the person with the disability.
- No surcharge can be passed onto the person with a disability.

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## Information and Signage



### § 35.163

A public entity shall ensure that interested persons, including persons with impaired vision or hearing, can obtain information as to the existence and location of accessible services, activities, and facilities. (b) A public entity shall provide signage at all inaccessible entrances to each of its facilities, directing users to an accessible entrance or to a location at which they can obtain information about accessible facilities. The international symbol for accessibility shall be used at each accessible entrance of a facility.

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## Defenses

- **Direct threat** to the health or safety of others
  - Individualized assessment; nature; duration; severity of the risk; probability that the potential injury will actually occur; can the reasonable modifications, auxiliary aids or services mitigate the risk?
- **Fundamental alteration** to the nature of the service, program, or activity
- **Undue financial and administrative burden**
  - Public entity has burden of proof
  - Decision made by CEO

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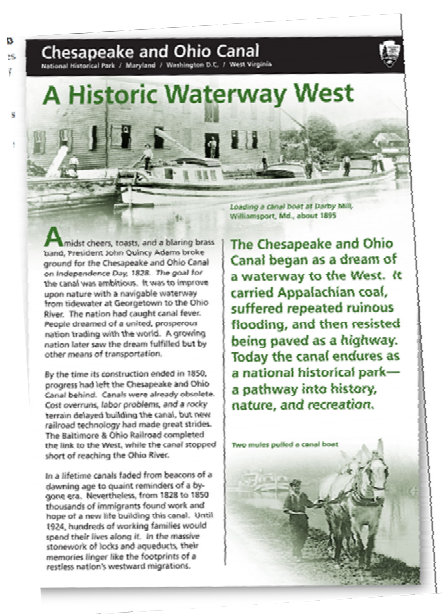
## Alternate Formats

- Large print
- Electronic files (txt, doc, rtf)
- Braille
- Audio files

*“This document available in alternate formats upon request.”*

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## Large Print

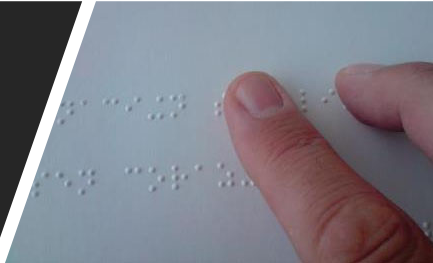
- 18 to 20 point font
- San serif, bold
- Verdana, Helvetica, Tahoma, Arial
- Line space 1.5
- Read American Council of the Blind *“Best Practices and Guidelines for Large Print Documents”* (<https://www.acb.org/large-print-guidelines>)

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# Braille

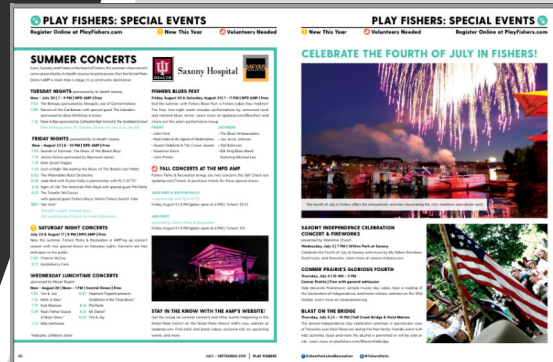
- Grade 2 Braille
- 26 standard letters of the alphabet, punctuation and contractions
- Should be professionally proofed
- Braille transcription service provider



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# PDF's & Electronic Files

- PDFs must be formatted for compatibility with adaptive technology
- Tab order must be designated
- Photos and images should have alt text descriptions
- Adobe <https://helpx.adobe.com/acrobat/using/create-verify-pdf-accessibility.html>



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Accessibility

- Accessibility Checker
  - Document (4 issues)
    - Accessibility permission flag - Passed
    - Image-only PDF - Passed
    - Tagged PDF - Failed
    - Logical Reading Order - Needs manual check
    - Primary language - Passed
    - Title - Failed
    - Bookmarks - Passed
    - Color contrast - Needs manual check
  - Page Content (2 issues)
    - Forms
    - Alternate Text (5 issues)
      - Figure alternate text - Failed
      - Hidden alternate text - Failed
      - Associated with content - Failed
      - Hidden association - Failed
      - Other elements alternate text - Failed
    - Tables (4 issues)
    - Lists (2 issues)
    - Headings (1 issue)

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Auxiliary Aids & Services

- Assistive listening system
- Sign language interpreters
- Captioning / Real-time captioning
- Readers
- Descriptive services / audio description

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## Text Telephones (TTYs)



Required where public pay phones are provided:

- Buildings / Floors / Exteriors with public pay phones
  - Public Building 1:1
  - Private Building 4:1
- Phone banks: 4 or more public pay phones are provided
- Public rest stop, emergency roadside stop, or service plaza
- Hospital emergency room, hospital recovery room, or hospital waiting room
- Transportation facilities including bus, rail and airport
- Detention and corrections facilities

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## Assistive Listening System/Devices

- Hardwired for assembly areas in new construction & alterations
- Portable systems
- FM & Digital
- Maintained in good working condition



Capacity of Seating in Assembly Area	Minimum Number of Required Receivers	Minimum Number of Required Receivers Required to be Hearing-aid Compatible
1. Or fraction thereof.		
50 or less	2	2
51 to 200	2, plus 1 per 25 seats over 50 seats <sup>1</sup>	2
201 to 500	2, plus 1 per 25 seats over 50 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>
501 to 1000	20, plus 1 per 33 seats over 500 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>
1001 to 2000	35, plus 1 per 50 seats over 1000 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>
2001 and over	55 plus 1 per 100 seats over 2000 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>

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## Sign Language Interpreters



- More than 135 types of sign language worldwide
- In the U.S.
  - American Sign (ASL)
  - Pidgin Signed English (PSE)
  - Signed Exact English (SEE)
- ADA requires “qualified interpreter”
- State of Indiana requires state certification for those interpreters used in public or private primary or secondary school setting.

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*What the ADA regs say*

## No-No's on Interpreters

- The public entity can not require the individual to bring their own interpreter.
- A public entity shall not rely on an adult accompanying an individual with a disability to interpret or facilitate communication except—
  - In an emergency involving an imminent threat to the safety or welfare of an individual or the public where there is no interpreter available; or
  - Where the individual with a disability specifically requests that the accompanying adult interpret or facilitate communication, the accompanying adult agrees to provide such assistance, and reliance on that adult for such assistance is appropriate under the circumstances.
- A public entity shall not rely on a minor child to interpret or facilitate communication, except in an emergency involving an imminent threat to the safety or welfare of an individual or the public where there is no interpreter available.

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## Requesting a Sign Language Interpreter

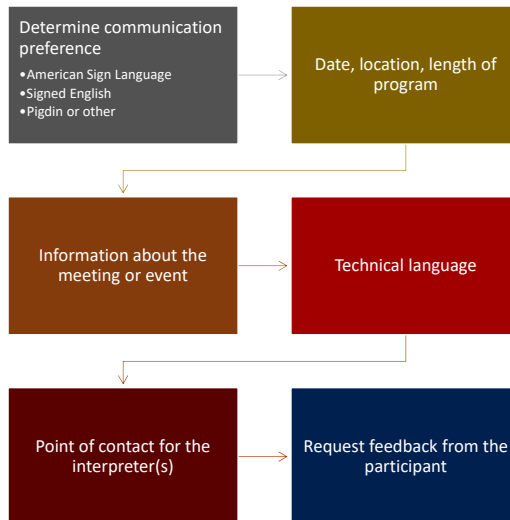
- What events will automatically be programmed with sign language interpreters?
- What programs or activities should sign language interpreter be requested in advance?
- How far in advance?
- Who receives the request(s)?
- Who schedules interpreter?
- Who pays for interpreter?
- How is the quality of the interpreter service evaluated?



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## Intake Request for Sign Language



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## Captions

- Open captions
- Closed captions
- Real-time captioning at events
- Auto-generated captioning
- Captions for streaming video programs/events
- Service providers
- Style guidelines for captions



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December 9, 2015 Minneapolis City Council (part 5)

December 9, 2015  
 Minneapolis City Council Adjourned Meeting  
 Public Testimony

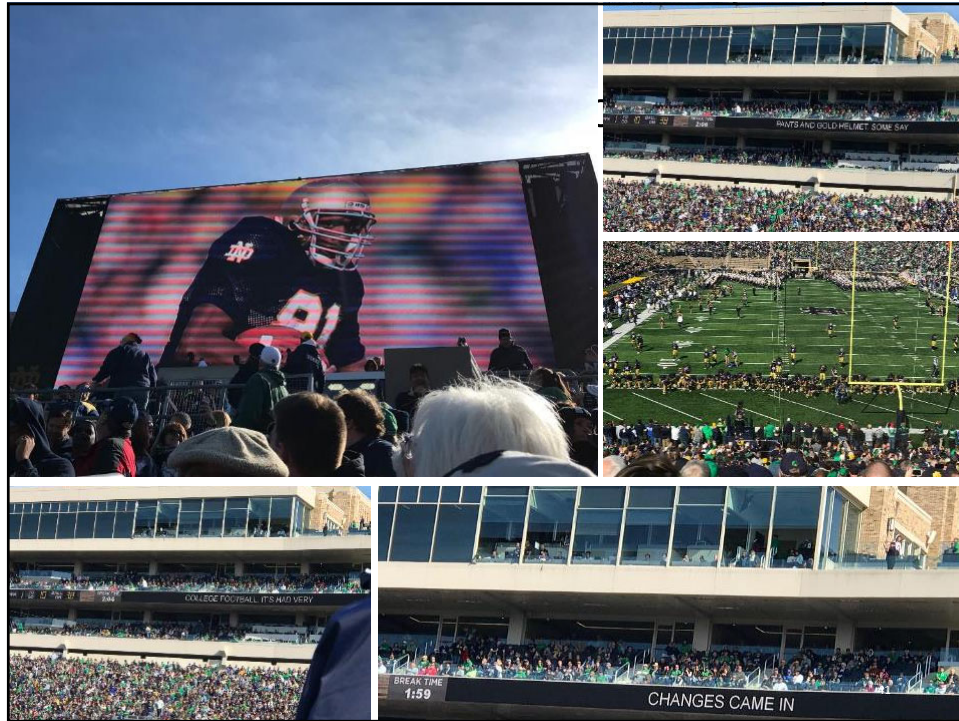
disrespectful and can I just say mister honey only had signed up amid the only

79 minneapolis gov

2:06 / 30:20

<https://youtu.be/TjAophAJH6w?t=2m6s>  
 Actual audio: "can I just say Mr Ali had signed up...."

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## Intake Request for Real Time Captioning

Transcription service in real time (live)

Captioner may be present in the room

- Confirm what equipment will be used? Will the captioner bring an LED display? Or will captions be projected to screen or monitor?

Relayed via internet

- Confirm how to access web site? Is login required? Is captioner available to test run?

Date, location, length of program

Provide list of names of speakers and frequently used terms to pre-load caption dictionary

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## Audio Description / Descriptive Services




- The art of talking pictorially
- Audio description for recorded video programs used in SAP
- Live description for theater performances and museum tours
- Description is integrated in script
- Trained professionals

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Sample: Frozen Trailer [https://youtu.be/O7j4\\_aP8dWA](https://youtu.be/O7j4_aP8dWA)



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- Sample: Hunger Games <https://youtu.be/B8BD9txkGL4>

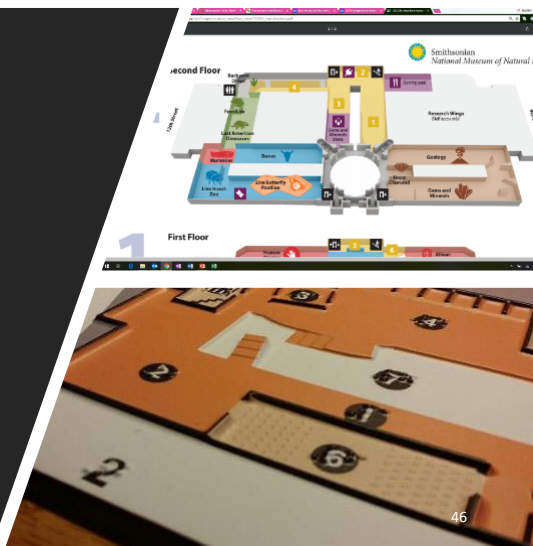


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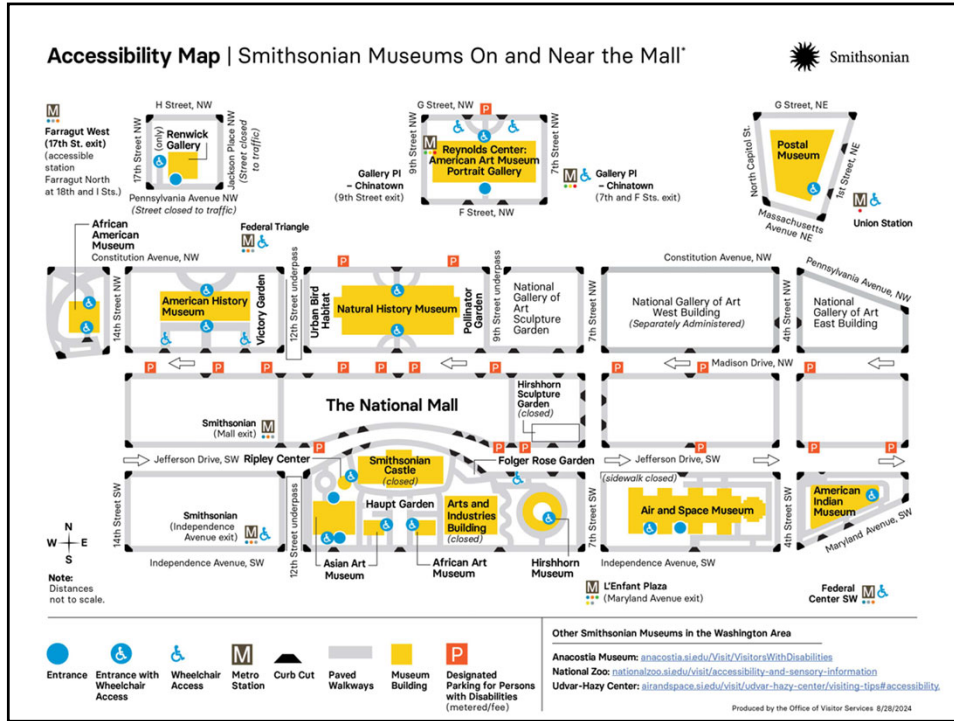
## Orientation & Wayfinding

- Signs
  - Informational & directional signs
  - Room identification signs
    - Raised characters
    - Braille
    - Pictograms
    - Specified mounting locations
- Maps
- Tactile
- Colors & Pictograms



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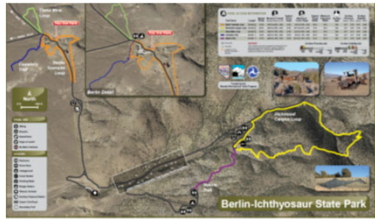


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# Trail Information

Universal Trail Assessment Process (UTAP)

<https://www.beneficialdesigns.com/mapping/trail-maps/>



## Red Road

Linear Trail to North Trailhead

**Length** 5.5 mi (8.9 km)  
**Elev Gain** 420 ft (128 m)  
**Elev Loss** 787 ft (240 m)

- Hikers
- Bikes
- Dogs on Leash
- No Motorized Vehicles
- No Equestrians  
Equestrian Use Allowed on Orange Trail Only

**Grade**  
**Typical Grade** 4.1%  
 11% of trail is 9% to 12.5%  
 .18 mi (.29 km) is 13% to 28%  
**Standard Ramp Grade** 8.3%

**Cross Slope**  
**Typical Cross Slope** 3.2%  
 18% of trail is 6% to 12.5%  
 .13 mi (.21 km) is 13% to 30%

**Tread Width**  
**Typical** 86 in (220 cm)  
 25 ft (8 m) is 30 in (76 cm)

**Surface**  
**Surface Type** **Soil**  
 70% of trail is **Firm**  
 26% of trail is **Hard**  
 4% of trail is **Soft**

**Obstructions**  
**Roots** 7 in (18 cm)  
**Ruts** 6 in (15 cm)  
Medium grades and cross-slopes may vary. Obstructions less than 6 in (15 cm) or higher than 24 in (61 cm) are not reported.  
 \*As of 10/20/18. Map was not updated.



## Red Road

Linear Trail to North Trailhead

**Length** 5.5 mi (8.9 km)  
**Elev Gain** 420 ft (128 m)  
**Elev Loss** 787 ft (240 m)

**Permitted**  
 Hikers  
 Bikes  
 Dogs on Leash  
 No Motorized Vehicles  
 No Equestrians

**Grade**  
**Typical Grade** 4.1%  
 11% of trail is 9% to 12.5%  
 .18 mi (.29 km) is 13% to 28%  
**Standard Ramp Grade** 8.3%

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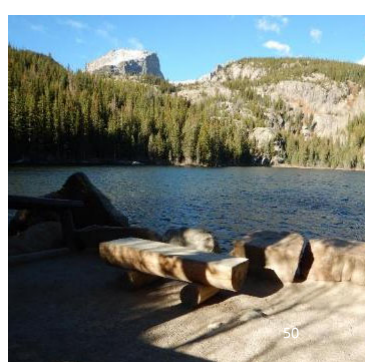
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 \*As of 10/20/18. Map was not updated.


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But what does the ADA have to say about web sites and mobile apps?



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ADA	Section 508	W3C
<ul style="list-style-type: none"> <li>• Case law                             <ul style="list-style-type: none"> <li>• Over 2,258 lawsuits filed in federal court in 2018</li> <li>• Beyonce &amp; Rhinna</li> <li>• Dominoes</li> <li>• H &amp; R Block</li> <li>• National Museum of Crime and Punishment</li> <li>• Winn-Dixie</li> </ul> </li> <li>• Project Civic Access</li> </ul> 	<ul style="list-style-type: none"> <li>• <b>Federal law</b> applicable to <b>federal agencies</b> procuring electronic and information technology for use by employees or the public</li> <li>• Can be used as a guidance for state &amp; local government</li> <li>• <a href="http://www.section508.gov">www.section508.gov</a></li> </ul>	<ul style="list-style-type: none"> <li>• <b>International voluntary standard</b></li> <li>• Web Accessibility Initiative (WAI)</li> <li>• Web Content Accessibility Guidelines (WCAG 2)</li> <li>• <a href="http://www.w3c.org">www.w3c.org</a></li> </ul>
<div style="border: 2px solid red; padding: 5px; display: inline-block;"> <p>June 2024 – DOJ issues Supplemental Rule for Web Sites &amp; Mobile Apps Covered Under Title II</p> </div>		

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**BREAKING NEWS**

*DOJ Issues FINAL RULE*

## Title II Web and Mobile Application Accessibility

Final rule issued April 2024

Compliance deadlines

- State or local governments with a population of **50,000+**
  - Compliance deadline April 24, 2026
- State or local governments with a population of **0 to 49,999** persons
  - Compliance deadline April 26, 2027
- Special district governments
  - Compliance deadline April 26, 2027

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## DOJ Issues Final Rule for Web Sites and Mobile Apps Covered Under Title II State and Local Government

- <https://www.ada.gov/law-and-regs/regulations/title-ii-2010-regulations/#-35200-requirements-for-web-and-mobile-accessibility#section74>
- Final rule adopts the [Web Content Accessibility Guidelines \(WCAG\) Version 2.1](https://www.w3.org/TR/WCAG21/), Level AA as the technical standard that state and local governments would need to follow. (<https://www.w3.org/TR/WCAG21/>)
- State and local governments' web content and mobile apps must comply with the technical standard.

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## Exceptions

1. Archived web content.
2. Preexisting conventional electronic documents (PDFs, word processor file formats, presentation file formats, and spreadsheet file formats).
3. Content posted by third parties.
4. Exception for individualized, password-protected conventional electronic documents (PDFs, word processor file formats, presentation file formats, and spreadsheet file formats).
5. Exception for preexisting social media posts.

\*Existing obligations: Even if some of the content is covered by an exception, the ADA requires public entities to provide individuals with disabilities with effective communication, reasonable modifications, and an equal opportunity to participate in or benefit from the entity's services, programs, and activities.

This means that even when web content or content in mobile apps does not have to meet WCAG 2.1, in many circumstances the public entity would still need to provide the content to a person with a disability who needs it in a format that is accessible to them.

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## How People with Disabilities Use the Web







<https://youtu.be/3f31oufgFSM>

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## What is WCAG?

WCAG stands for Web Content Accessibility Guidelines, developed by W3C with a goal of "providing a single shared standard for web content accessibility that meets the needs of individuals, organizations and governments internationally." WCAG follows four guidelines:

	<p><b>Perceivable</b></p> <ul style="list-style-type: none"> <li>• Provide <b>text alternatives</b> for non-text content</li> <li>• Provide <b>alternatives</b> for time-based media</li> <li>• Create content that can be presented in <b>different ways</b> without losing information</li> <li>• Make it easier to <b>see and hear content</b></li> </ul>
	<p><b>Operable</b></p> <ul style="list-style-type: none"> <li>• Make all functionality available from a <b>keyboard</b></li> <li>• Give users <b>enough time</b> to read and use content</li> <li>• Do not use content that causes <b>seizures</b></li> <li>• Help users <b>navigate and find content</b></li> </ul>
	<p><b>Understandable</b></p> <ul style="list-style-type: none"> <li>• Make text <b>readable and understandable</b></li> <li>• Make content operate in <b>predictable ways</b></li> <li>• Help users avoid and correct mistakes</li> </ul>
	<p><b>Robust</b></p> <ul style="list-style-type: none"> <li>• Maximize <b>compatibility</b> with current and future user tools</li> </ul>

For more information, visit [www.w3.org/WAI/WCAG20](http://www.w3.org/WAI/WCAG20)

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## Usability Testing & Validation Tools

- Turn images off
- Read Aloud / Voiceover
- Turn sound off
- DEMO

- PDF – Read Aloud
- WAVE – Web Accessibility Evaluation Tool  
<http://wave.webaim.org/>

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# WAVE Browser Extension

<https://wave.webaim.org/extension/>

**WAVE Browser Extensions**

We make it easy to find, install, and use the best browser extensions with support for accessibility from directly within your browser. We also offer the extension you can use to help you and improve the information is sent to the web browser. This means you can find and secure accessibility reporting. The extension can track issues, generate accessibility reports, generate a compliance with page. Also, because the web browser includes the rendered version of your page, newly displayed styles are dynamically generated content from origins or ARIA can be included.

Chrome Extension

Firefox Extension

WAVE Extension as Mozilla Add-on

Microsoft Edge Extension

WAVE Edge Extension on Edge add-on

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<https://mcgov.maps.arcgis.com/apps/webappviewer/index.html?id=ae18fc8c53504c25a002d01419560fb2>

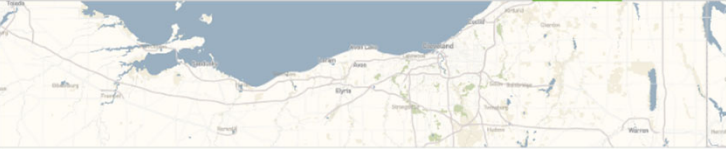
60


**DISTANCE FROM ME**

Enter a location  OR  Near me WITHIN

**ACTIVITIES**


<input type="checkbox"/> Archery	<input type="checkbox"/> Backpacking
<input type="checkbox"/> Biking & Cycling	<input type="checkbox"/> Boating, Sailing & Paddlesports
<input type="checkbox"/> Classes, Workshops, & Lectures	<input type="checkbox"/> Climbing
<input type="checkbox"/> Dining	<input type="checkbox"/> Exploring Culture & History
<input type="checkbox"/> Exploring Nature	<input type="checkbox"/> Fishing & Ice Fishing
<input type="checkbox"/> FootGolf	<input type="checkbox"/> Golfing
<input type="checkbox"/> Hiking & Walking	<input type="checkbox"/> Horseback Riding
<input type="checkbox"/> Mountain Biking	<input type="checkbox"/> Races & Competitions
<input type="checkbox"/> Swimming	<input type="checkbox"/> Tobogganing
<input type="checkbox"/> Winter Activities	






**ACACIA RESERVATION**

Walk the open rolling hills of Acacia Reservation and see how a golf course



**BEDFORD RESERVATION**

Enjoy the challenging trails, scenic streams and sprawling forest of Bedford



**BIG CREEK RESERVATION**

Big Creek Reservation serves primarily as an urban greenway, which winds along

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HOME > PARKS & AMENITIES > FIND A PARK

**Keyword Search**

Enter keywords

**Types**

- Amphitheater (1)
- Parks & Fields (20)
- Venues (4)
- Woods, Trails, & Nature Areas (12)


**Proximity**

Enter location

5 mi


**Features**

- ADA Accessible (3)
- Athletic Fields (3)
- Baseball or Softball Diamond (4)
- Basketball Courts (2)
- Benches (3)
- Bike Racks (6)
- Community Building (2)




**Bee Camp Creek Trailhead**

13870 AMBRIA DRIVE  
FISHERS INDIANA 46037  
parks@fishers.in.us  
317-595-3150




**Billericay Park**

12690 PROMISE ROAD  
FISHERS INDIANA 46038  
parks@fishers.in.us  
317-595-3150



**Brooks School Park**

11780 BROOKS SCHOOL ROAD  
FISHERS INDIANA 46037  
parks@fishers.in.us  
317-595-3150



**Central Green**

1 MUNICIPAL DRIVE  
FISHERS INDIANA 46038  
parks@fishers.in.us  
317-595-3150

**FEATURES**

Parking  
Playgrounds

---

**FEATURES**

Baseball or Softball Diamond  
Bike Racks  
Community Building  
Concession Building  
...and 9 more

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**FEATURES**

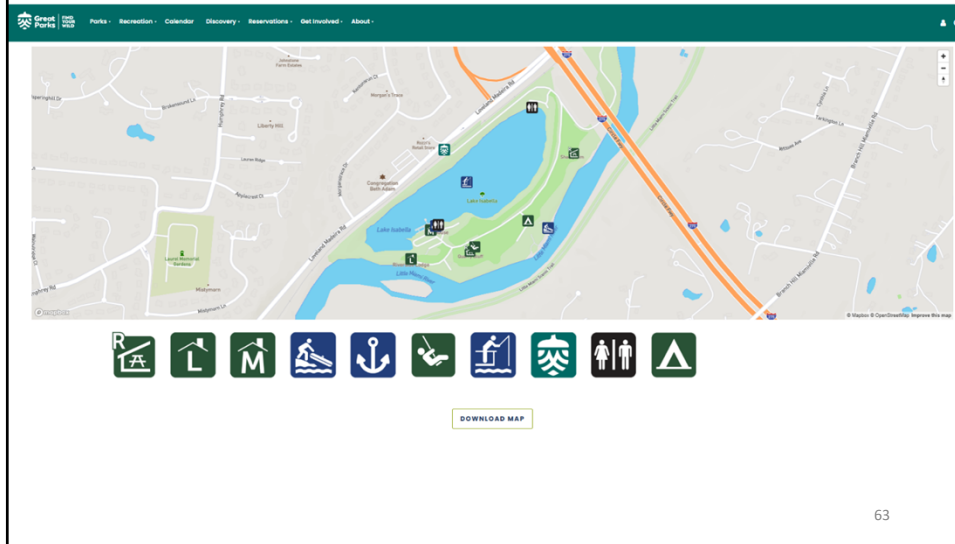
Basketball Courts  
Bike Racks  
Greenways  
Horseshoe Pits  
...and 6 more

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Skulski Consulting LLC

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## Sample Interactive with Downloadable Map Option



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## Downloadable Maps for Printing



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# For More Information for Making Interactive Maps Accessible

Webinar archives:

## Can you Read this Map: Checking Maps for ADA Accessibility (2025)

Brandon Biggs, XR Navigation, CEO

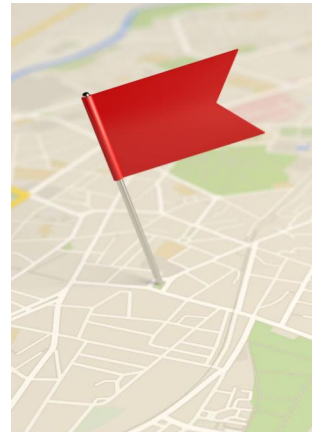
<https://accessibilityonline.org/ada-tech/archives/111159>

## Maps for All – Building Accessible Maps (2023)

Kelley Bailey, Federal Aviation Administration, Section 508 Application Testing Team Lead, CTFL, CTFL-AT, Certified Trusted Tester

Amy Ellison, Minnesota Department of Natural Resources, State of Minnesota, Cartographer and Special Event Coordinator

<https://accessibilityonline.org/cioc-508/archives/111071>

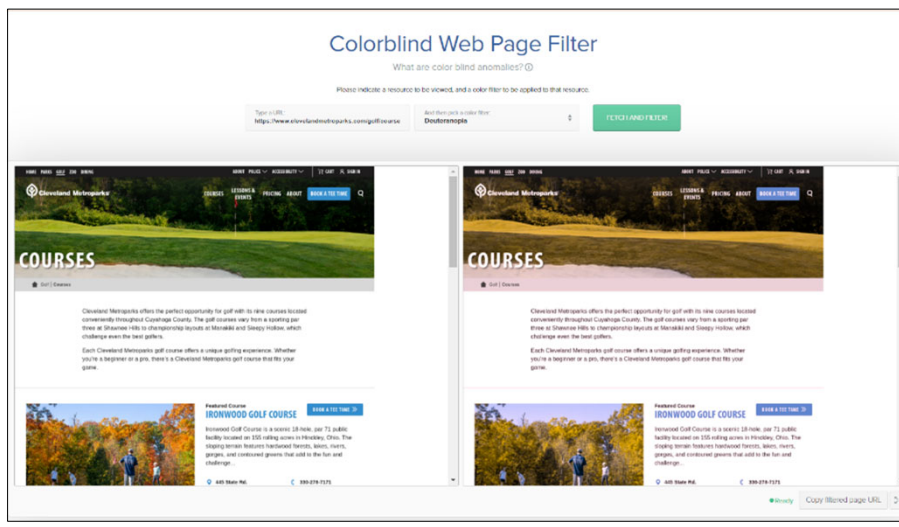


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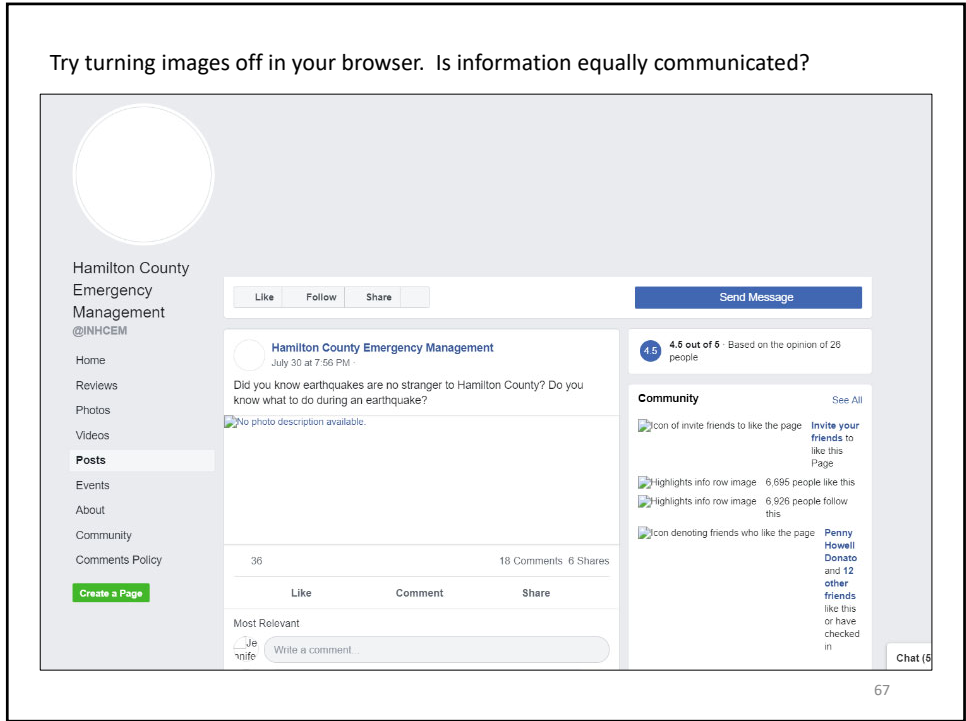
# Colorblind Web Page Filter

<https://www.toptal.com/designers/colorfilter>



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Try turning images off in your browser. Is information equally communicated?



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The same post with images turned on in the browser. What information was lost with the images turned off?



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Play video to hear how a screen reader presents the information. What is missing?

1:24 PM Mon Jul 29

facebook.com

Hamilton County Emergency Management - Home

Photos from Hamilton County Emergency Management's post

Severe Weather Safety

- **Stay weather aware:** Stay weather aware by knowing the forecast and checking the weather frequently.
- **Plan for warnings:** A watch means get ready to take action. A warning means take action and go to your safe place.
- **Have a Plan:** Have a plan on where to go if weather threatens – When thunder roars go indoors!
  - No place outside is safe when storms are in the area.
  - Do not stand under a tree, near tall objects, or on concrete if there is lightning. It is safer to be in your car rather than under a picnic shelter in a park because concrete has metal rebar.
  - Do not use an underground shelter, it channels wind and can be more dangerous.
  - If you are outside or diving when a warning is issued, seek shelter in the closest sturdy building immediately. Sheds and storage facilities are not safe. Taking shelter under a tree can be deadly. Avoid large open rooms such as cafeterias, gyms, and auditoriums.
- **Communicate the Plan:** Ensure everyone in your party, including kids, know where to go and what to do.

Hamilton County Emergency Management  
Like This Page - June 23

Severe thunderstorm watch for Hamilton County until 8 p.m. Know what to do and where to go if a warning is issued.

17 13 Shares

Like Comment Share

Write a comment...

Like Comment Share Options Send in Messenger

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Play video to hear how a screen reader presents the information. What is missing?

1:58 PM Mon Jul 29

Tweet

FishersIN @FishersIN

Mayor Fadness has declared tomorrow Korean War Armistice Day to honor America's Korean War veterans whose service and sacrifice allow us to enjoy the freedoms and liberties we have today. [fishers.in.us/fishershonors](https://fishers.in.us/fishershonors)

**City of Fishers PROCLAMATION**

WHEREAS, the Korean War was fought June 25<sup>th</sup>, 1950 through July 27<sup>th</sup>, 1953; and

WHEREAS, more than 1.7 million American men and women served in the Korean War; and

WHEREAS, we honor America's Korean War veterans whose service and sacrifice allow us to enjoy the freedoms and liberties we have today; and

WHEREAS, each year on July 27<sup>th</sup>, we commemorate the anniversary of the end of the Korean War with the cease-fire on that date; and

WHEREAS, the City of Fishers extends greetings and best wishes to all observing this day:

THEREFORE, I, SCOTT FADNESS, MAYOR OF THE CITY OF FISHERS, DO HEREBY PROCLAIM JULY 27<sup>TH</sup> AS

**KOREAN WAR ARMISTICE DAY**

IN THE CITY OF FISHERS AND ALL RESIDENTS ARE ENCOURAGED TO CELEBRATE IT.

Tweet your reply

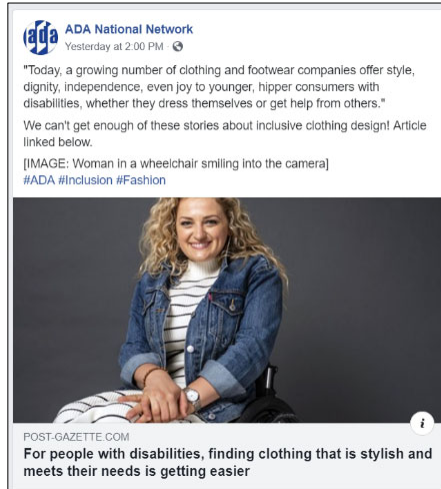
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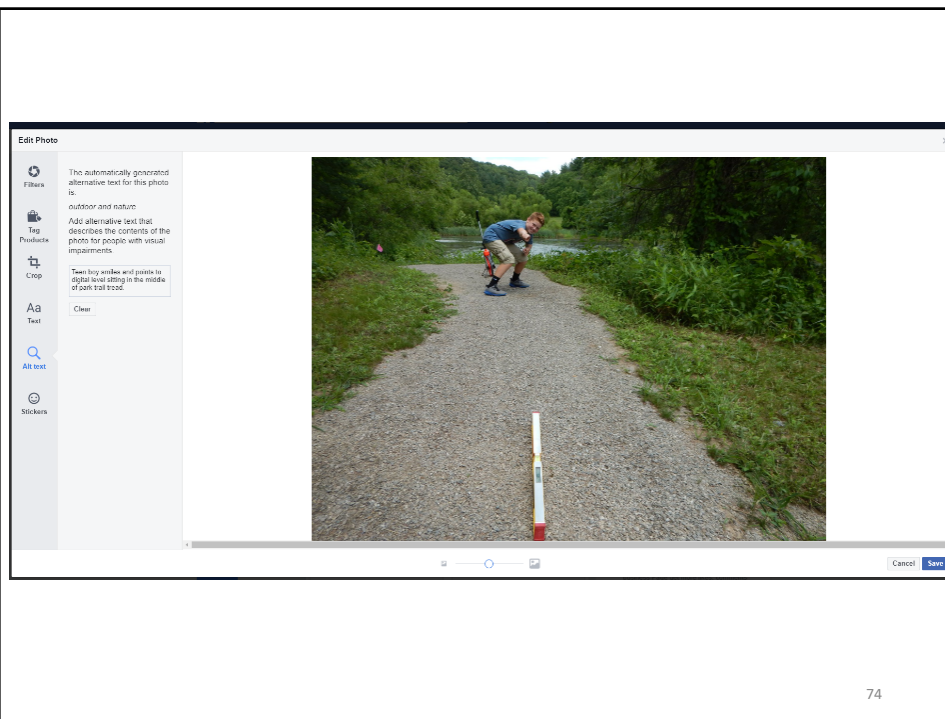
## Images & Infographics

- Alt text (alternative text) *a short, descriptive text attribute added to HTML code to describe the appearance and function of an image on a webpage.*
- Accessibility: Enables blind and visually impaired users to understand on-page visuals.
- SEO Benefits: Helps search engines understand image content, improving search rankings.
- Contextual Description: Describes what is in the image and why it is relevant, rather than just listing objects.
- Best Practices: Keep it concise, avoid "image of..." or "graphic of..." and use keywords naturally



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### How to set image descriptions

**How to enable the composition of image descriptions from Twitter.com**

1. Click on the **more** icon and select **Settings and privacy** from the dropdown (or press the "g" key quickly, followed by the "s" key).
2. Click **Accessibility** from the list of settings.
3. Find the **Compose image descriptions** checkbox.
4. Check the box to turn the setting on or off.

**How to add image descriptions in Tweets from twitter.com**

1. Click on the **Tweet compose** button, or press the "t" key to use the keyboard shortcut.
2. Attach your photo(s).  
**Note:** For detailed instructions about adding photos to your Tweets, read this [article](#).
3. To insert descriptive text, click **Add description**.
4. Type your description of the image and click the **Done** button. To edit the description, re-open the **Add description** dialog prior to posting the Tweet. (The limit is 420 characters.)
5. You can add a description to each image in a Tweet.  
**Note:** Image descriptions cannot be added to GIFs or videos.

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## Social Media


- Social Media Accessibility Toolkit  
<http://exploreaccess.org/social-media/?fbclid=IwAR0JS3RKWzaIMD4a5rkKjbo7alLFOG2mEuvHaKiYX7RmRXEI5p8OcNDRc90>
- Facebook: How to edit the alt text for a photo  
[https://www.facebook.com/help/214124458607871?helpref=faq\\_content](https://www.facebook.com/help/214124458607871?helpref=faq_content)
- X: How to make images accessible for people with disabilities  
<https://help.x.com/en/using-x/picture-descriptions>

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## Where do we go from here?

-  Accessibility Management Team
-  Communications / IT
-  Service Providers
-  Inventory web content & mobile apps
-  Prioritize corrective actions
-  Usability Testing / User Group
-  Continuous monitoring & evaluation



*Continuing education:*  
[www.accessibilityonline.org](http://www.accessibilityonline.org)  
[www.w3c.org](http://www.w3c.org)

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(317) 408-4424



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