

High-level accessibility review – American Society of Civil Engineering (ASCE) - Library Accessibility Alliance

Primary Point of Contact

Austin Bramhall
Project Manager

Deque Systems, Inc.

Web: www.deque.com

Email: austin.bramhall@deque.com

August 18, 2025



High-level accessibility review – ASCE - Library Accessibility Alliance

Contents

High-level accessibility review – ASCE - Library Accessibility Alliance	2
ASCE	3
Top 3 problems for the ASCE	3
Accessibility findings	3
1. Initial Interface/Landing Page	3
2. Browse Proceedings Page	9
3. Search Results Page	14
4. Conference Landing Page	17
5. Advanced Search Page	21

ASCE

Summary:

Top 3 problems for the ASCE

This high-level assessment covers limited portions and functionality of the ASCE. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to understand content, states and operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment. Following are top 3 issues from this evaluation.

- **Active Images:** Alternative text for logo images does not contain the visible text.
- **Link purpose (In Context):** Multiple links have same programmatic labels.
- **Keyboard Navigation:** Buttons do not expand/collapse using keyboard only.

Accessibility findings

1. Initial Interface/Landing Page

Source: <https://ascelibrary-org.offcampus.lib.washington.edu/doi/10.1061/9780784484777.001>

Test case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible. Please test a browse screen too, such as Browse Proceedings.

ASCE LIBRARY

Access provided by University of Washington Libraries

Login / Register

JOURNALS

BOOKS

MAGAZINES

AUTHOR CENTER

COMMUNITIES

TOPICS

SUBSCRIBE

Home / Proceedings / Structures Congress 2023

PREVIOUS CHAPTER

NEXT CHAPTER

Chapter | May 1, 2023

Response of Reinforced Concrete Columns Subjected to Underwater Explosions

Authors [Jacob Sanders](#) and [Girum Urgessa, F.ASCE](#) [AUTHOR AFFILIATIONS](#)

Publication Structures Congress 2023

90 / 1

PDF

Structures Congress 2023

ABSTRACT

REFERENCES

Published research on the response of civil engineering structures subjected to underwater explosions (UNDEX) is relatively scant when compared to response for air blast. This paper presents preliminary assessment of the response of reinforced columns subjected to underwater explosions. The physical phenomena of underwater explosion and its effects are discussed. This is followed by a short summary on publicly available small-scale experiments conducted on reinforced concrete columns subjected to UNDEX and used as benchmark in this study. Peak blast pressures measured from the experimental tests are compared with those obtained from legacy empirical equations with proper magnification factors. The concrete damage plasticity (CDP) model used for analyzing structural response of the columns in a finite element program and its calibration are discussed.

Formats available

You can view the full content in the following formats:

VIEW PDF

REFERENCES

Belarbi, A., and Hsu, T. T. (1994). Constitutive laws of concrete in tension and reinforcing bars stiffened by concrete. *Structural Journal*, 91(4), 465–474.
[Google Scholar](#)

Choi, K. K., Urgessa, G., Taha, M. M., and Maji, A. K. (2008). Quasi-balanced failure approach for evaluating moment capacity of FRP under reinforced concrete beams. *Journal of Composites for Construction*, 12(3), 236–245.
[Crossref](#) | [Google Scholar](#)

Cole, R. H., and Weller, R. (1948) Underwater Explosions. *Phys. Today* 1948, 1, 35.
[Crossref](#) | [Google Scholar](#)

Collins, M. P., Mitchell, D., and MacGregor, J. G. (1993). Structural design considerations for high-strength concrete. *Concrete International* 15(5), 27–34.
[Google Scholar](#)

SHOW ALL REFERENCES

Recommended

Journal of Structural Engineering | Article | June 2022

Influence of Standoff Distance on the Response of RC Columns Subjected to Close-In Explosions

Journal of Structural Engineering | Article | October 2015

Quantification of the Blast-Loading Parameters of Large-Scale Explosions

Journal of Structural Engineering | Article | September 2018

Influence of Reservoir Water Levels on the Protective Performance of Concrete Gravity Dams Subjected to Underwater Explosions

Practice Periodical on Structural Design and Construction | Article | May 2010

Explosion Phenomena and Effects of Explosions on Structures. I: Phenomena and Effects

Journal of Performance of Constructed Facilities | Article | April 2023

Comparative Analysis of Blast-Load Models in Vapor Cloud Explosions

Download PDF

ASCE LIBRARY

American Society of Civil Engineers

1801 Alexander Bell Drive
Reston, VA 20191-4400
703-295-6300 | 800-548-2723

f

x

in

TERMS & CONDITIONS | HELP | PRIVACY

SITEMAP | TERMS OF USE | FAQ | CONTACT US | ACCESSIBILITY & DEI | ABOUT ASCE PUBLICATIONS

Follow us

@ASCEPublishing | LinkedIn | YouTube

© 1996–2025 American Society of Civil Engineers. All rights reserved, including rights for text and data mining and training of artificial technologies or similar technologies.

Page 4 of 24

Automated findings using Axe

- **SC 1.4.3 – Color Contrast (Regular Text)**

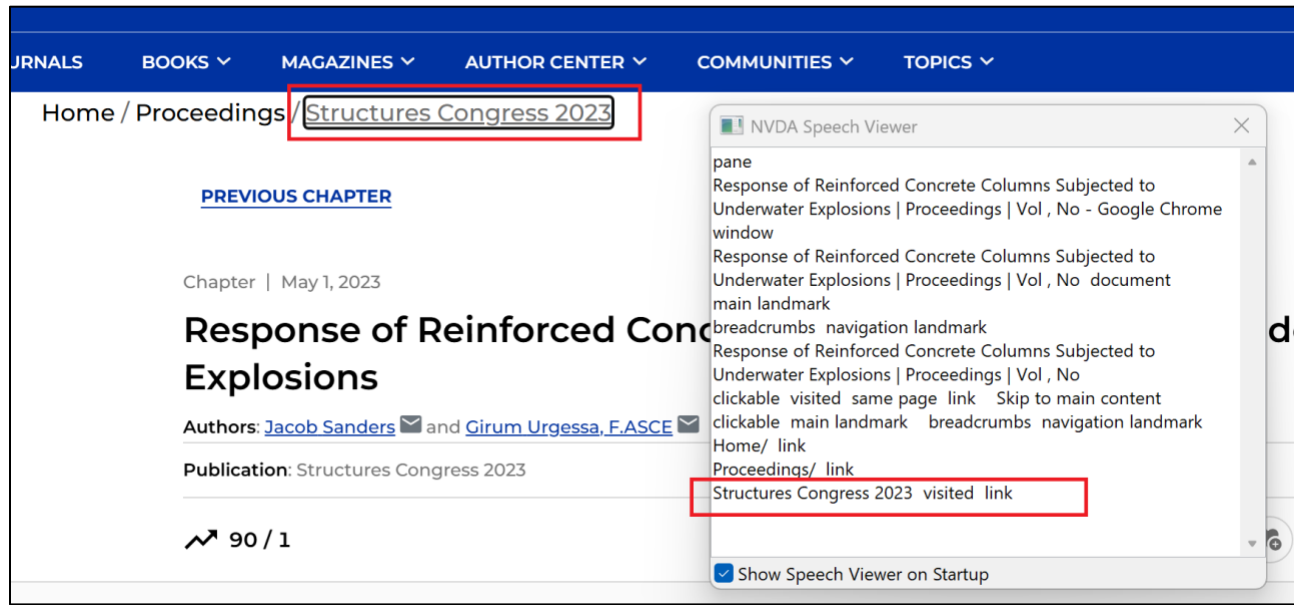
“PDF” and “VIEW PDF” links text do not have a minimum color contrast ratio of 4.5:1 against the button inner background.

The screenshot shows a web page with a blue header containing 'COMMUNITIES', 'TOPICS', and 'SUBSCRIBE'. Below the header, there's a section titled 'AUTHOR AFFILIATIONS'. The main content area contains text about engineering structures subjected to underwater explosions (UNDEX). A sidebar on the right contains icons for social media and a 'PDF' button. Below the main text, there's a section titled 'Formats available' with a 'VIEW PDF' button. An Axe accessibility error overlay is visible on the right side of the page. It indicates 'Total Issues: 1' and 'Elements must meet minimum color contrast ratio thresholds'. The error details state: 'Element has insufficient color contrast of 3.48 (foreground color: #ffffff, background color: #eb5757, font size: 9.0pt (12px), font weight: normal). Expected contrast ratio of 4.5:1'. The error points to the 'PDF' button in the sidebar and the 'VIEW PDF' button in the 'Formats available' section. The 'Related Node' section shows the HTML code for the 'VIEW PDF' button: `<i aria-hidden="true" class="icon-PDF"></i>PDF`.

Additional manual findings

- **SC 4.1.2.b Custom Controls:**

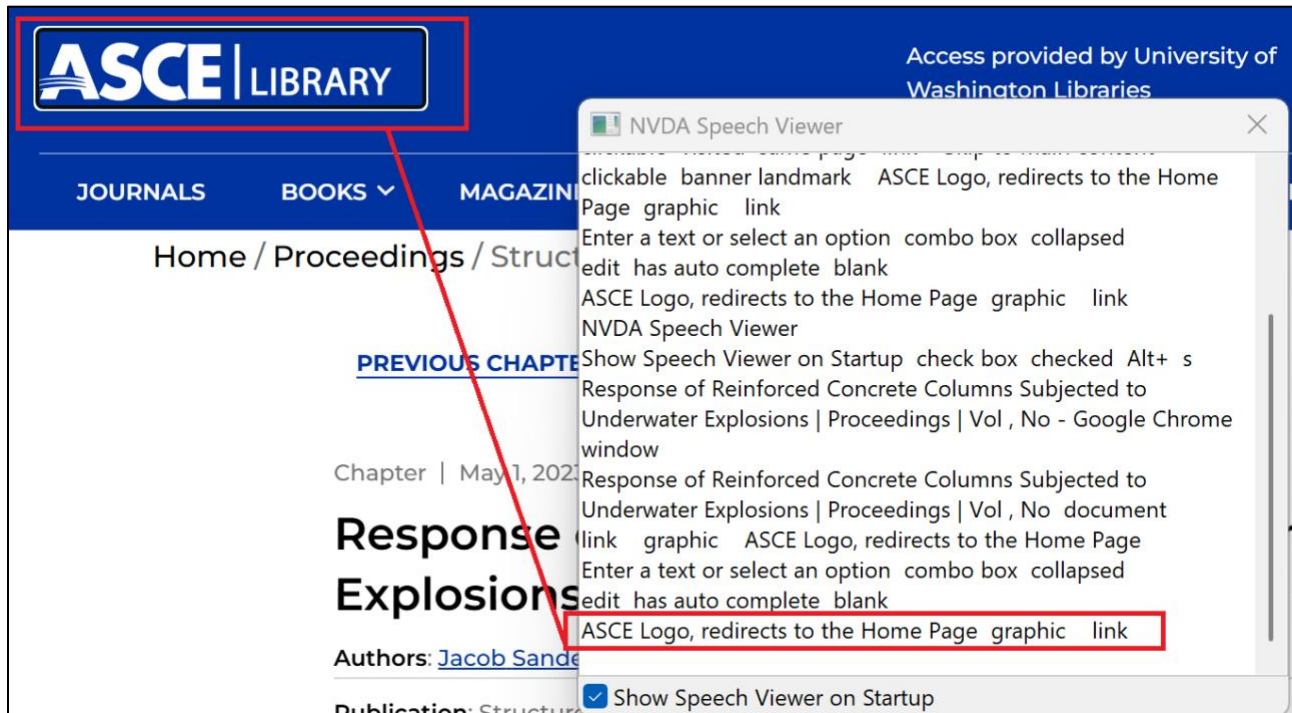
NVDA does not announce the “current page” for the current page link on the breadcrumb.



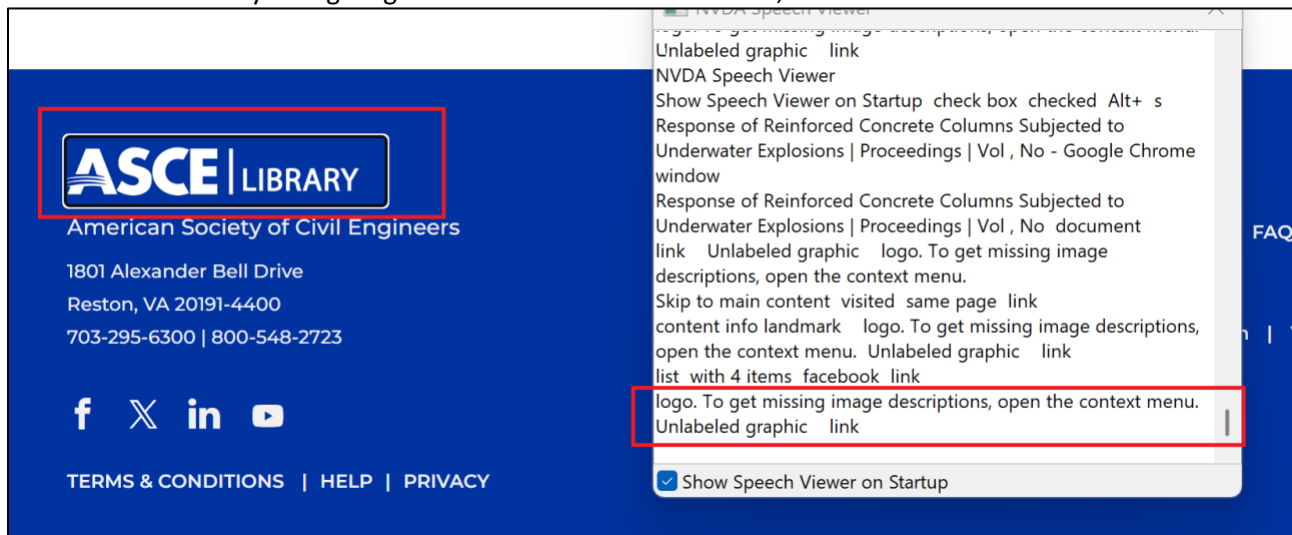
- **SC 2.4.7.a Focus Visible:**
Keyboard focus is not visible on the “search” button in the search box on the header



- **SC 1.1.1.a Alternative Text (Active images):**
ALT text for logo does not contain “Library” text in the logo. NVDA announces as “ASCE logo, redirects to the home page”.



- **SC 1.1.1.a Alternative Text (Active Images):**
 “ASCE Library” image logo does not have alt text defined, in the footer.



- **SC 2.4.4.a Link Purpose (In Context):**
 Multiple links under “References”, such as “Crossref” and “Google Scholar,” have same programmatic labels.

REFERENCES

Belarbi, A., and Hsu, T. T. (1994). Constitutive laws of concrete in tension and reinforcing bars. *Journal*, 91(4), 465–474.

[Google Scholar](#)

Choi, K. K., Urgessa, G., Taha, M. M., and Maji, A. K. (2008). Quasi-static response of Reinforced Concrete Column under reinforced concrete beams. *Journal of Composites for Construction*, 12(4), 465–474.

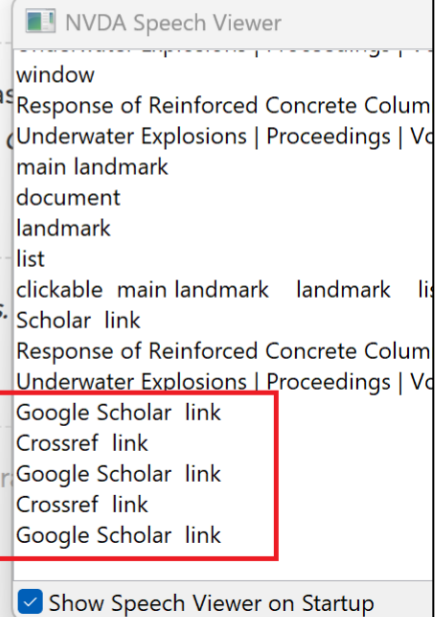
[Crossref](#) | [Google Scholar](#)

Cole, R. H., and Weller, R. (1948) Underwater Explosions. *Phys. Fluids*, 1(2), 1–10.

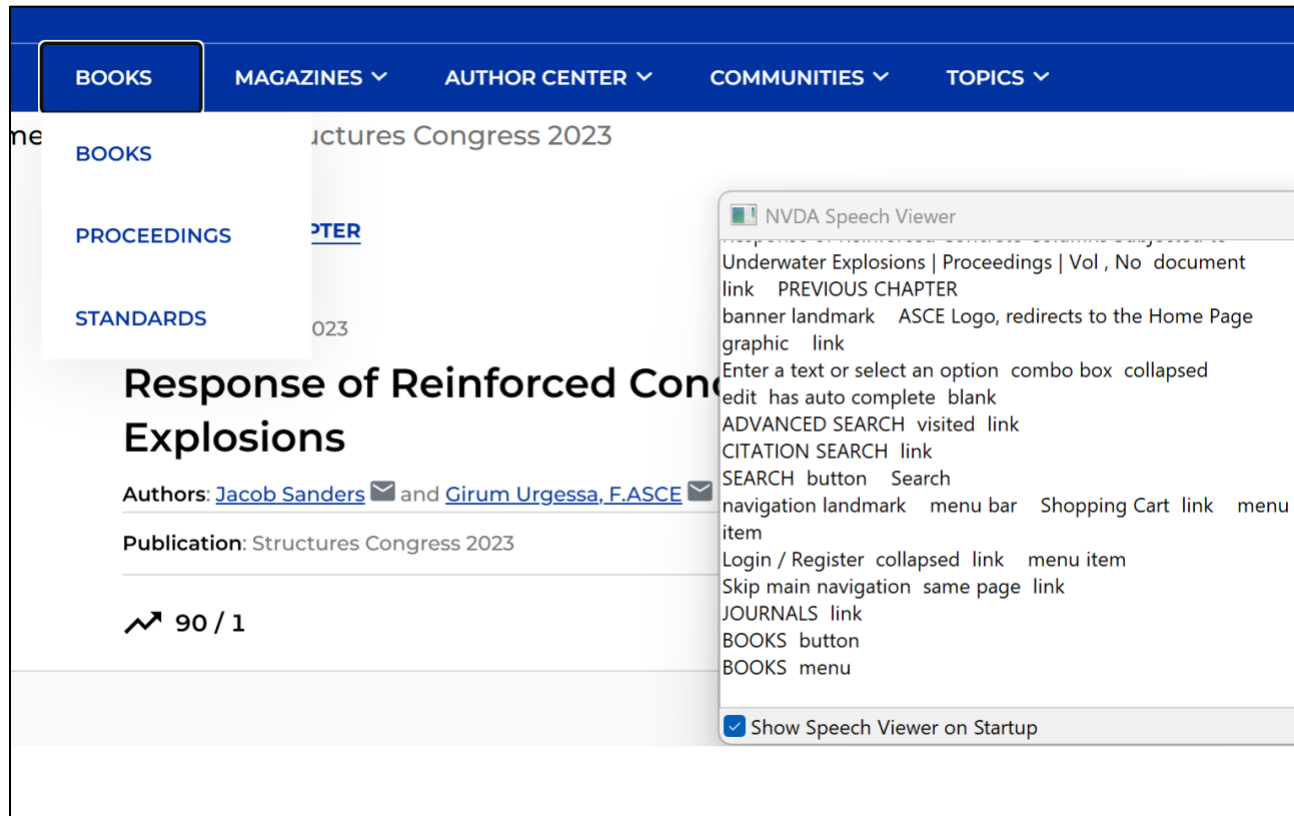
[Crossref](#) | [Google Scholar](#)

Collins, M. P., Mitchell, D., and MacGregor, J. G. (1993). Structural behavior of reinforced concrete beams under flexure. *ACI Structural Journal*, 90(4), 583–593.

[Google Scholar](#)



- **SC 4.1.2.a Name, Role, Value:**
Expand/Collapse state not announced for “Books”, “Magazines”, “Author Center”, “Communities”, and “Topics” buttons



- **SC 2.1.1.a Keyboard Navigation:**
 "Communities" button does not expand using keyboard.



2. Browse Proceedings Page

Source: <https://ascelibrary-org.offcampus.lib.washington.edu/proceedings>

Test case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible. Please test a browse screen too, such as Browse Proceedings.

ASCE | LIBRARY

[Home](#)
[Browse by Discipline](#)
[Library Catalog](#)
[Advanced Search](#)
[Contact Us](#)
[Help](#)
[Log In / Register](#)

Browse Proceedings

TITLES

A-Z

A	C	E	G	H	I	J	K	L	M	N	O	P	R	S	T	V	X	Z
0	1	2	3	4	5	6	7	8	9	*	#	&	%	'	()	,	:

PUBLICATION DATE

From: To:

TOPICS


- Geotechnical Engineering
- Transportation and Urban Development Engineering
- Structural Engineering
- Environment and Water Resources Engineering
- Construction Engineering
- More >>

ACE SPONSORS


- Geo Institute (G-I)
- Transportation and Development Institute (TDI)
- Environmental and Water Resources Institute (EWRI)
- Construction Institute (CI)
- Civil, Oceanic, Ports, and Rivers Institute (COPRI)
- More >>

Use filters to browse titles.


1 - 20 of 925 Proceedings Sort by: Most recent ▾




Pipelines 2023: Planning and Design
November 2023
August 9-10, 2023 • Tampa, Florida



Pipelines 2023: Construction, Rehabilitation, Trenchless Technology, and Pipeline Resiliency
September 2023
August 9-10, 2023 • Tampa, Florida




Pipelines 2023: Condition Assessment, Asset Management, and Subsurface Utility Engineering
September 2023
August 9-10, 2023 • Tampa, Florida




Pipelines 2025
September 2025
August 9-10, 2025 • Tampa, Florida


[Order in this book set ▾](#)




International Conference on Transportation and Development 2023: Transportation Safety and Emerging Technologies
November 2023
October 30-November 1, 2023 • Cleveland, Indiana




International Conference on Transportation and Development 2023: Transportation Planning and Operations
November 2023
October 30-November 1, 2023 • Cleveland, Indiana




Airfield and Highway Pavements 2025: Design, Construction, Condition Evaluation, and Management of Pavements
November 2025
October 30-November 1, 2025 • Cleveland, Indiana



Airfield and Highway Pavements 2025: Innovation and Sustainability in Highway and Airfield Pavements Technology
November 2025
October 30-November 1, 2025 • Cleveland, Indiana




Airfield and Highway Pavements 2025: Testing and Characterization of Pavement Materials
November 2025
October 30-November 1, 2025 • Cleveland, Indiana




ICTD 2025
November 2025
October 30-November 1, 2025 • Cleveland, Indiana

[Order in this book set ▾](#)




Airfield and Highway Pavements 2025
November 2025
October 30-November 1, 2025 • Cleveland, Indiana


[Order in this book set ▾](#)



Ports 2023: Port Engineering
July 2023
June 14-15, 2023 • Providence, Rhode Island




Ports 2023: Port Planning and Development
July 2023
June 14-15, 2023 • Providence, Rhode Island




Ports 2025
July 2025
June 14-15, 2025 • Providence, Rhode Island


[Order in this book set ▾](#)




World Environmental and Water Resources Congress 2023: Cool Solutions to Hot Topics
May 2023
May 19-20, 2023 • Washington, D.C.




ICESP 2024
Second International Conference in Civil Engineering for a Sustainable Planet
November 2024
November 6-8, 2024 • Tallahassee, Florida, USA




Structures Congress 2025
February 2025
March 9-10, 2025 • Phoenix, Arizona



ICREM 2024: ESG Development in the Construction Industry
International Conference on Construction and Real Estate Management 2024
November 2024
November 20-21, 2024 • Georgetown, Guyana



ICRT 2024
Third International Conference on Real Temperature
September 2024
August 19-20, 2024 • Shanghai, China



Geo-EnvironMeet 2023: Innovative Developments toward Sustainability
April 2023
March 2-3, 2023 • Louisville, Kentucky

1 2 3 4 5 6 7 8 9 10

ASCE | LIBRARY
 Information Access to Civil Engineers
 1815 Alexander Bell Drive
 Reston, VA 20191-4400
 Tel: 703-295-6000 Fax: 703-295-6070

EPRINTS JOURNAL OF BRIDGE ENGINEERING JOURNAL OF HYDROLOGIC ENGINEERING JOURNAL OF WATER RESOURCES ENGINEERING
 TRANSPORTATION ENGINEERING ENVIRONMENTAL AND WATER RESOURCES ENGINEERING CONSTRUCTION ENGINEERING CIVIL, OCEANIC, PORTS, AND RIVERS INSTITUTE

f x in +
© 1998-2023 American Society of Civil Engineers. All rights reserved. Including rights for text and data mining and creating or training artificial intelligence systems.

Automated findings using Axe: None

Additional manual findings

- **SC 1.3.1.e Headings:**
“Publication Date”, “Topics”, and “ASCE Sponsors” are not marked as headings.

PUBLICATION DATE

1964

TOPICS

Geotechnical Engineering

Transportation and Urban Development Engineering

Structural Engineering

Environment and Water Resource Engineering

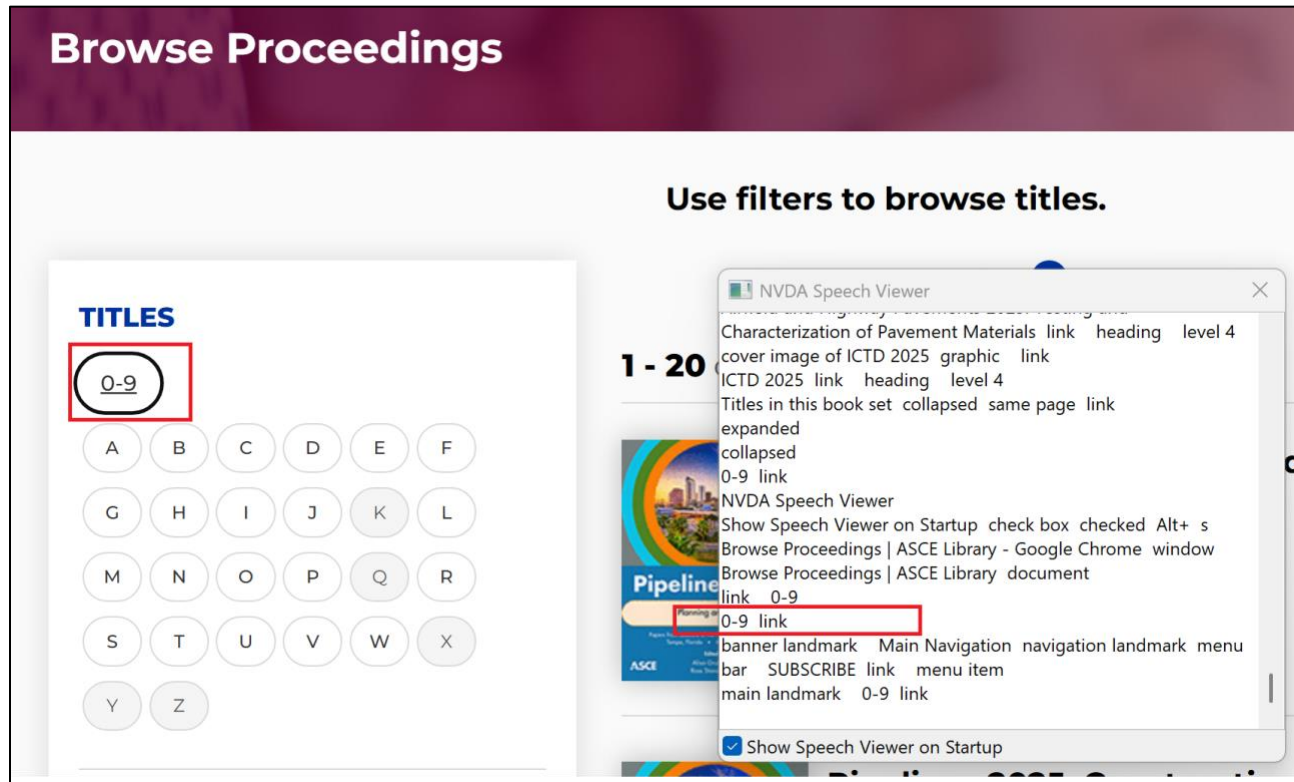
Construction Engineering

[More \(2\) ▾](#)

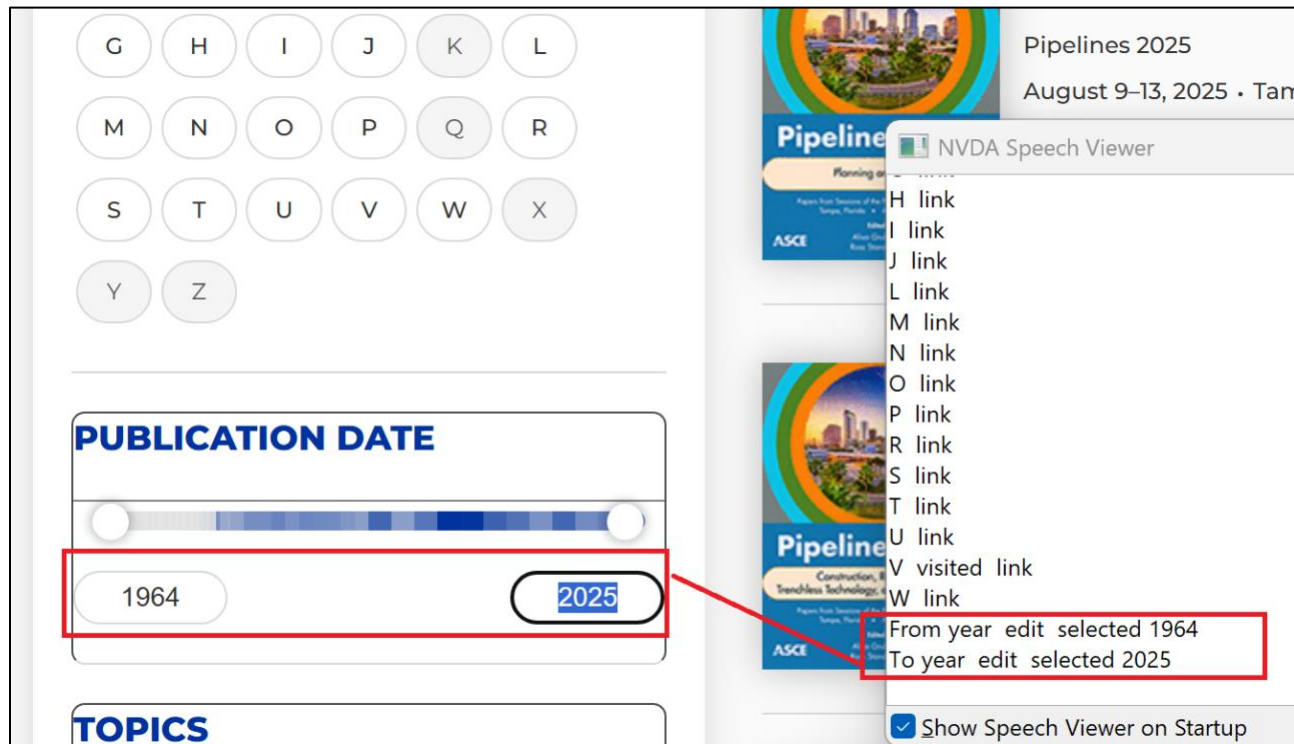
ASCE SPONSORS

Geo-Institute (G-I)

- **SC 1.3.1.d Group Related Form Elements:**
Links under “Titles” not associated with the group label.



- **SC 1.3.1.d Group Related Form Elements:**
Edit fields under “Publication Date” are not associated with the group label.



- **SC 1.3.1.d Group Related Form Elements:**

Links under “Topics” and “ASCE Sponsors” are not associated with the group label.

The screenshot displays the ASCE website's navigation menu. The 'TOPICS' section lists: Geotechnical Engineering (298), Transportation and Urban Development Engineering (136), Structural Engineering (97), Environment and Water Resources Engineering (96), and Construction Engineering (85). The 'ASCE SPONSORS' section lists: Geo-Institute (G-I) (300), Transportation and Development Institute (TDI) (120), Environmental and Water Resources Institute (EWRI) (94), and Construction Institute (CI) (71). An NVDA speech viewer is open, showing the text 'list with 5 items Geotechnical Engineering298 link' and 'list with 5 items Geo-Institute (G-I)300 link'. Red boxes highlight the 'TOPICS' and 'ASCE SPONSORS' sections, and the NVDA speech viewer text.

Section	Item	Count
TOPICS	Geotechnical Engineering	298
	Transportation and Urban Development Engineering	136
	Structural Engineering	97
	Environment and Water Resources Engineering	96
	Construction Engineering	85
ASCE SPONSORS	Geo-Institute (G-I)	300
	Transportation and Development Institute (TDI)	120
	Environmental and Water Resources Institute (EWRI)	94
	Construction Institute (CI)	71

- **SC 1.4.11.a Non-Text Contrast – Active User Interface Components:**
“Publication” Edit boxes boundary does not have a minimum contrast of 3:1 with the adjacent background.

Foreground Color

Hex: #D9D9D9 RGB: 217, 217, 2 Color: Name:

Adjust Lightness : 100%

Background Color

Hex: #FFFFFF RGB: 255, 255, 2 Color: Name: white

Adjust Lightness : 50%

Result

Small sample text.
Large sample text.

Contrast Ratio = 1.41:1

WCAG Standard	Small Text	Large Text, UI Components, & Graphical Objects
AA	FAIL	FAIL
AAA	FAIL	FAIL

3. Search Results Page

Source: <https://ascelibrary-org.offcampus.lib.washington.edu/action/doSearch?AllField=underwater+explosion&ContentGroupKey=10.1061%2F9780784484777>

Test case: From the initial landing page, conduct a search for: **underwater explosion**. Test Search results page, including filters/refine search.

The screenshot shows the ASCE Library website's search results for the query "underwater explosion". The page has a blue header with the ASCE Library logo, navigation links (JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, COMMUNITIES, TOPICS), and a "SUBSCRIBE" button. A search bar at the top contains the query "underwater explosion" and a green search button. Below the search bar, the results are displayed in two columns. The left column contains "APPLIED FILTERS" with sections for "ARTICLE TYPE" (Chapters/Proceedings Papers, Front Matter), "AUTHOR" (Sanders, Jacob, Urgessa, Girum), "PUBLICATION" (Proceedings), and "PUBLICATION DATE" (2023). The right column shows "1 - 2 of 2 result for 'underwater explosion'" with options to "Refine Search" and "Sort by: Relevance". Two results are listed: "Response of Reinforced Concrete Columns Subjected to Underwater Explosions" and "Front matter for Structures Congress 2023". Each result includes a "FULL ACCESS" button and links to "ABSTRACT" and "PDF/EPUB". The footer contains the ASCE Library logo, contact information, a sitemap, and social media links.

ASCE | LIBRARY

Access provided by University of Washington Libraries

Log in / Register

JOURNALS BOOKS MAGAZINES AUTHOR CENTER COMMUNITIES TOPICS SUBSCRIBE

Search Results

underwater explosion

ADVANCED SEARCH

APPLIED FILTERS

Structures Congress 2023 X

Clear all

ARTICLE TYPE

Chapters/Proceedings Papers

Front Matter

AUTHOR

Sanders, Jacob

Urgessa, Girum

PUBLICATION

Proceedings

PUBLICATION DATE

2023 2023

1 - 2 of 2 result for "underwater explosion"

Refine Search

Sort by: Relevance

Articles/Chapters

☐ Select all For selected items: Please Select

☐ FULL ACCESS

Response of Reinforced Concrete Columns Subjected to Underwater Explosions

Structures Congress 2023 (1 - 9)

Abstract PDF/EPUB

☐ FULL ACCESS

Front matter for Structures Congress 2023

Structures Congress 2023 (i - vii)

Abstract PDF/EPUB

ASCE | LIBRARY

American Society of Civil Engineers

1801 Alexander Bell Drive

Reston, VA 20191-4400

703-295-6300 | 800-548-2723

f X in

TERMS & CONDITIONS | HELP | PRIVACY

SITEMAP | TERMS OF USE | FAQ | CONTACT US | ACCESSIBILITY & DEI | ABOUT ASCE PUBLICATIONS

Follow us

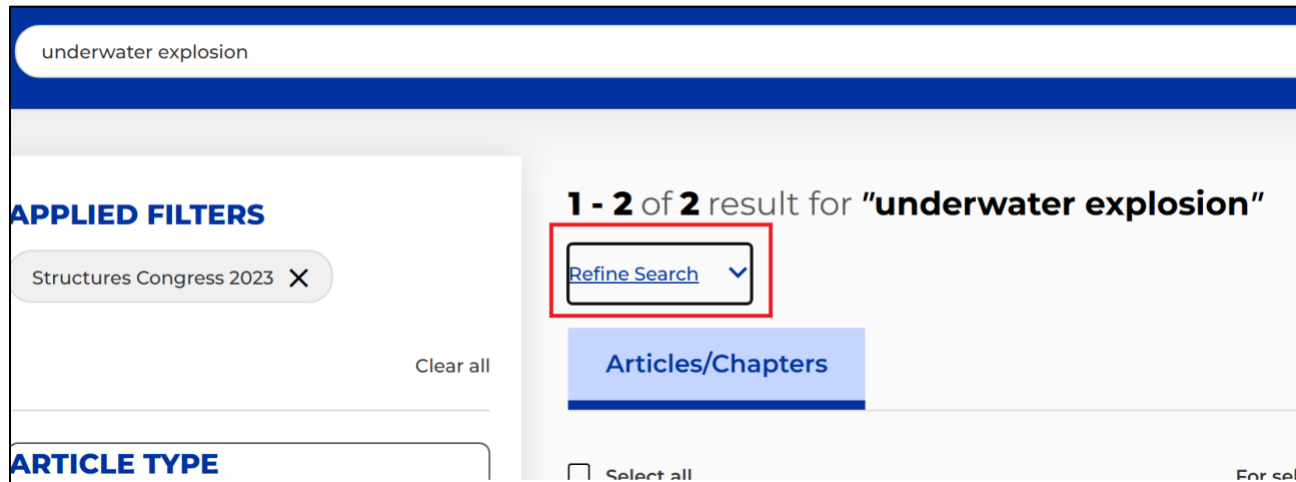
@ASCEPublishing | LinkedIn | YouTube

© 1996-2025 American Society of Civil Engineers. All rights reserved, including rights for text and data mining and training of artificial technologies or similar technologies.

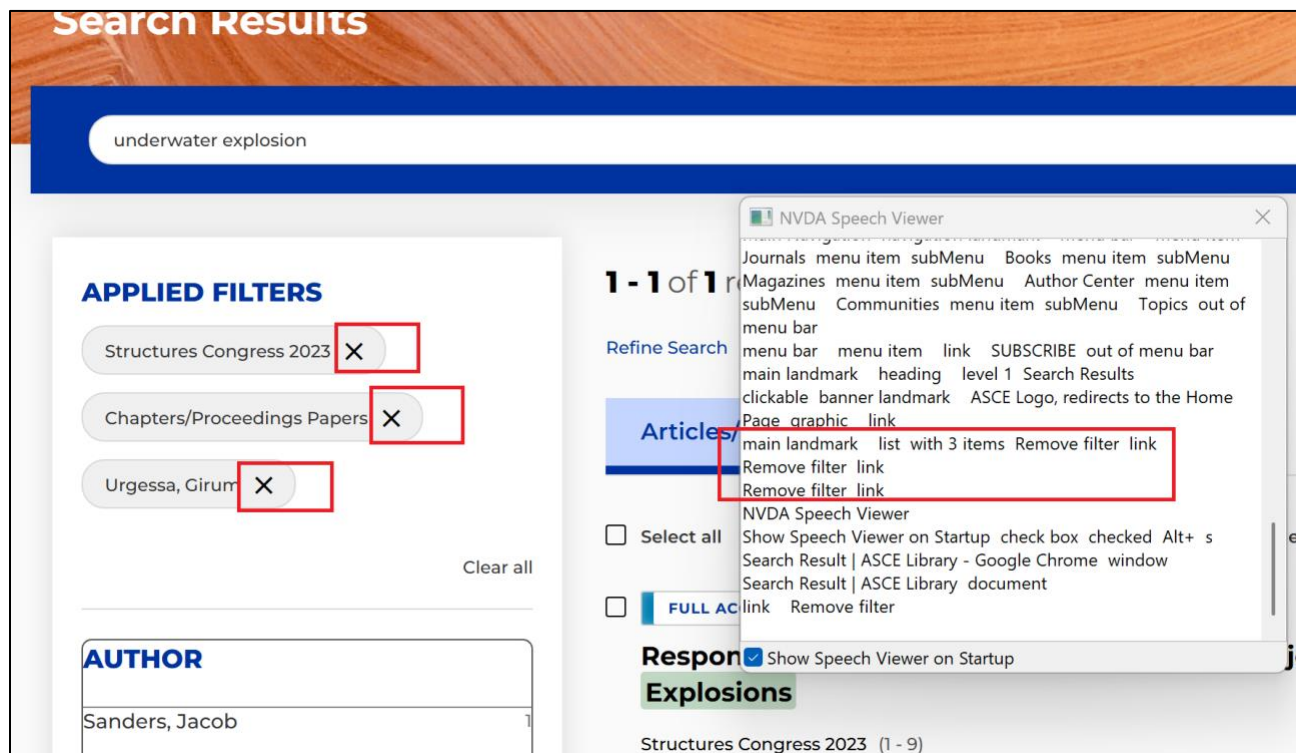
Automated findings using Axe: None

Additional manual findings

- **SC 2.1.1.a Keyboard Navigation:**
"Refine Search" button does not expand/collapse using keyboard only.



- 2.4.4.a Link Purpose (In Context):**
 Under "Applied Filters," multiple "X" links have the same programmatic label as "Remove filter."



- 2.4.6.b Descriptive Labels:**
 Checkbox programmatic labels do not describe the purpose. NVDA announces each checkbox as "issue item check box".
 <input name="doi" value="10.1061/9780784484777" type="checkbox" class="issue-Item__checkbox" aria-label="issue item checkbox">

The screenshot shows a web interface with a header "Articles/Chapters" in a blue bar. Below the header, there is a "Select all" checkbox and a "For selected items:" dropdown menu set to "Please Select". The main content area lists two articles, each with a "FULL ACCESS" button. The first article is titled "Response of Reinforced Concrete Columns Subjected to Explosions" and the second is "Front matter for Structures Congress 2023". Both articles have an "Abstract" link. An NVDA speech viewer window is overlaid on the right side of the page, displaying a list of accessibility issues. Two issues are highlighted with red boxes: "issue item checkbox check box not checked" and "issue item checkbox check box not checked". The NVDA window also includes a "Show Speech Viewer on Startup" checkbox.

Articles/Chapters

☐ Select all For selected items: Please Select

☐ FULL ACCESS

Response of Reinforced Concrete Columns Subjected to Explosions

Structures Congress 2023 (1 - 9)

Abstract

☐ FULL ACCESS

Front matter for Structures Congress 2023

Structures Congress 2023 (i - vii)

Abstract

NVDA Speech Viewer

clickable Underwater clickable Explosions heading level 5 link

clickable Abstract collapsed same page link

list with 2 items clickable ABSTRACT link Abstract

clickable PDF/EPUB link

clickable issue item checkbox check box not checked

clickable Front matter for Structures Congress 2023 heading level 5 link

issue item checkbox check box not checked

clickable list with 2 items PDF/EPUB link

clickable ABSTRACT link Abstract

clickable Abstract collapsed same page link

clickable Response of Reinforced Concrete Columns Subjected to

clickable Underwater clickable Explosions heading level 5 link

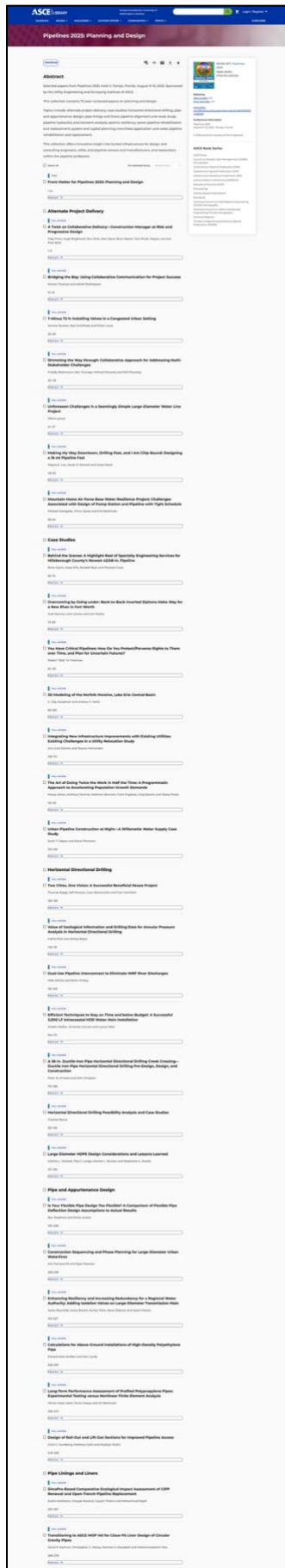
issue item checkbox check box not checked

☒ Show Speech Viewer on Startup

4. Conference Landing Page

Source: <https://ascelibrary-org.offcampus.lib.washington.edu/doi/book/10.1061/9780784486368>

Test case: If there is time, please test the Conference Landing Page.

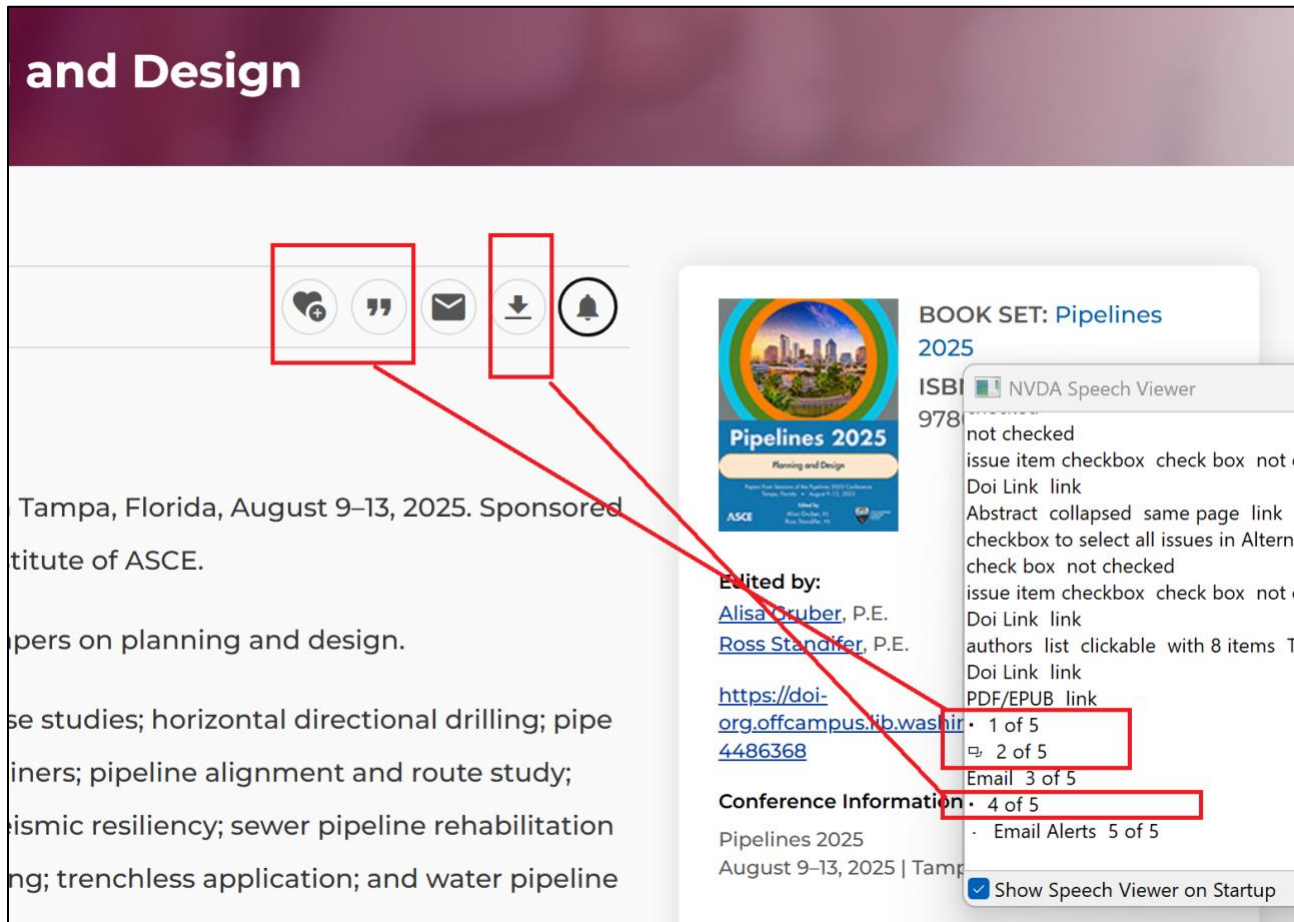


Automated findings using Axe: None

Additional manual findings

- **4.1.2.a Name, Role, Value:**

Links are missing a programmatic label and role. NVDA announces as “1 of 5”, “2 of 5”, and “4 of 5”



- **2.5.3.a Label in Name:**

The Links programmatic label does not include visible link text. NVDA announces as “DOI Link”

☐ Select all For selected items: Please Select

FREE

☐ **Front Matter for Pipelines 2025: Planning and Design**

i-xv

Abstract

Alternate Project Delivery

FULL ACCESS

☐ **A Twist on Collaborative Delivery—Construction Manager at Risk Progressive Design**

Toby Flinn, Hugh Brightwell, Ron Mick, Alan Davis, Brian Beach, Tom Pruitt, Wayne Kory Kylo

1-9

Abstract

NVDA Speech Viewer

- Abstract collapsed same page link
- issue item checkbox check box not checked
- Doi Link link
- Select all items check box not checked
- NVDA Speech Viewer
- Show Speech Viewer on Startup check box checked Alt+ s
- Pipelines 2025 | Books - Google Chrome window
- Pipelines 2025 | Books document
- check box not checked Select all items
- issue item checkbox check box not checked
- Doi Link link
- Abstract collapsed same page link
- checkbox to select all issues in Alternate Project Delivery section
- check box not checked
- issue item checkbox check box not checked
- Doi Link link

☒ Show Speech Viewer on Startup

- 2.4.6.b Descriptive Labels:

Checkbox programmatic labels do not describe the purpose. NVDA announces each checkbox as "issue item check box".

```
<input name="doi" value="10.1061/9780784486368.fm" type="checkbox" class="issue-Item__checkbox" aria-label="issue item checkbox">
```

☐ Select all For selected items: Please Select

FREE

☐ **Front Matter for Pipelines 2025: Planning and Design**

i-xv

Abstract

Alternate Project Delivery

FULL ACCESS

☐ **A Twist on Collaborative Delivery—Construction Manager at Risk Progressive Design**

Toby Flinn, Hugh Brightwell, Ron Mick, Alan Davis, Brian Beach, Tom Pruitt, Wayne Kory Kylo

NVDA Speech Viewer

- DOM tree explorer main landmark
- Page DOM tree view
- Pipelines 2025 | Books document
- main landmark
- clickable main landmark issue item checkbox check box not checked
- Pipelines 2025 | Books
- Select all items check box not checked
- issue item checkbox check box not checked
- Doi Link link
- Abstract collapsed same page link
- checkbox to select all issues in Alternate Project Delivery section check box not checked
- issue item checkbox check box not checked
- Doi Link link
- issue item checkbox check box not checked

☒ Show Speech Viewer on Startup

- 1.3.1.d Group Related Form Elements:

Links under "Edited by:" and "ASCE Book series" are not programmatically associated with their respective group labels.

The screenshot shows the ASCE Pipelines 2025 website. The page includes a header with the ASCE logo and the title "Pipelines 2025 Planning and Design". Below the header, there is a section "Edited by:" with two names, "Alisa Gruber, P.E." and "Ross Standifer, P.E.", each enclosed in a red box. A red line connects the "Alisa Gruber, P.E." box to a red box in the NVDA Speech Viewer overlay. Another red line connects the "Ross Standifer, P.E." box to another red box in the NVDA Speech Viewer overlay. The NVDA Speech Viewer overlay is open, showing a list of items with 14 items, including "ASCE Press link", "Council on Disaster Risk Management (CDRM)", and "Pipelines 2025 link". The overlay also shows a "Show Speech Viewer on Startup" checkbox, which is checked. The website content includes a "Conference Information" section with the dates "August 9–13, 2025 | Tampa, Florida" and a copyright notice "© 2025 American Society of Civil Engineers". There is also an "ASCE Book Series" section with a list of book series, including "ASCE Press", "Council on Disaster Risk Management (CDRM) Monographs", "Geotechnical Practice Publication (GPP)", "Geotechnical Special Publication (GSP)", "Infrastructure Resilience Publication (IRP)", "Lecture Notes in Mechanics (LNMECH)", "Manuals of Practice (MOP)", "Proceedings", "Society Special Publications", and "Standards". The "ASCE Press" item is enclosed in a red box. A red line connects the "ASCE Press" box to a red box in the NVDA Speech Viewer overlay.

9780784486368

Pipelines 2025
Planning and Design

Edited by:
[Alisa Gruber, P.E.](#)
[Ross Standifer, P.E.](#)

<https://doi-org.offcampus.lib.washington.edu/10.1061/9780784486368>

Conference Information
Pipelines 2025
August 9–13, 2025 | Tampa, Florida

© 2025 American Society of Civil Engineers

ASCE Book Series

ASCE Press
Council on Disaster Risk Management (CDRM) Monographs
Geotechnical Practice Publication (GPP)
Geotechnical Special Publication (GSP)
Infrastructure Resilience Publication (IRP)
Lecture Notes in Mechanics (LNMECH)
Manuals of Practice (MOP)
Proceedings
Society Special Publications
Standards

NVDA Speech Viewer

Ross Standifer link
<https://doi-org.offcampus.lib.washington.edu/10.1061/9780784486368>
list with 14 items ASCE Press link
Council on Disaster Risk Management (CDRM)
NVDA Speech Viewer
Show Speech Viewer on Startup checkbox checked
Pipelines 2025 | Books - Google Chrome window
Pipelines 2025 | Books document
link Council on Disaster Risk Management (CDRM)
Pipelines 2025 link
list with 2 items Alisa Gruber link
Ross Standifer link
<https://doi-org.offcampus.lib.washington.edu/10.1061/9780784486368>
list with 14 items ASCE Press link
☒ Show Speech Viewer on Startup

aria-label: issue item
Computed Proper
Name: "issue item"
aria-labelledby
aria-label: "i
From-label (wrap
Contents: Not sp
title: Not spec
Role: checkbox
Invalid user entry:
Focusable: true
Focused: true

5. Advanced Search Page

Source: <https://ascelibrary-org.offcampus.lib.washington.edu/search/advanced>

Test case: Test "Advanced search" page

ASCE | LIBRARY

Access provided by University of Washington Libraries

Search term(s)

JOURNALS BOOKS MAGAZINES AUTHOR CENTER COMMUNITIES TOPICS

Advanced Search

ADVANCED SEARCH CITATION SEARCH RECENT SEARCHES SAVED SEARCHES

Topic

Published in

Publication Date ☒ All Dates ☐ Last ☐ Custom Range

From

To

Search Tips

Boolean searches

You can use the Boolean Operators AND, OR, and NOT within search fields. By default, an AND relationship is assumed between search terms unless another operator is specified.

Searching for authors

To search for multiple authors, separate each author name with either AND or OR. Using AND will search for content that has been co-authored by the authors. Using OR will search for content that has been authored by either of the authors.

Searching for phrases

Enclose your search term with quotation marks to search for an exact match of that phrase. Without quotation marks, articles including all of the search terms somewhere in the article will be listed. For example, searching for "civil war" will find articles containing that exact phrase.

Wildcards

Use a question mark (?) in a search term to represent any one character and use an asterisk (*) to represent zero or more characters. For example, searching for Europe* will find results containing Europe and European. Wildcards cannot be used at the start of a search term or when searching for phrases in quotes.

DOIs

Search for DOIs using the format 10.1152/ajpcell.00334.2017 (do not add http://dx.doi.org.offcampus.lib.washington.edu).

ASCE | LIBRARY

American Society of Civil Engineers

1801 Alexander Bell Drive
Reston, VA 20191-4400
703-295-6300 | 800-548-2723

[f](#) [X](#) [in](#) [v](#)

TERMS & CONDITIONS | HELP | PRIVACY

SITEMAP | TERMS OF USE | FAQ | CONTACT US | ACCESSIBILITY & DEI | ABOUT ASCE PUBLICATIONS

Follow us

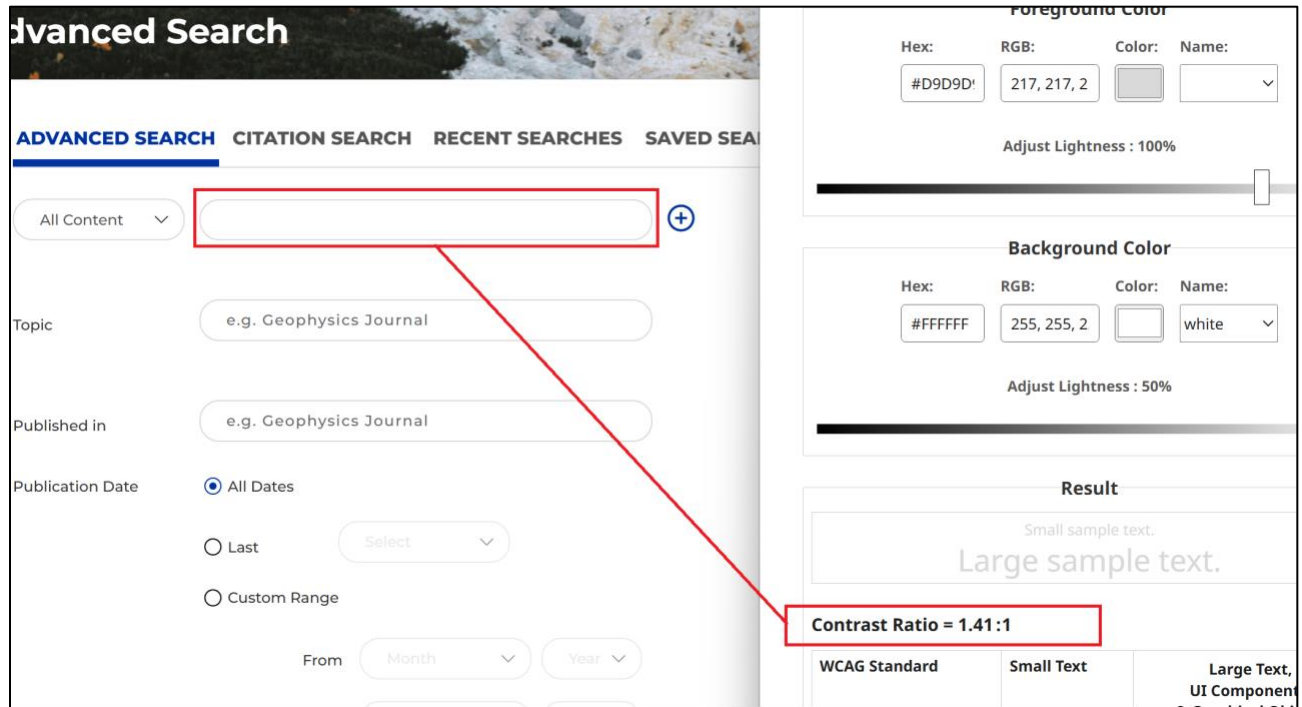
@ASCEPublishing | LinkedIn | YouTube

© 1996-2025 American Society of Civil Engineers. All rights reserved, including rights for text and data mining and training of artificial technologies or similar technologies.

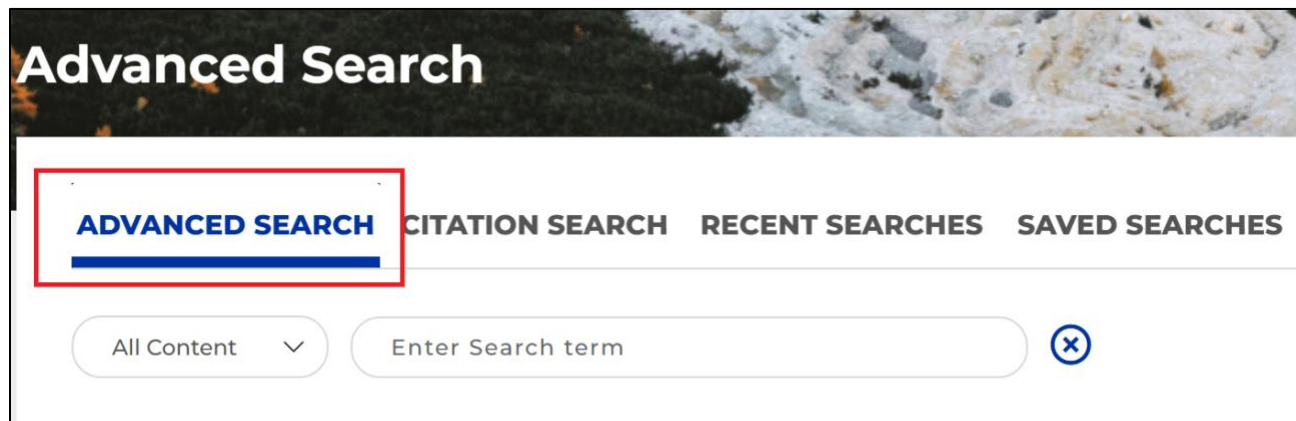
Automated findings using Axe: None

Additional manual findings

- **SC 1.4.11.a Non-Text Contrast – Active User Components**
The edit box next to the “All content” button does not have a minimum contrast of 3:1.



- **SC 2.4.7.a Focus Visible:**
 Keyboard focus is not visible on the tabs. “Advanced Search” and others.



- **SC 1.4.1.a Color as Information:**
 Only color is used to convey the selected state for drop-down items under “Topic” and “Published in” combo boxes. Color contrast ratio between selected and non-selected state is less than 3:1

Topic

Published in

Publication Date

geo

geo-risk

Geo-Engineering

Geo detic datum

Geo logical surveys

Geo logy

Geo hazards


Geo logical faults

To

Month

Hex: #EEEEEE

RGB: 238, 238, 2

Color: 

Name:


▼

Adjust Lightness : 100%

Background Color

Hex: #FFFFFF

RGB: 255, 255, 2

Color: 

Name: white

▼

Adjust Lightness : 50%

Result

Small sample text.

Large sample text.

Contrast Ratio = 1.16:1

WCAG Standard	Small Text	Large Text, UI Components
---------------	------------	---------------------------