

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

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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.

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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

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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.

COMMUNITIES ▾ TOPICS ▾ SUBSCRIBE

AUTHOR AFFILIATIONS

PDF

engineering structures subjected to underwater explosions (UNDEX)
se for air blast. This paper presents preliminary assessment of the
underwater explosions. The physical phenomena of underwater
is followed by a short summary on publicly available small-scale
ete columns subjected to UNDEX and used as benchmark in this
the experimental tests are compared with those obtained from
nification factors. The concrete damage plasticity (CDP) model used
mns in a finite element program and its calibration are discussed.

Formats available

he full content in the following formats:

VIEW PDF

Total Issues: 1

Elements must meet minimum color contrast ratio thresholds 1 ▾

Share Issue 1 of 1

Ensure the contrast between foreground and background colors meets WCAG 2 AA minimum contrast ratio thresholds

more information

Element Location: a[title="View PDF"] > span </>

PDF

To solve this problem, you need to fix the following:

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

Related Node

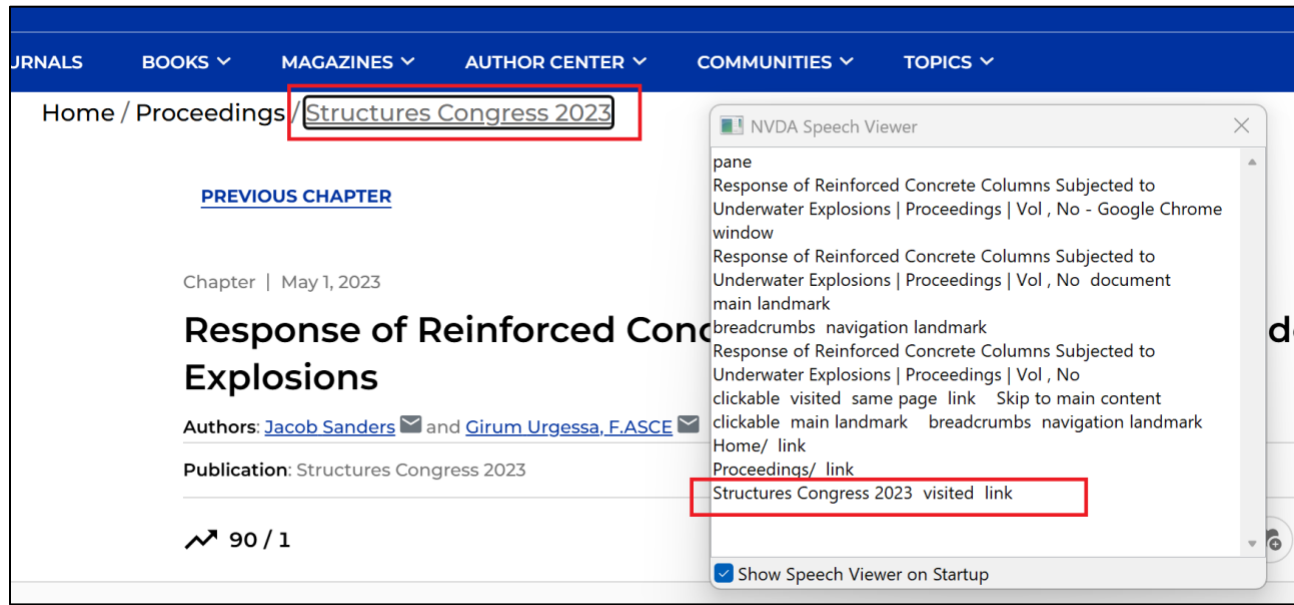
```
<a href="https://ascelibrary-org.of.fcampus.lib.washington.edu/doi/epdf/10.1061/9780784484777.001" class="btn btn--pdf" aria-label="View PDF" title="View PDF"><i aria-hidden="true" class="icon-PDF"></i><span>PDF</span></a>
```

Activate Windows
Go to Settings to activate Windows.

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.



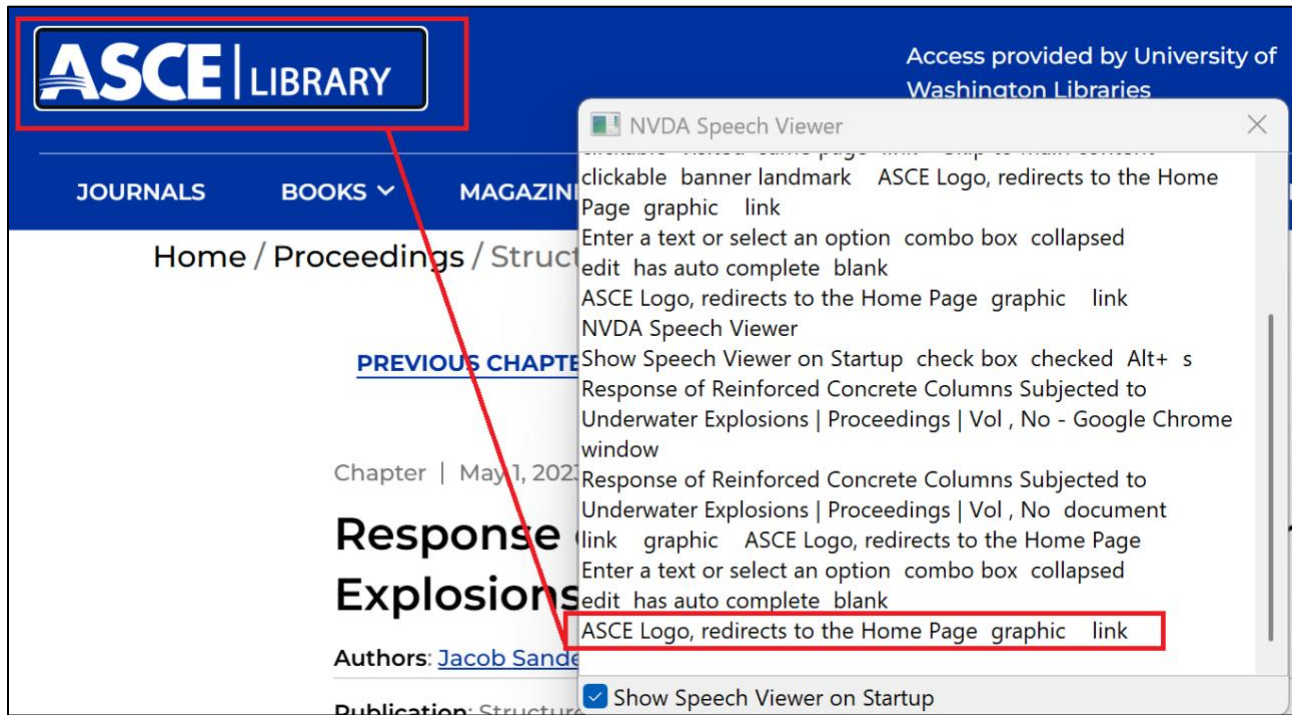
- **SC 2.4.7.a Focus Visible:**

Keyboard focus is not visible on the “search” button in the search box on the header

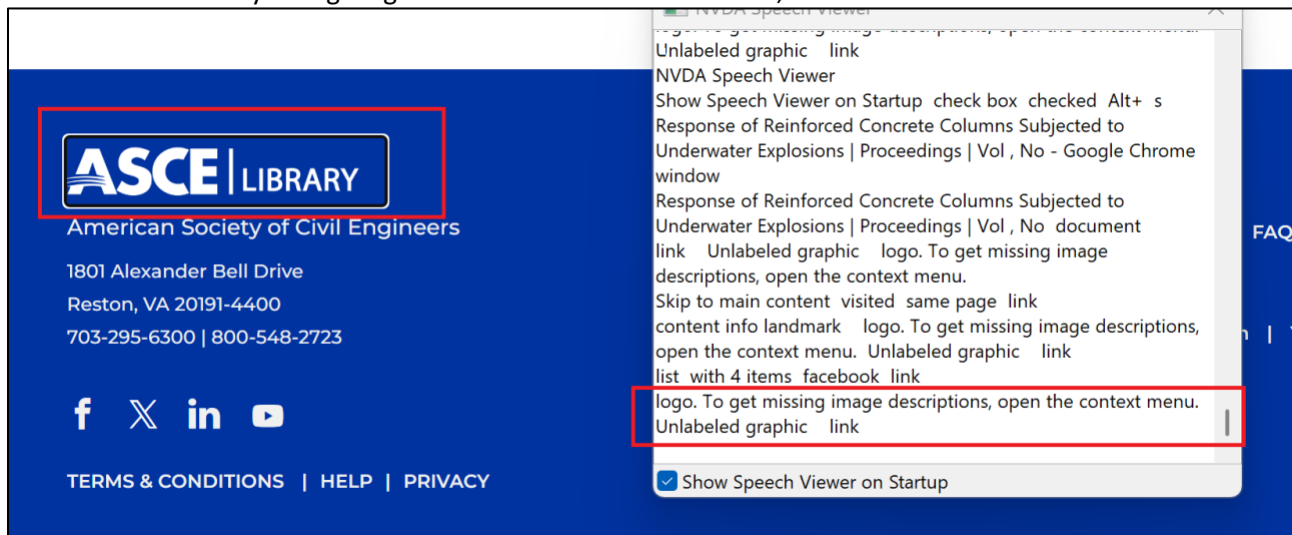


- **SC 1.1.1.a Alternative Text (Active images):**

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.

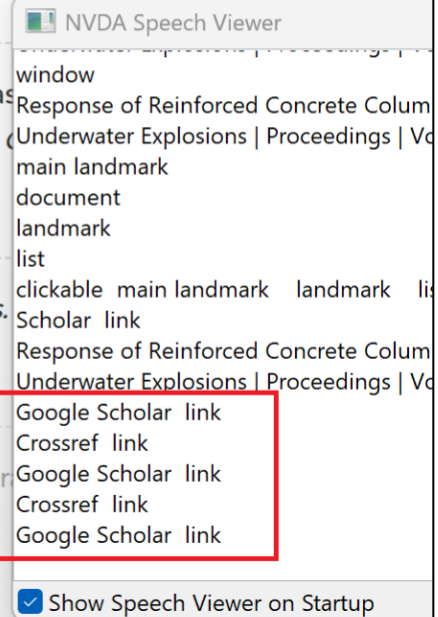
[Crossref](#) | [Google Scholar](#)

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

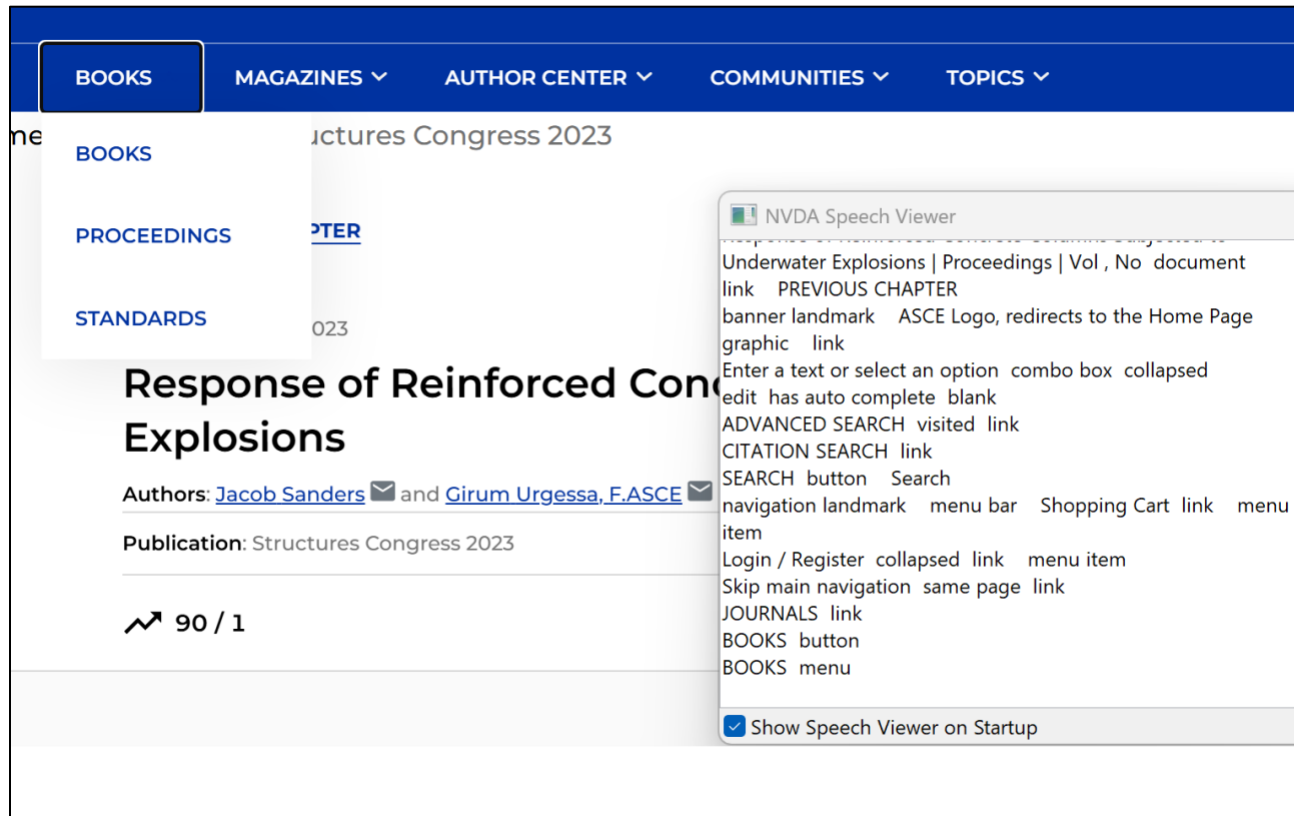
[Crossref](#) | [Google Scholar](#)

Collins, M. P., Mitchell, D., and MacGregor, J. G. (1993). Structural behavior of reinforced concrete beams under flexure. *ACI Structural Journal*, 90(4), 580–590.

[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.

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Browse Proceedings

TITLES

1 - 20 of 925 Titles

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925

PUBLICATION DATE

1984 2023

TOPICS

- Civil Engineering
- Construction Management
- Environmental Engineering
- Structural Engineering
- Transportation and Infrastructure Engineering
- Water Resources Engineering
- Geotechnical Engineering
- Construction Engineering
- More >

ASCE SPONSORS

- American Society of Civil Engineers
- International Association of Bridge Engineers
- International Association of Highway Engineers
- International Association of Water Resources Engineers
- International Association of Urban Engineers
- International Association of Environmental Engineers
- International Association of Geotechnical Engineers
- International Association of Construction Engineers
- International Association of Transportation Engineers
- International Association of Environmental Engineers
- International Association of Structural Engineers
- International Association of Mechanical Engineers
- International Association of Electrical Engineers
- International Association of Chemical Engineers
- International Association of Nuclear Engineers
- International Association of Astronautical Engineers
- International Association of Aerospace Engineers
- International Association of Marine Engineers
- International Association of Mining Engineers
- International Association of Metallurgical Engineers
- International

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

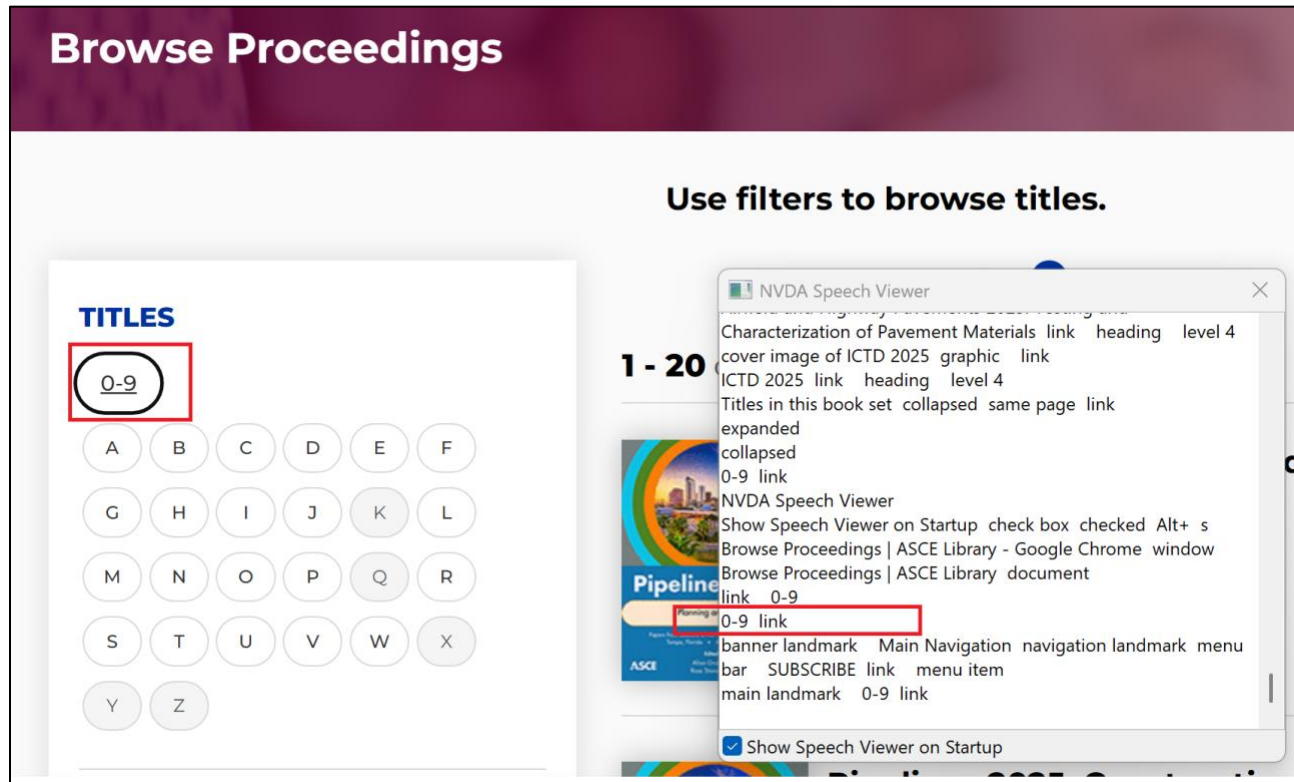
Construction Engineering

[More \(2\) ▾](#)

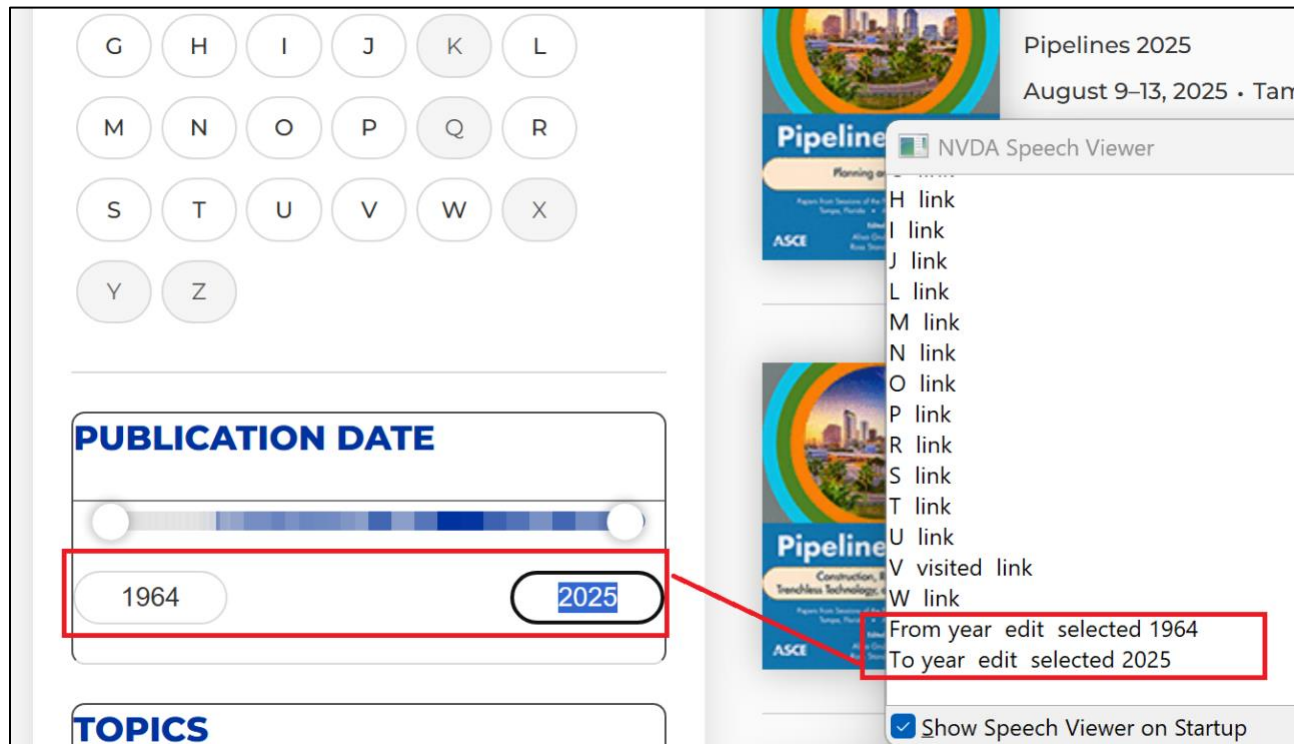
ASCE SPONSORS

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.

The screenshot shows the ASCE Library search results page. On the left, there is a navigation menu with a 'PUBLICATION DATE' slider and a 'TOPICS' list. The 'TOPICS' list includes: Geotechnical Engineering (298), Transportation and Urban Development Engineering (136), Structural Engineering (97), Environment and Water Resources Engineering (96), and Construction Engineering (85). A red box highlights a search filter input field, with a red arrow pointing to the accessibility overlay. The overlay displays color and contrast analysis for the foreground and background colors. The foreground color is #D9D9D9 (217, 217, 2) and the background color is #FFFFFF (255, 255, 2). The contrast ratio is 1.41:1. The overlay also shows a 'Result' section with sample text and a table of WCAG Standard results.

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 with a search for "underwater explosion". The page features 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 text "underwater explosion" and a green search icon. Below the search bar, the results are displayed on a white background. On the left, there is a sidebar with "APPLIED FILTERS" including "Structures Congress 2023", "ARTICLE TYPE" (Chapters/Proceedings Papers, Front Matter), "AUTHOR" (Sanders, Jacob, Urgessa, Girum), "PUBLICATION" (Proceedings), and "PUBLICATION DATE" (2023). The main content area shows "1 - 2 of 2 result for 'underwater explosion'" and a "Refine Search" button. Two results are listed: "Response of Reinforced Concrete Columns Subjected to Underwater Explosions" and "Front matter for Structures Congress 2023". Each result has a "FULL ACCESS" button and links to "ABSTRACT" and "PDF/EPUB". The footer contains the ASCE Library logo, contact information, social media links, and a copyright notice.

ASCE | LIBRARY

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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

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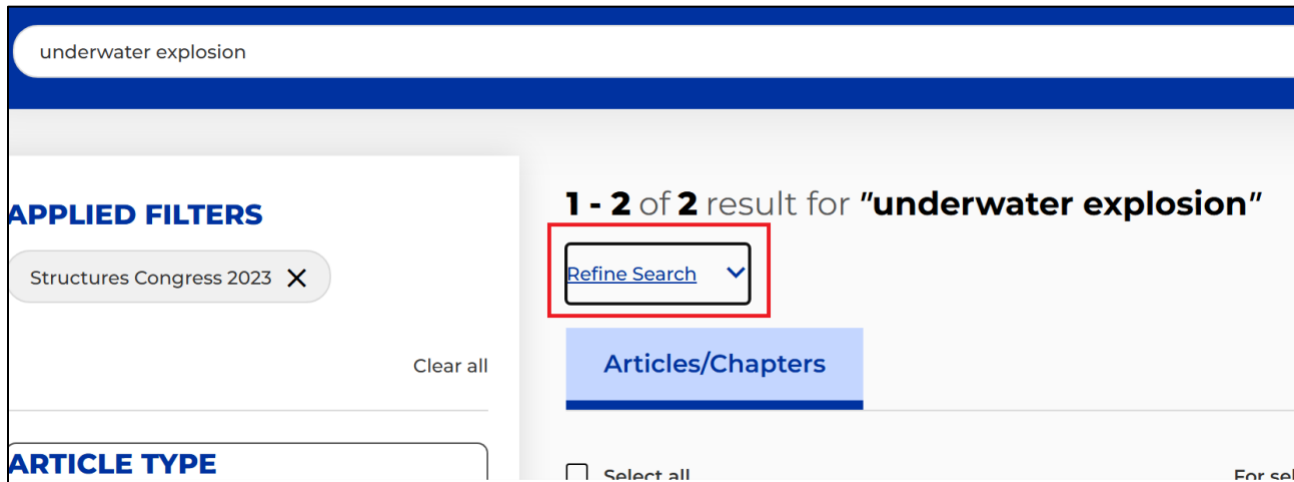
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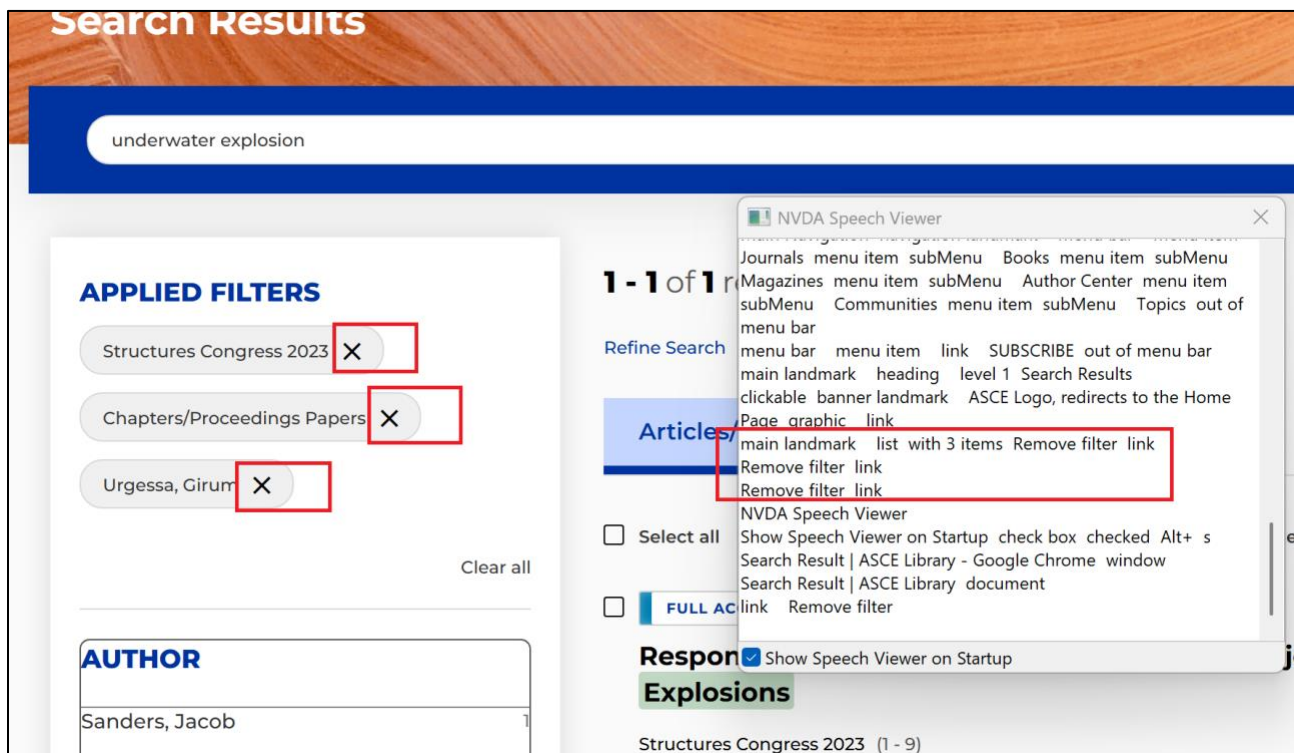
Automated findings using Axe: None

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 and an "Abstract" link. The first article is titled "Response of Reinforced Concrete Columns Subjected to Explosions" and the second is "Front matter for Structures Congress 2023". 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 speech viewer 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

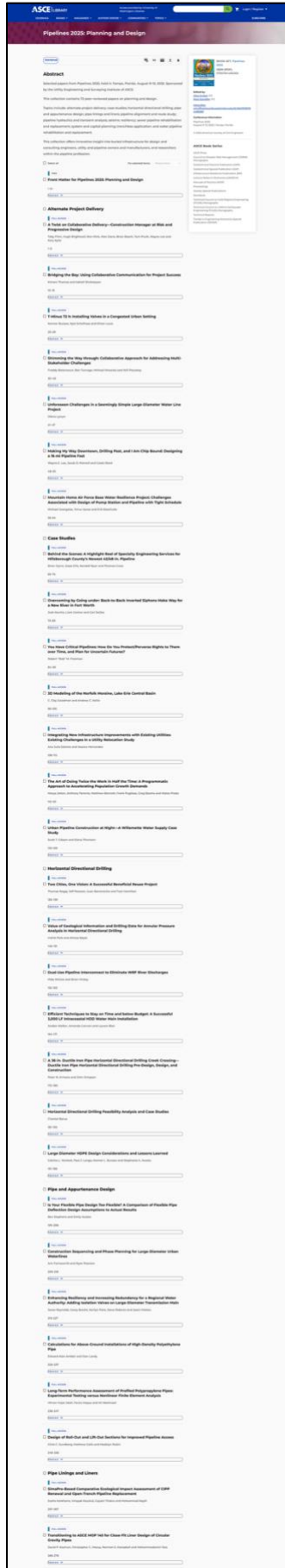
issue item checkbox check box not checked

☒ 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.

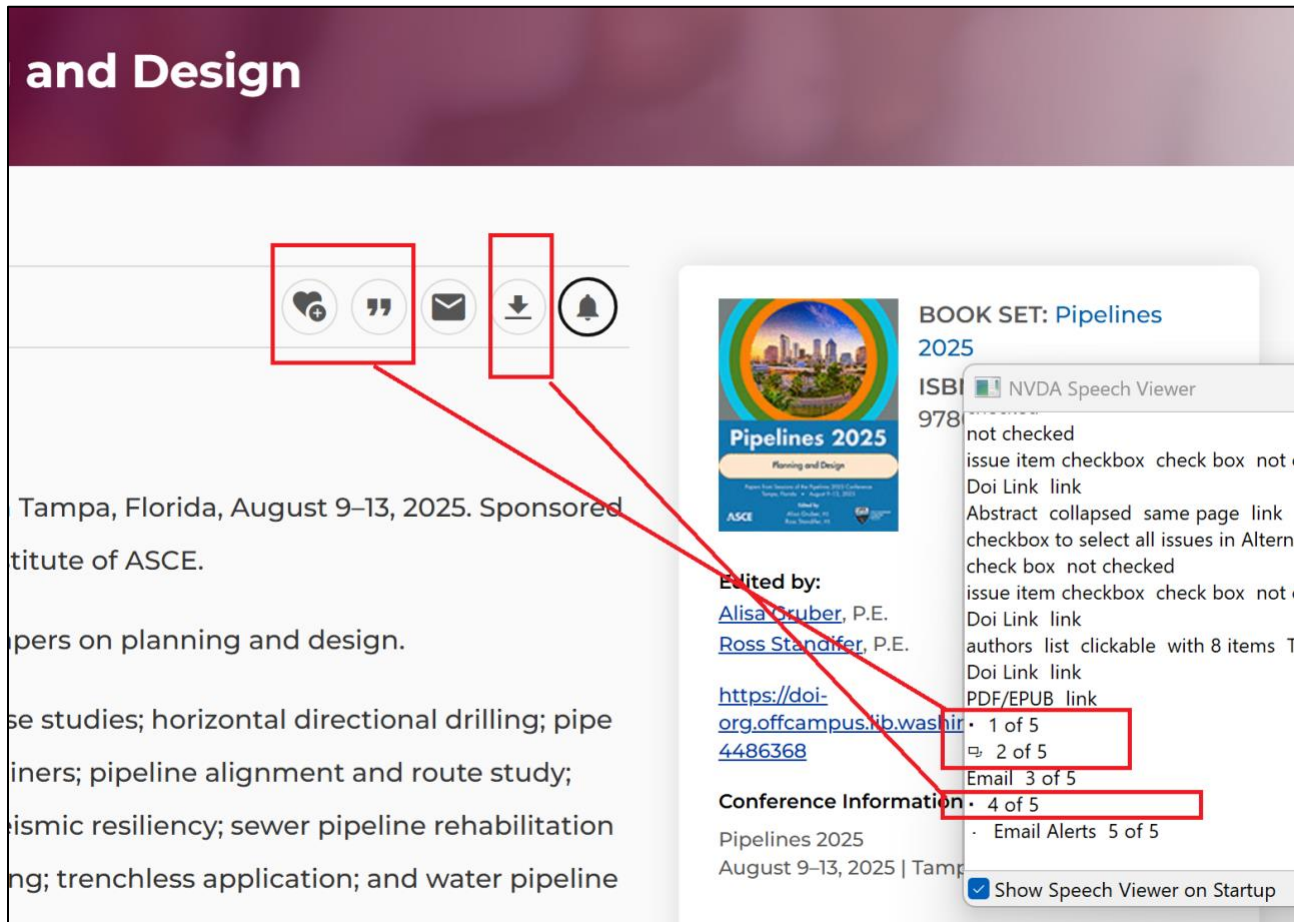


Automated findings using Axe: None

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 "Ross Standifer, P.E." box to a red box in the NVDA Speech Viewer overlay. The NVDA Speech Viewer overlay is open, showing a list of items. A red box highlights a list item "list with 2 items Alisa Gruber link Ross Standifer link". Another red box highlights a list item "list with 14 items ASCE Press link". The ASCE Book Series section is also visible, with a red box highlighting the "ASCE Press" link. The ASCE Book Series list includes: 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.

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

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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 check box 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: "issue item"
aria-label: "issue item"
From-label (wrapped)
Contents: Not specified
title: Not specified
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).

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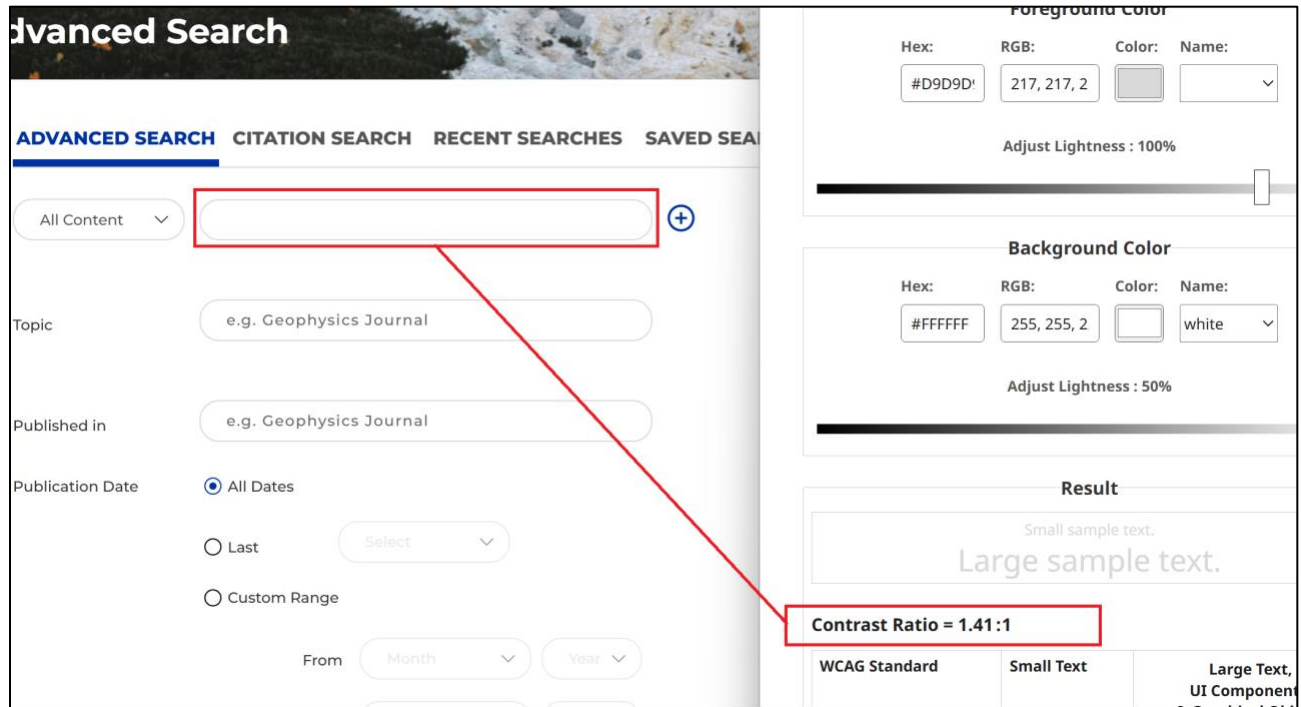
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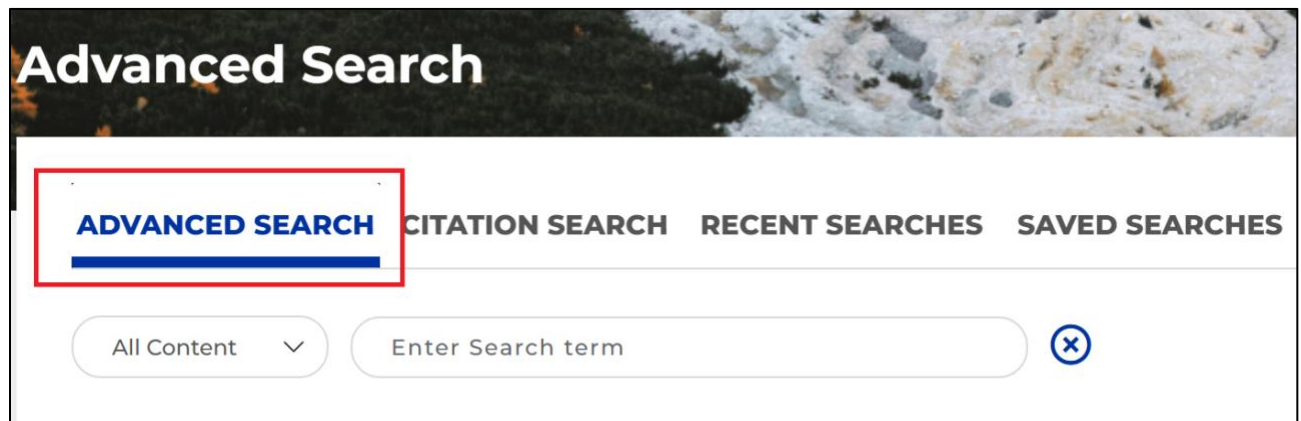
Automated findings using Axe: None

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
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