POLICE.MIT.EDU **USER EXPERIENCE AUDIT**

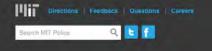
Content First

User Experience & Design

Muzi Meng Nancy Gift Jan De Wilde Ben Ferreira



Emergency (617) 253-1212 100 from any MIT phone





MIT POLICE

The MIT Police mission is to deliver total quality service to all the members of our community. We focus on a safe academic environment as well as emergency medical service 24 hours a day, 7 days a week all year long. We provide these vital services through our EMT certified officers in cruisers, on motorcycles, bicycles, and foot patrols. Your needs are our dedication and commitment to service.

TWITTER



MIT Police @MITPolice

RT @IRSnews: Scammers often pretend to be #IRS, even using the Video Relay Service to #scam #deaf & #hardofhearing taxpavers. https://t.co/3vd4LWuxUS

MIT Police @MITPolice

We'd like to report some lost property - snow! We're loving to patrol on this sunny, warm February day at #MIT https://t.co/bSnhW7ZURJ

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RT @LASDHQ: We offer our deepest condolences to our good friends at @CHP_HQ for the loss of Officer Chellew, Another tough week... https://t.co/0WgbbnwdAN

VIEW ALL TWEETS A



Collier Meda

2017 Officer Sean Collier Self Sponsor Scholarship

How to Report a Crime

Register a Bike

Learn about Crime Prevention

Report an Accident



OFFICER SEAN COLLIER

Please stop by officer179.mit.edu if you would like to leave us a message or memory of/to Officer Collier.

https://www.youtube.com/watch?v=5d-NP2PIGA8 High def time-lapse video of the memorial service; taken by



2016 MIT Annual Security & Fire Safety Report



Massachusetts Sex Offender Registry



MIT Police Bulletins



MIT Police Station

Cambridge, MA 02139

Detail Office

(617) 253-9754 please use TRS (711)



(617) 258-8477

(617) 253-2996



REDESIGN vs REFACTOR

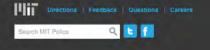
The scope of this deck is to share usability findings about specific aspects of the police.mit.edu website. Focusing on key areas of user interaction, content consumption and value creation.

An immediate improvement to the site will be noticed if these concerns are addressed:

- 1. How content is discovered.
- 2. Consistent designs applied site wide.



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WHAT WORKS

Briefly...

MIT Police Dept. has a distinctive brand. Colors, purpose, and helpful content is present.

Great brand photography adds a human face to the department.

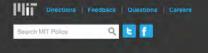
Design still ties in with the parent MIT brand.

Works on many devices with responsive techniques.

Noted a few modern interface practices (2011+)



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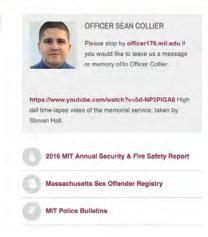


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"Run, Hide, Fight", Active Shooter Training Collier Meda 2017 Officer Sean Collier Self Sponsor Scholarship How to Report a Crime Register a Bike Learn about Crime Prevention Report an Accident





VIEW ALL TWEETS A

(617) 253-2996





Cambridge, MA 02139

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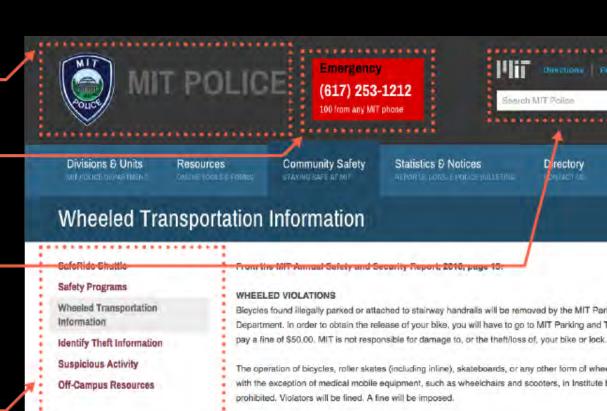
WHAT DOESN'T WORK

Briefly...

Flow: Content discovery is confusing. Link duplication doesn't fix the confusion, and only adds to the "choice overload."

Structure: Page content structure is not well defined. Placement of copy, images, and links are confusing. Discoverability of key items is obscured.

Navigation: A heavy reliance on linking between pages has the user bouncing around to find the desired content. Navigation is clunky.



As a cyclist it is your responsibility to know the rules of the road.



The following is a summary of Massachusetts General Laws and Cambridge ordinances concer Click here to read the bicycle laws http://www.bostonbikes.org/resources/bike-lews/

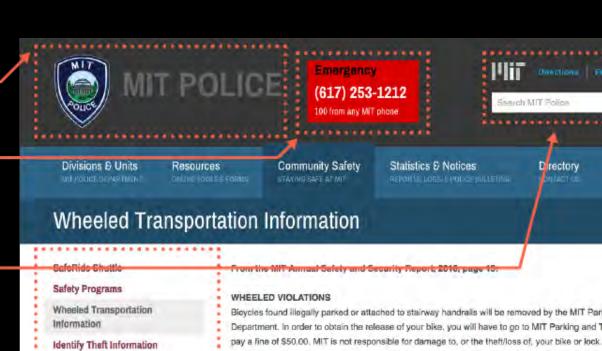
 All bicyclist must obey all traffic laws of the Commonwealth of Massachusetts including recrosswalks and riding with traffic.

WHAT DOESN'T WORK cont.

Style: Page style elements are inconsistent making it hard to differentiate certain elements from each other. Screen is filled but, useful content isn't present.

Discoverability: Confusing segmentation of content makes it hard to find out exactly which content the MIT Police think is a priority.

Accessibility: We tested the site for ease of use with screen readers and basic inclusive techniques. There are key issues that need to be addressed.



The operation of bicycles, roller skates (including inline), skateboards, or any other form of whe

with the exception of medical mobile equipment, such as wheelchairs and scooters, in Institute

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prohibited. Violators will be fined. A fine will be imposed.

crosswalks and riding with traffic.

As a cyclist it is your responsibility to know the rules of the road.

Suspicious Activity

Off-Campus Resources

Recommendations

- 1. Clean up the header section of the site: Refine top header to take up less vertical space and transition smoothly. At the same time address accessibility concerns.
- 2. **Refactor Navigation Patterns:** Make your page content easier to discover. Refine existing navigation to be more easy to use and address accessibility concerns.
- 3. Make images matter on the page: Make sure the right image is used for the story told on a page. Reduce amount of visual space images use while increasing their utility and delight.
- **4. Make page structure more natural to read:** Structure pages with clear calls to action and purpose. The layout needs to drive users to their goals with the least amount of distraction possible.
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Fastest to Impact Slowest to

Impact

FLOW

Wayfinding the site: The Home page acts as the first place for content discovery. It is observed that the navigation, links, and calls to action on a page do not guarantee easy access sitewide.

Sitewide but important on homepage: The header, tab row and large images are overwhelming at first glance. Content is pushed off the screen (below the fold).

At the page level: While navigating to specific Nav items, the page that loads tends to be sparse. When a destination page is filled with content, its structure is "airy," that is low density content. Pages then become small chunks of quickly consumed content, at times leading the user to click elsewhere to discover more relevant content. (see Bike Registration example)



MIT POLICE

Emergency

(617) 253-1212

100 from any MIT phone

Divisions & Units
MIT POLICE DEPARTMENT

Resources

ONLINE TOOLS 8 FORMS

Community Safety

STAYING SAFE AT MIT

Statistic REPORTS.

Special Services Division

Chief's Welcome

Patrol Division

Special Services Division

Investigation Unit

Executive Protection Unit

Crime Prevention Unit

Administrative Division

Honor Guard

Department History

The Special Services Division encompasses two unit carries out the investigatory functions of the division conducting preliminary and follow-up investigations. cooperate with other law enforcement agencies in the provides MIT community members with procedural arresponsible for investigating sensitive crimes, including harassment.

The Crime Prevention Unit helps educate MIT com and themselves.

FLOW

External links abound: Many categorically important links are external. In some cases this may be unavoidable given MIT's silos, but from a visitor's perspective it leaves a negative impression.

How content is consumed: The site uses a traditional front-page > linking Mega Menu Nav > page > sub-page drill down. The current template structure requires a lot of click-thru to discover the contents of each section. Each Nav item is a category or topic, with unclear distinction.

We found that content discovery happens not at the NAV dropdown, but instead an errant click down into a Nav Link. A quick perusal then a click back either in the Nav or the sub-nav present at each page. This duplication, while designed as an affordance, exposes a lack of clarity in site organization.



MIT HISTORY

MIT Police

History Organization Timeline

MIT Security Force

The MIT Police originated in 1957 as a part of the Division of Sponsored Research (DSR). Prior to the creation of the

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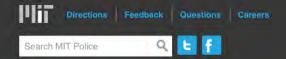
The Crime Prevention Unit helps educate MIT com

STRUCTURE

Parts of the page: While the content model is logical, the over reliance on small pages as the main consumable item (the thing being read) creates small chunks of disconnected content, hurting discovery.

Clarity issues: Content structure is hard to understand, partly due to how many clicks it takes to find content.





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Judith Freeman, the Manager of Finance and Administration, oversees the department budget. Jan Barca, the Financial Assistant, works with Judith and processes the weekly payroll and department purchases



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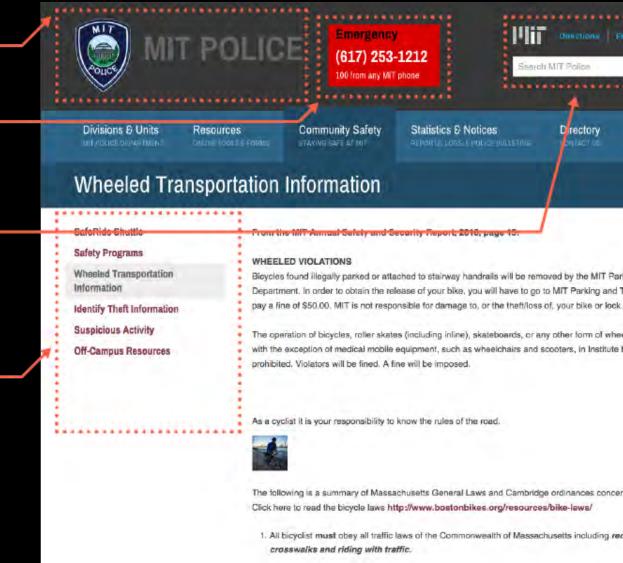




STRUCTURE cont.

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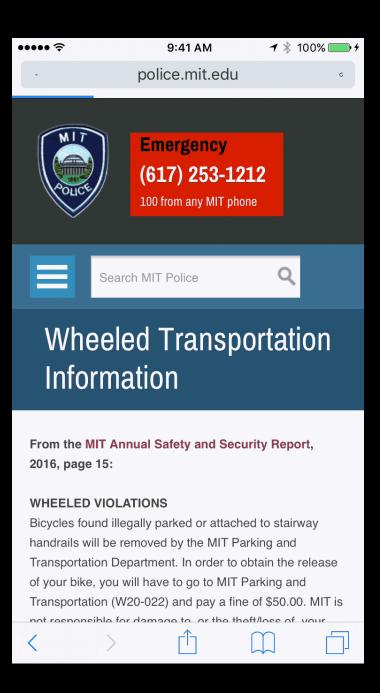
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Main Navigation with Dropdown:

Collapses on mobile to a dropdown triggered by a hamburger style button. Some main pages are not accessible on mobile viewports.

Top Utility Nav: Gone on mobile, the search bar constrains itself to the Main Nav (doesn't work in iOS 10), MIT logo and Utility Nav which go to low information pages. This creates an over-abundance of click steps.



Footer Nav Utility: Besides a benign map image that is a link to the directions link, the footer serves its purpose of looping user thru the site. This is necessary to help lost users find their way back into the flow. The fact that key phone numbers are here is good. But it feels lost around the many other links and details. We suggest keeping the footer focused on directions and emergency contacts.



- Store this information in a safe place that is quickly accessible if the items are stolen.
- Report suspicious people any hour of the day to the MIT Police at 100 or 3-1212

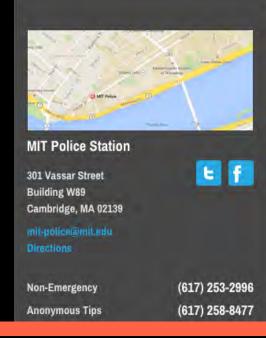


Fig. 1

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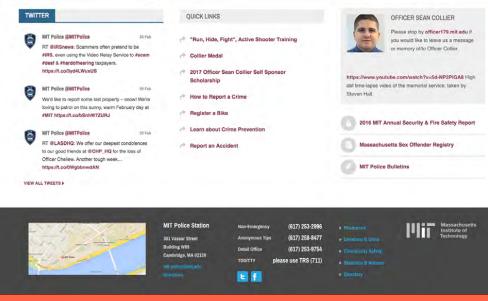


Fig. 2

Side Nav within Content Pages: Added as a secondary method of accessing different content pages, it is constrained to specific page category and changes based on the user's current location. In practice it acts as a band aid to solve the problem of fragmented content.





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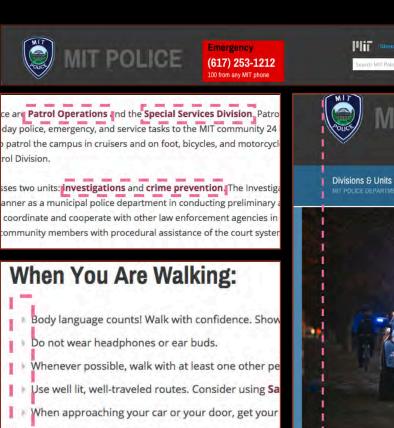


STYLE

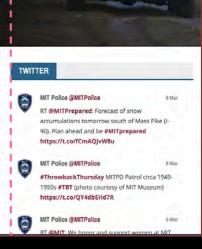
Overall: Branding is effective, but its presentation has issues.

Inconsistencies noted:

- 1. Header and Footers
- 2. Alignment of page elements
- 3. Color and contrast
- 4. Icons
- 5. Links in content
- 6. Bullets and numbering
- 7. Gallery Formats
- 8. Image placements



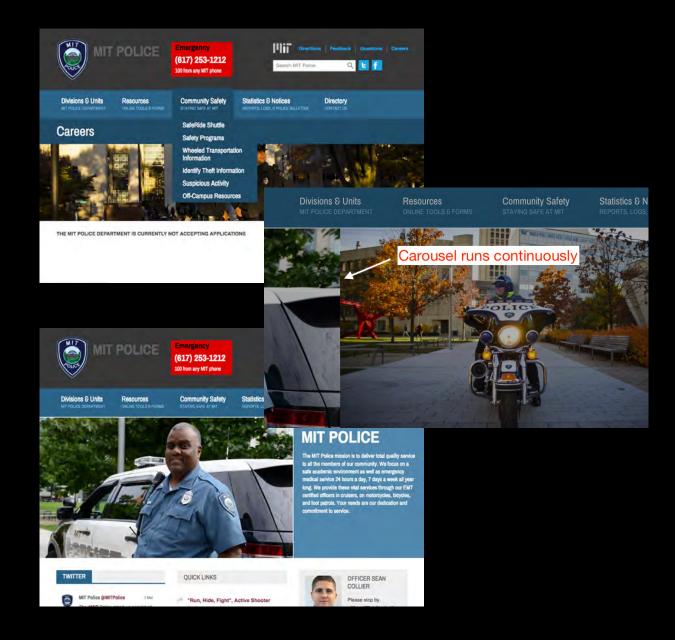




STYLE

Images without purpose: The way images are used distracts from the quality of the images themselves.

Carousel animation of 10 images is distracting: While it is possible to stop the animation by manually clicking on the image a couple of times, but there is no affordance for this functionality. On small screens viewing site images push content off screen.

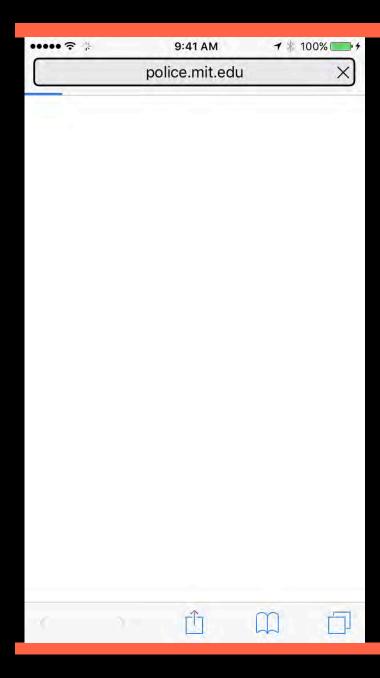


ACCESSIBILTY

Endless Loops for screen readers: Many of the elements on the page don't have the basic accessibility affordances. Some elements force the user into a loop.

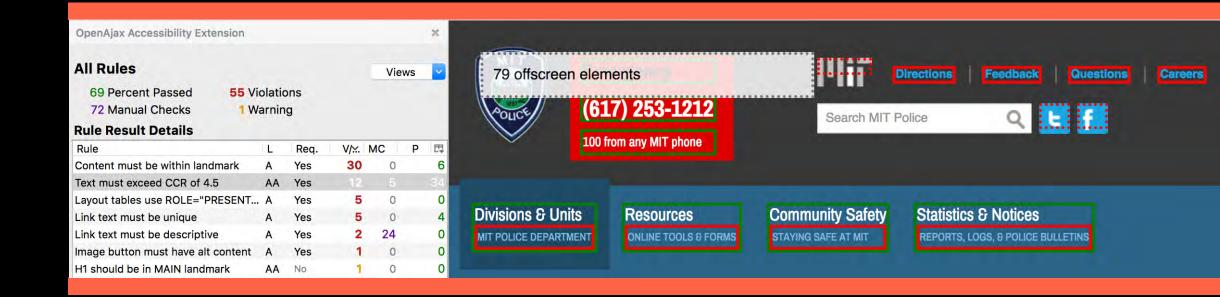
Screen Reader accessing unseen content:
Parts of the navigation are accessed on collapse. Which may or may not be intended, but may add many of steps to the consumption of the main content of the

page.



ACCESSIBILTY

Color Contrasts: White on blue font appears too condensed; difficult to read. Reverse text fuzziness (halation) is an issue for 50% of the population. Legibility is poor for gray text on gray background, blue text on gray background, and on the areas with blue text on blue background.



RECOMENDATIONS

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Fastest to Impact

Slowest to Impact

FIOW

MIT Police Site Audit Project 17a - March 10, 2017

```
police.mit.edu
| {{ Main Nav }}
|- divisions-units [no show mobile]
| |- chiefs-welcome
| |- patrol-division
| |- special-services-division
      |- investigation-unit
      |- executive-protection-unit
      |- crime-prevention-unit
  |- administrative-division
| |- honor-guard
| |- history [broken]
|- resources [no show mobile]
| |- report-crime-or-accident
| |- bike-registration
| |- clery-offense-reporting-information-and-
      reporting-forms
| |- event-detail [url?]
   |- fingerprinting-service
   |- anonymous-sexual-assault-form
| |- criminal-history-request-cori
   |- sexual-offender-registry
```

MIT Police Site Audit Project 17a - March 10

MIT Police Site Audit Project 17a - March 10, 2017

```
| {{ Secondary Utility Nav }}
|- directions
|- feedback
|- questions
|- careers
|
| {{ Quick Links }}
|- Run, Hide, Fight, Active Shooter Training [external]
|- Collier Medal [non nav accessbile]
|- 2017 Officer Sean Collier Self Sponsor
    Scholarship [non nav accessbile]
|- How to Report a Crime [Nav accessible]
|- Register a Bike [Nav accessible]
|- Learn about Crime Prevention [Nav accessible]
|- Report an Accident [Nav accessible]
```