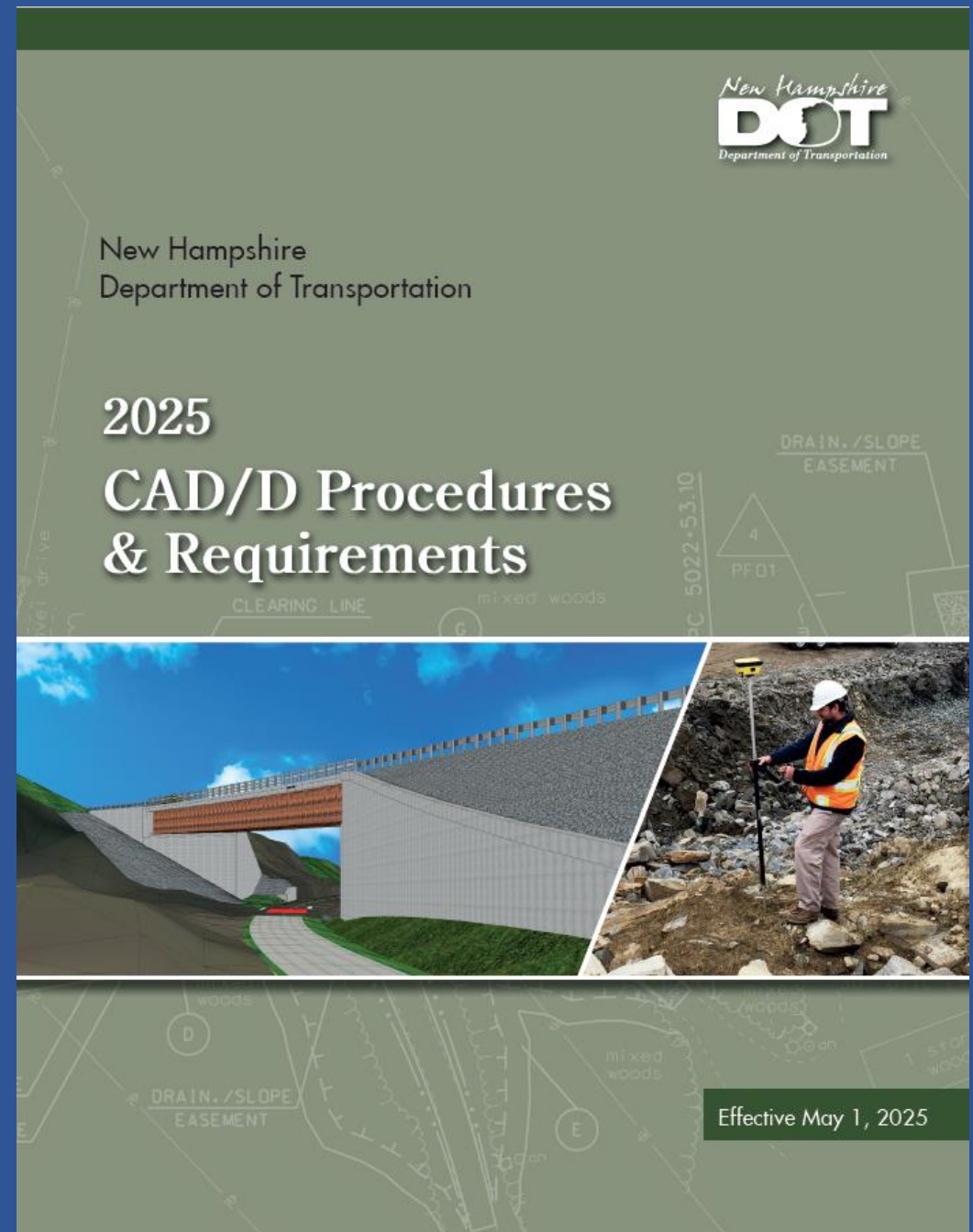


NHDOT CAD/D Update

Bill Caswell

CAD/D Section
Supervisor

April 16, 2026



Welcome!

CAD/D Support Staff

Highway Design

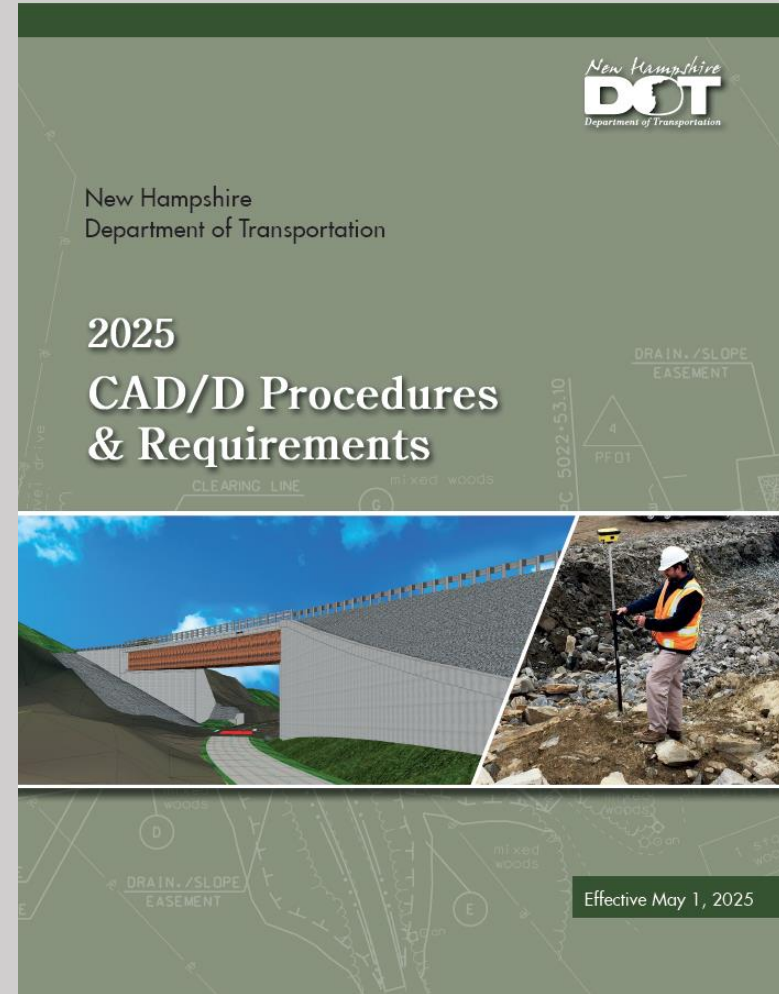
Bill Caswell – William.Caswell@dot.nh.gov

Bridge Design

Aaron Janssen – Aaron.C.Janssen@dot.nh.gov

CAD/D Standards

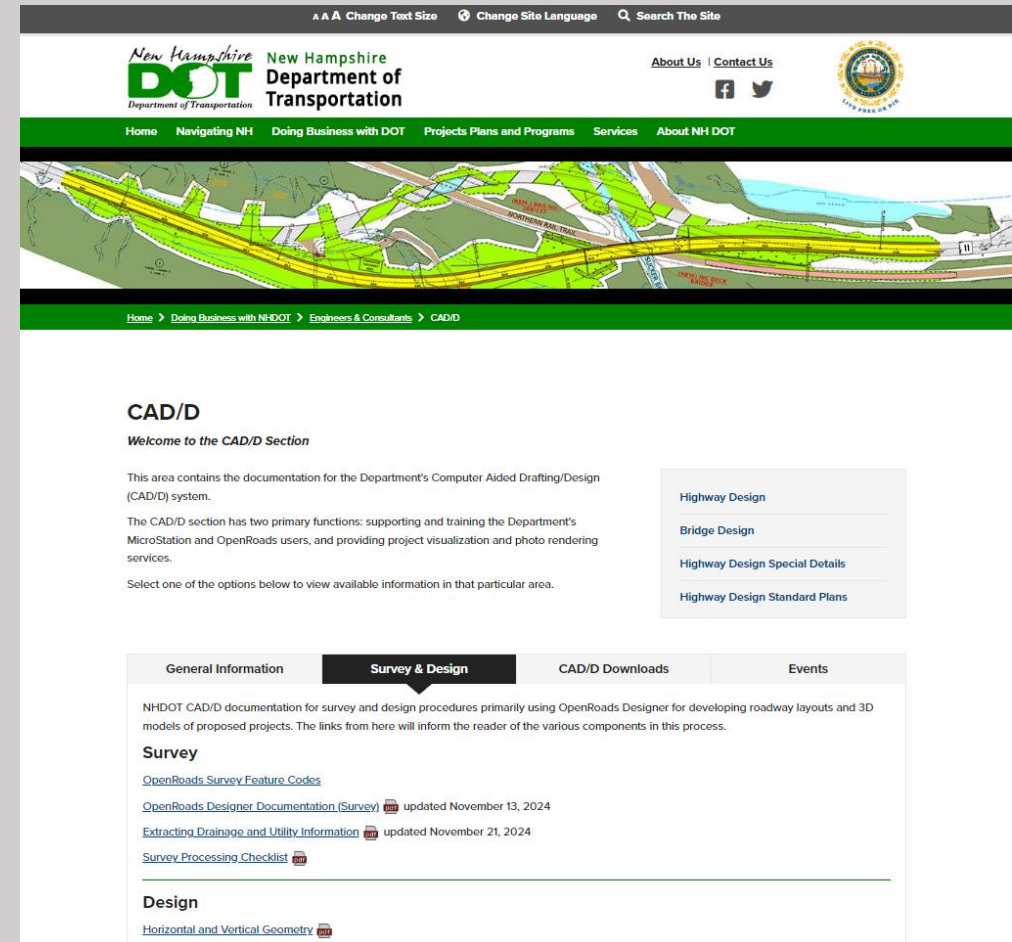
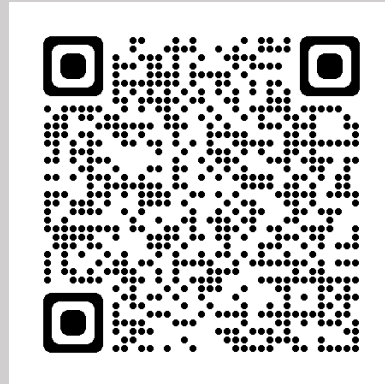
- Latest edition - 2025 (effective May 1, 2025)
- For In-House and Consultant design projects
- Moving towards 3D Design deliverables for Construction
- Looking to deploy OpenRoads 2025 update 1 by the end of April



CAD/D Documentation

CAD/D documentation is on the NHDOT website

Documentation is always being updated



The screenshot shows the NHDOT website's CAD/D section. At the top, there is a navigation bar with the NHDOT logo, the text "New Hampshire Department of Transportation", and links for "About Us" and "Contact Us". Below this is a green navigation menu with items like "Home", "Navigating NH", "Doing Business with DOT", "Projects Plans and Programs", "Services", and "About NH DOT". The main content area features a large 3D rendering of a highway interchange. Below the rendering is a breadcrumb trail: "Home > Doing Business with NHDOT > Engineers & Consultants > CAD/D". The "CAD/D" section is titled "Welcome to the CAD/D Section" and contains introductory text about the system. To the right, there is a sidebar with a list of links: "Highway Design", "Bridge Design", "Highway Design Special Details", and "Highway Design Standard Plans". At the bottom, there is a tabbed interface with "Survey & Design" selected, showing a list of documents under "Survey" and "Design" with their respective update dates.

www.dot.nh.gov/doing-business-nhdot/engineers-consultants/cadd/

File Transfer Process

Why Change?

- Security concerns with shared FTP account.
 - Password freely shared with all parties
 - No way of tracking who is accessing the data
 - Box.com is more secure
- Licensed box.com user(s) manage folders and access
 - Links to folders or individual files shared with those who need access
 - Links expire eliminating unlimited access

Licensed User View

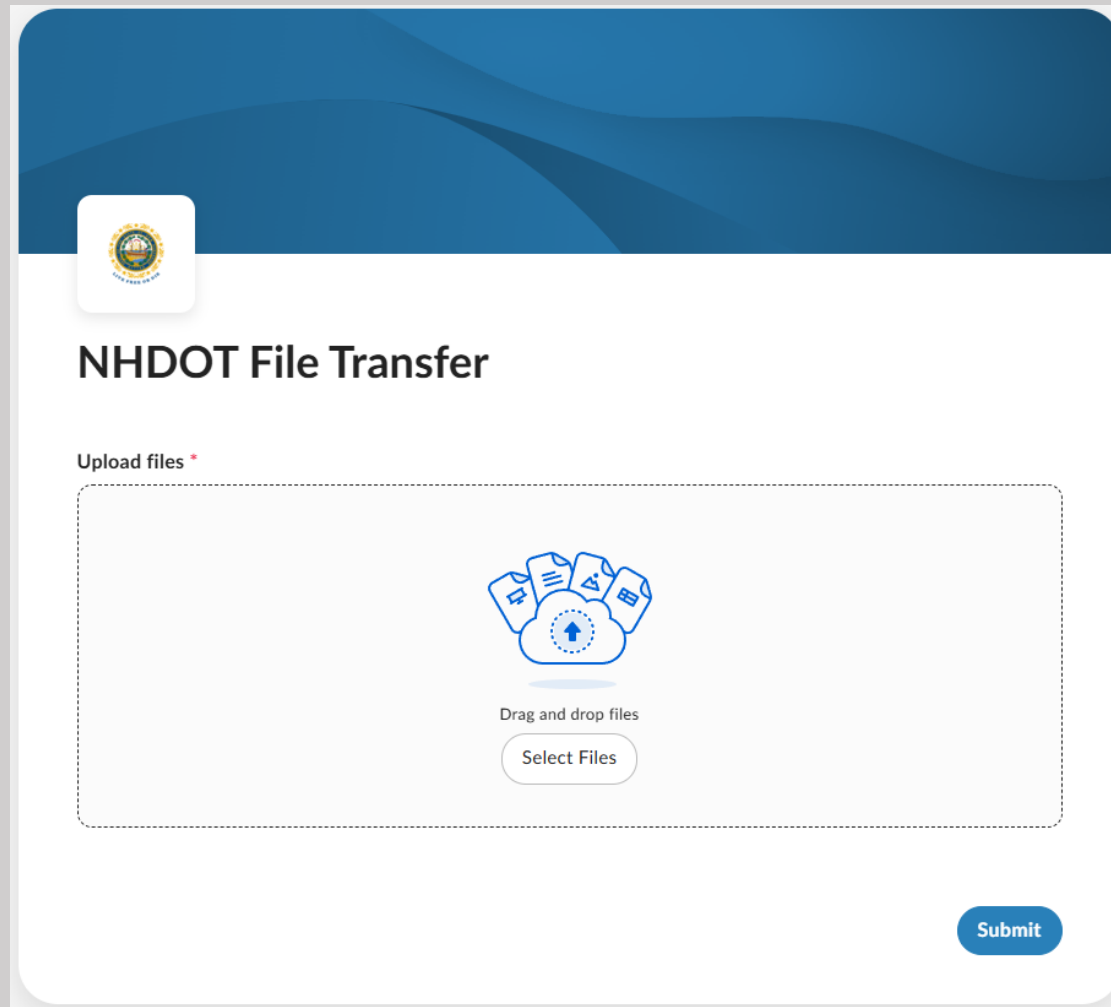
The screenshot shows the Box web interface. On the left is a sidebar with navigation options: Files, Sign, Relay, More, Collections, and Favorites. The main area displays a search bar and a breadcrumb path 'Files > Highway-Design'. Below this is a table of folders with columns for Name, Updated, and Size. To the right of the table is a sharing panel with user avatars and roles.

NAME	UPDATED ↓	SIZE
Statewide 48641	Mar 4, 2026 by Someone	5 Files
Nashua-Merrimack-Bedford-13761C	Mar 4, 2026 by Bill Caswell	3 Files
Loudon-29613C	Feb 23, 2026 by Bill Caswell	10 Files
Windham-40663	Feb 16, 2026 by David Burhans	11 Files
Bow-Concord-13742	Feb 13, 2026 by Bill Caswell	230 Files
Moultonborough-42602	Feb 13, 2026 by Bill Caswell	0 Files
Moultonborough-41581	Feb 13, 2026 by Bill Caswell	0 Files
Alstead-43566A-B-FTP	Feb 9, 2026 by Someone	1 File
Keene-41590	Feb 4, 2026 by Barbara Ransom	0 Files

Sharing

- SS SoNH Box Support Owner
- BC Bill Caswell Editor
- DR David Rys Co-owner
- BR Barbara Ransom Editor
- AC Aaron Colon Editor
- Shared Link: Public and accessible to anyone with the link
- File Request Enabled

File Upload



The image shows a web interface for file upload. At the top left is the NHDOT logo. Below it is the title "NHDOT File Transfer". Underneath is the text "Upload files *". A large dashed rectangular box contains a central icon of a cloud with an upward arrow and several document icons around it. Below the icon is the text "Drag and drop files" and a button labeled "Select Files". At the bottom right of the interface is a blue button labeled "Submit".

Sharing Folder to Download

The screenshot shows a OneDrive folder named "Statewide 48641" with a download icon in the top right. The folder contains five MP4 files, all updated on Mar 4, 2026, by File Request, with sizes ranging from 858.8 MB to 858.9 MB. A yellow warning box states: "This shared link will be disabled on Apr 4, 2026." The right sidebar shows folder properties: Owner SoNH Box Support, Enterprise Owner NHDOIT, Created Mar 4, 2026, 3:44 PM, Modified Mar 4, 2026, 3:54 PM, and Size 4.2 GB (5 Files).

NAME	UPDATED ↓	SIZE
MIOP001487_2025_11_03-0700.00007.mp4	Mar 4, 2026 by File Request	858.9 MB
MIOP001487_2025_10_31-0700.00007.mp4	Mar 4, 2026 by File Request	858.8 MB
MIOP001487_2025_10_28-0700.00007.mp4	Mar 4, 2026 by File Request	858.9 MB
MIOP001487_2025_10_30-0700.00007.mp4	Mar 4, 2026 by File Request	858.9 MB
MIOP001487_2025_10_29-0700.00007.mp4	Mar 4, 2026 by File Request	858.9 MB

Details

This shared link will be disabled on Apr 4, 2026.

Folder Properties

Owner
SoNH Box Support

Enterprise Owner
NHDOIT

Created
Mar 4, 2026, 3:44 PM

Modified
Mar 4, 2026, 3:54 PM

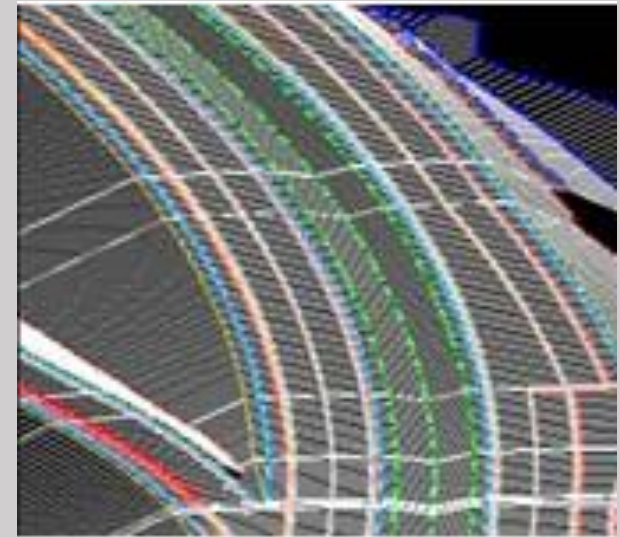
Size
4.2 GB
5 Files

NHDOT Website - ADA Compliance

As of February 13, 2026, all new content posted on the NHDOT outward-facing website needs to be ADA compliant

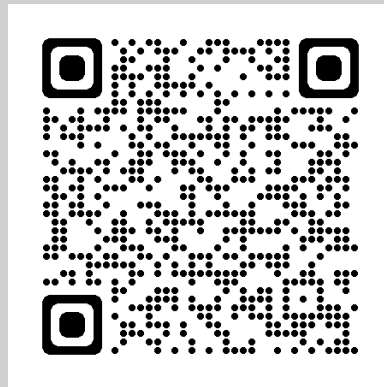
ADCMS Grant for Advancing Digital Model Delivery

- \$3.2M grant awarded to:
 - Develop new survey and design standards.
 - Develop procedures for project data to move seamlessly from Survey through Design and Construction to Asset Management.
 - Define pilot projects.
 - Develop project management and contract management standards with construction inspection standards for digital delivery.
 - Procure advanced field equipment to enhance current inspection tools.
 - Data to be accessible to reviewers, executives, contractors, etc. without the need to be familiar with CAD/D software
 - Develop training and documentation to support new standards and processes
- Contracted with HDR for assistance
- Kickoff meeting scheduled for April 10th
- Digital Delivery webpage to be launched soon.



MicroStation & OpenRoads Designer Resources

- Training videos hosted by Bentley available to NHDOT consultants
- Need to register an account with Bentley to have access to videos



A screenshot of the Bentley Resource Center website. The top banner features a scenic road through autumn trees with the text "Welcome to Your Bentley Resource Center!" and a list of resources: "Product information and training", "How to make the most of your New Hampshire public sector agreement", and "Resources for industry-leading trends and thought leadership". A green button below reads "Click Here for Bentley Service Request". Below the banner is a "Check Status of Bentley Cloud Services" button. The main heading is "Our Mission is New Hampshire DOT's Mission!" followed by a paragraph about supporting the state's vision. A navigation bar includes "For You", "Product Resources", "Training" (highlighted), "Communities", "Your Bentley Team", and "Your New Hampshire Team", along with a search box. A "Quick Links" section displays three video thumbnails: "ACEC/NHDOT CAD/D User Group Meeting, January 24, 2025", "ACEC/NHDOT CAD/D User Group Meeting, August 2, 2024", and "ORD Tasks and Procedures for P-Row drawings".

MicroStation & OpenRoads Designer Resources

- Contents include:
 - User Group recordings
 - Sample ORD Project
 - ORD Procedures for P-ROW drawings
 - Method for Creating Skewed Drives in ORD
 - Drainage Layout and Annotation

Welcome to Your Bentley Resource Center!

Easily access the Bentley resources you need for success.

- Product information and training
- How to make the most of your New Hampshire public sector agreement
- Resources for industry-leading trends and thought leadership

[Click Here for Bentley Service Request](#)

[Check Status of Bentley Cloud Services](#)

Our Mission is New Hampshire DOT's Mission!

Bentley is here to support New Hampshire DOT's vision to successfully deliver a safe, economic and innovative transportation program. Explore how you can get the most value out of solutions from Bentley Systems through the materials on this resource center.

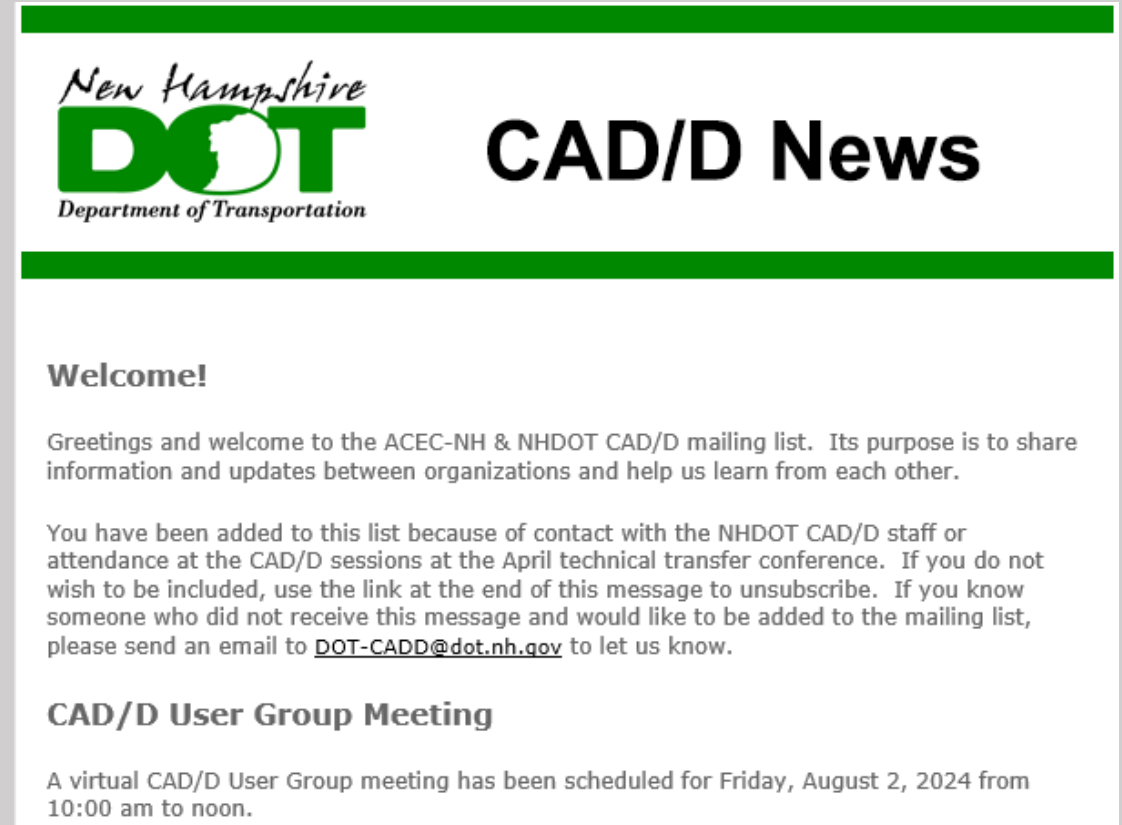
For You Product Resources **Training** Communities Your Bentley Team Your New Hampshire Team

Quick Links

- ACEC/NHDOT CAD/D User Group Meeting, January 24, 2025
- ACEC/NHDOT CAD/D User Group Meeting, August 2, 2024
- ORD Tasks and Procedures for P-Row drawings

MicroStation & OpenRoads Designer Resources

- Mailing list created for CAD/D news and updates
- Subscribe by sending a request to DOT-CADD@dot.nh.gov



The screenshot shows the header of an email from the New Hampshire Department of Transportation (NHDOT). The header includes the NHDOT logo and the text "CAD/D News". The body of the email contains a welcome message and information about a virtual CAD/D User Group meeting.

New Hampshire DOT
Department of Transportation

CAD/D News

Welcome!

Greetings and welcome to the ACEC-NH & NHDOT CAD/D mailing list. Its purpose is to share information and updates between organizations and help us learn from each other.

You have been added to this list because of contact with the NHDOT CAD/D staff or attendance at the CAD/D sessions at the April technical transfer conference. If you do not wish to be included, use the link at the end of this message to unsubscribe. If you know someone who did not receive this message and would like to be added to the mailing list, please send an email to DOT-CADD@dot.nh.gov to let us know.

CAD/D User Group Meeting

A virtual CAD/D User Group meeting has been scheduled for Friday, August 2, 2024 from 10:00 am to noon.

MicroStation & OpenRoads Designer Resources

- Bentley Communities site for posting CAD/D-related questions about processes or procedures

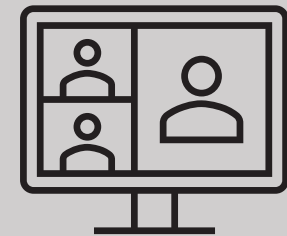
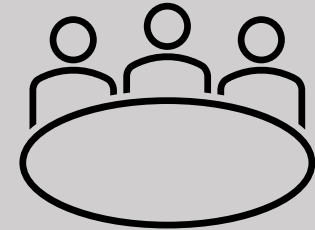


A screenshot of the Bentley Communities website. The page title is "Bentley | Communities". The main heading is "New Hampshire DOT Resource Center". Below the heading are five icons representing different resources: Knowledge Base, Blog, Forum, Files, and Events. The footer includes the Bentley logo, navigation links for Bentley, Events, Contact Us, Bentley Ideas Portal, and Improve Bentley Communities, and a copyright notice for Bentley Systems, Incorporated.

bentleysystems.service-now.com/community?id=new_hampshire_dot

ACEC – NHDOT User Group

- Hosting user group meetings
- Alternating between in-person and online events
- Recordings of previous meetings are available with other NHDOT videos on the Bentley site.
- Next meeting: TBD
 - What topics would you like to see presented?



Questions?

CAD/D Documentation

<https://www.dot.nh.gov/doing-business-nhdot/engineers-consultants/cadd>

Highway Design questions

Bill Caswell – William.Caswell@dot.nh.gov

Structural Design questions

Aaron Janssen – Aaron.C.Janssen@dot.nh.gov

