

**CONNECTICUT DEPARTMENT OF TRANSPORTATION** 

## DIGITAL DESIGN ENVIRONMENT GUIDE

CONNECT EDITION

# Volume 9 – OpenRoads Designer Boundary Surveys

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## **Course Overview**

### **Skills Taught**

In these exercises you will learn how to:

- Create Property Maps
- create Acquisition Parcels and Property Management shapes for GIS Exporting
- Create ROW Maps

## Exercise 1 - Property Map Creation

Coming Soon

## Exercise 2 - Parcel Posting Workflow

### 1.1 Startup

Before attempting to open or create DGN files users should make sure the following is in place:

- 1. CTDOT users should have the CTDOT CONNECT DDE synced through SharePoint with the COMPASS Project Synced along with the CAD Configuration.
- 2. Consultants should have CTDOT DDE properly installed or be syncing to the CTDOT DDE SharePoint/COMPASS system.
- 3. Make note of the **Coordinate System** you will be working in. If you have existing survey data, you will need to find out what system is being used **(NAD 83/NAVD 88 or NAD 27/NAVD 29).**
- 4. Log on to the CONNECTION Client. Bentley Connect licensing requires users to log into their Bentley account to secure a software license. CTDOT users should log in using your CTDOT email address and Bentley password. If you do not see the dialog box, select the <i>icon on the bottom Windows Screen. Click on the Connection Client Icon and select Open.

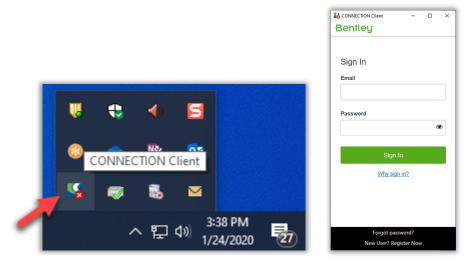


Figure 1 CONNECTION Client System tray

- 5. Launch the Application.
  - Consultants

Start the software via an appropriate CTDOT DDE icon

CTDOT employees
 On your desktop double click on the CAD Accounting icon.

6. On the CT DOT Accounting Menu there will be select Compass OpenRoads CE In the Run Program field select the needed program, the Available Account (funding source) and Resource Type. Click on the Start button to load the program.

🔟 CT DOT Accountin	ig Menu		_		×
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		,			
Clear Frequently Use	ed Accounts	Config	ure Locati	ion	
Resource Type:		-			
Limit to Project #:		Filter	Sh	ow All Pr	ojects
Instructions:					
Select a program	to run, then	click 'Star	ť		
User: richardeh	Co	mputer:	рот-мн	3AEC018	5
Environment NewPr	oduction				
Process: (none)					

Figure 2 CAD Accounting dialog box

7. After launching the program, a Welcome Screen for **OpenRoads Designer** will appear.

Configuration	Republication from a province of the D
Examples Configuration	WorkSpace WorkSet Role CT_WorkSpace * 0001-0106 * Property_Maps *
:: S Custom Configuration	Recent Files
Recent WorkSets	You haven't opened any files recently. To browse for a file, start by clicking on Browse.
CT_WorkSpace	Browse New File

Figure 3 OpenRoads Splash Screen

8. Select **Custom Configuration**, using the small drop-down arrows select the Workspace **CT\_Workspace**, the needed **WorkSet** and **Role**.

If you do not see the Project Number listed, please request a Compass/CAD Setup using this link <u>New CAD Project Request</u>

### 1.2 Creating a New File

1. Select New File icon.

**Note:** Do not copy DGN files created with V8i SELECTseries or InRoads SS2, SS3, SS4, or SS10 to the new CTDOT CONNECT Project/Workset folders to use for your shape placement base file.

- 2. Browse to your specific discipline folder and enter a File name.
- 3. On the New dialog box click the **Browse** button to select the 2D seed file. ...CT\_Configuration | Organization | Seed | PMap | Seed2D-CT\_SurveyPMap-ROW.dgn

If the survey was done in an old Datum, use the 2D Seed Files in this folder *...CT\_Configuration\Organization\Seed\GCS* 

4. After the DGN file is created open File Explorer and browse to the file, **right click** and select **View online**.

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Figure 4 File Explorer View online tool

 The Projects SharePoint site will open, sort by Date, click on the three dots, select More > Check Out

**Note:** When you are done working on the DGN file, exit the program and go back to the SharePoint Site and **Check In** the file.

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	Check in

Figure 5 SharePoint Check out

### **1.3 Reference in the ROW DGN files**

1. Select the **CTDOT** workflow **Home** tab, in the **Primary** section select the **Attach Tool** drop down and choose **References**. Navigate to the folder and reference the file.

On the reference Attachment Properties box

- Choose the needed Model
- To the Nested Attachments: to Live Nesting and add a Nesting Depth: number.

#### Click OK.

2. In the view window display the Background Map.

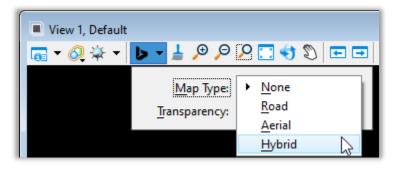


Figure 6 Background Map

- 3. If the graphics to not line up with the background image this maybe an older DGN Files and will need to be referenced in with certain settings to get them to line up in the correct Geospatial location. For older reference files turn **True Scale** off and set the Scale to **1**:1.
- 4. Select **Level Display** and turn off the desired levels in the reference files. Show only ROW lines. Copy in the needed lines.
- 5. Select Save Settings.

## 1.4 Create Shapes

- 1. Click on the Property Maps tab. In the **Shape Files** section select one of the top tools as needed and follow the prompts to create a shape. Click inside of the needed areas.
- 2. Fill in the Properties as needed. If you are using NAD 27 please adjust the COORDINATE\_SYSTEM field.
- 3. Save Settings.

### 1.5 Validate & Post Shapes

- Once you have all the required parcel information filled and saved you are ready to upload the data. On the Property Maps tab, Shape Files section, click on *validation portal* link to load the *CDOT ROW Parcels CAD Submission Validation Portal*.
- 2. The validation portal will open in a browser.
- 3. Click on Upload File and browse to the dgn file. Then click Open to upload.
- 4. Once your CAD file is uploaded, click **OK** to start the validation process and **WAIT** for the result.
- 5. If the data validation result is a success, you will see a *big green check mark*.
- 6. Click on Final Upload Here to start the upload process.
- 7. It will then open this page, click on **Upload File** to upload you validated CAD file. Then **browse** to the file and click **Open**.
- 8. Click **Ok** to start the parcel posting.
- When the posting to the database is complete, you will see this message "COMPLETED". That concludes the posting process.

### **1.6 Review your posted parcel in GIS**

- Once the posting is completed, you can view the parcel in this app <u>https://gisportal.dot.ct.gov/portal/apps/webappviewer/index.html?id=04df3779ccd84</u> <u>b7d9a24e1ce2edb6539</u>, you will need to have a portal login account.
  - If you are not sure whether you have a portal account or not, you may click <u>HERE</u> and check.
  - If you see you don't have a portal account, you may request an account by filling out this <u>FORM</u>
  - Once you get the account, send a support request to get access to the app using this link <u>https://ctdotcompass.atlassian.net/servicedesk/customer/portal/9/group/25/cr</u>

<u>eate/113</u>

2. In the search File Number, type the parcel file number you posted. When you see it listed, click on it and it will zoom to the parcel with properties displayed.

## If you need support /assistance from AEC , you may submit a support ticket by following this <u>LINK</u>

## Exercise 3 – ROW Map Creation

Coming Soon

## Revisions