Introducing Navigator 10.2

Bentley
Advancing Infrastructure

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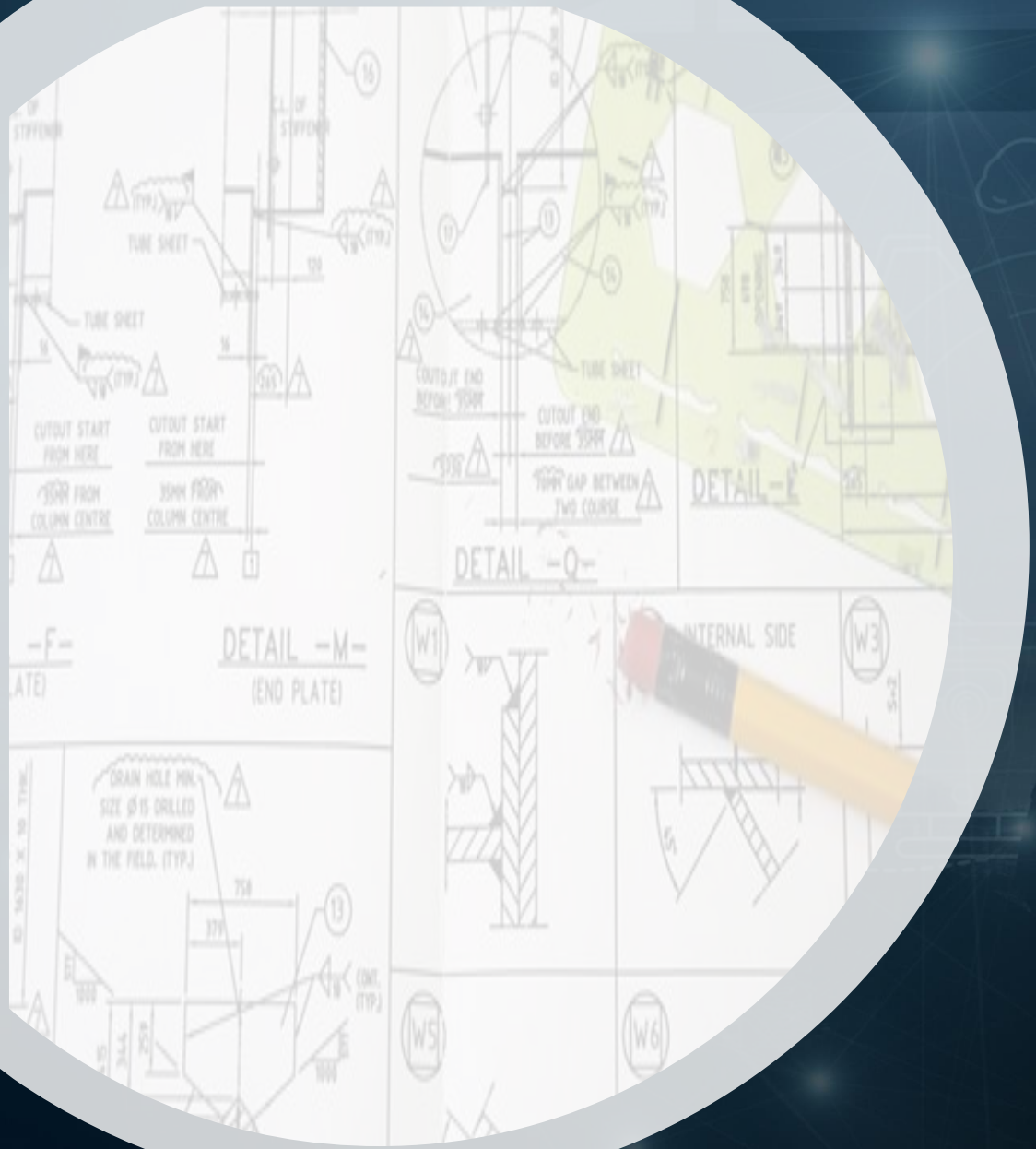
The Redline Dilemma



- Where is the model and how do I find it?
- Does the model I’m reviewing reflect the designer’s latest changes?
- I’m not a skilled CAD user.
- How am I going to communicate issues back to the designer?

Bentley®

iModel 2.0

iModelHub

Navigator 10.2

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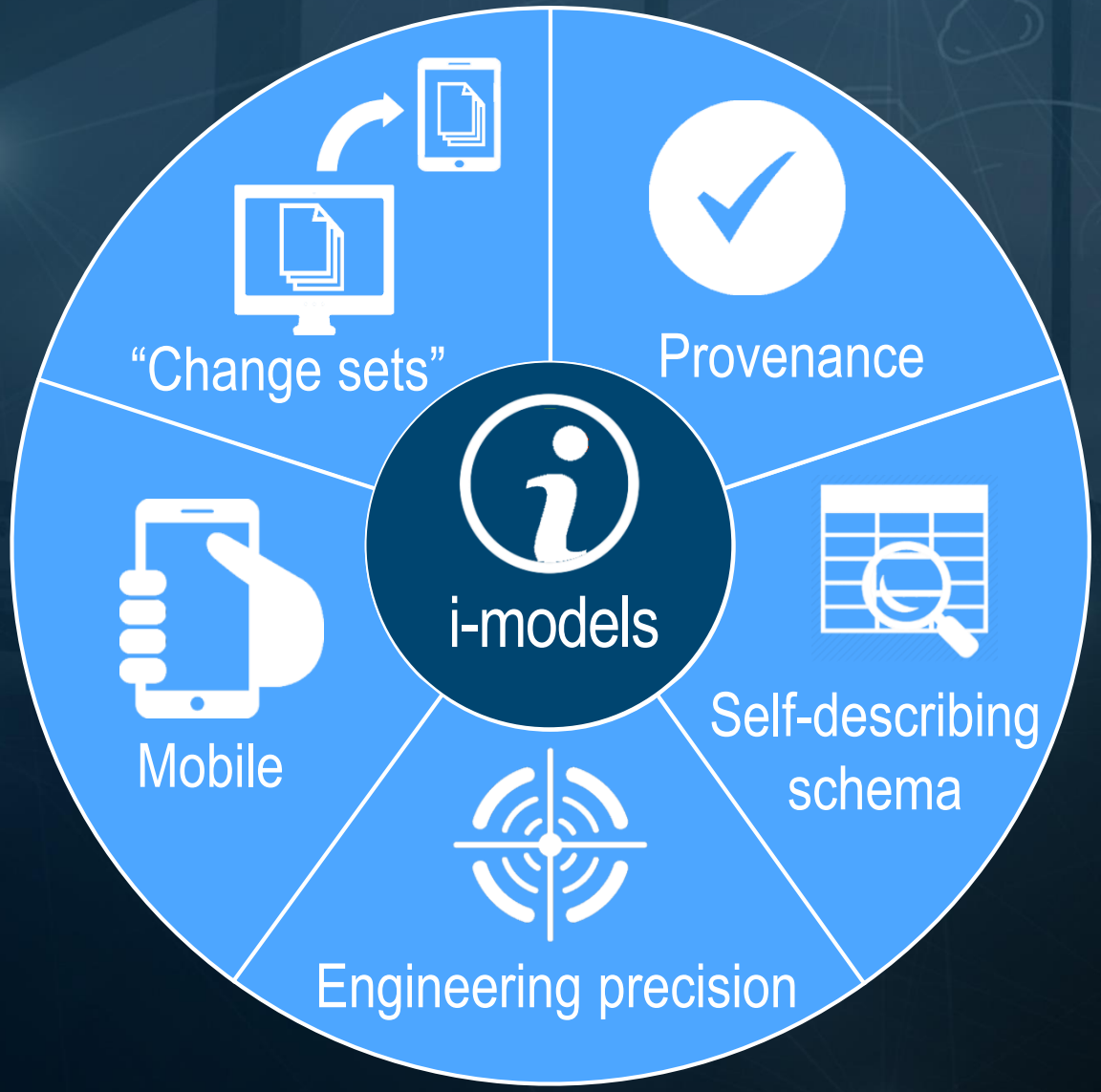
iModel 2.0

iModel 2.0 (.ibim)



- SQLite-based
- Distributed database (not a file)
- Optionally Editable
- Cloud-managed
- Desktop, mobile and Web-enabled
- Information centric
- Version Capable

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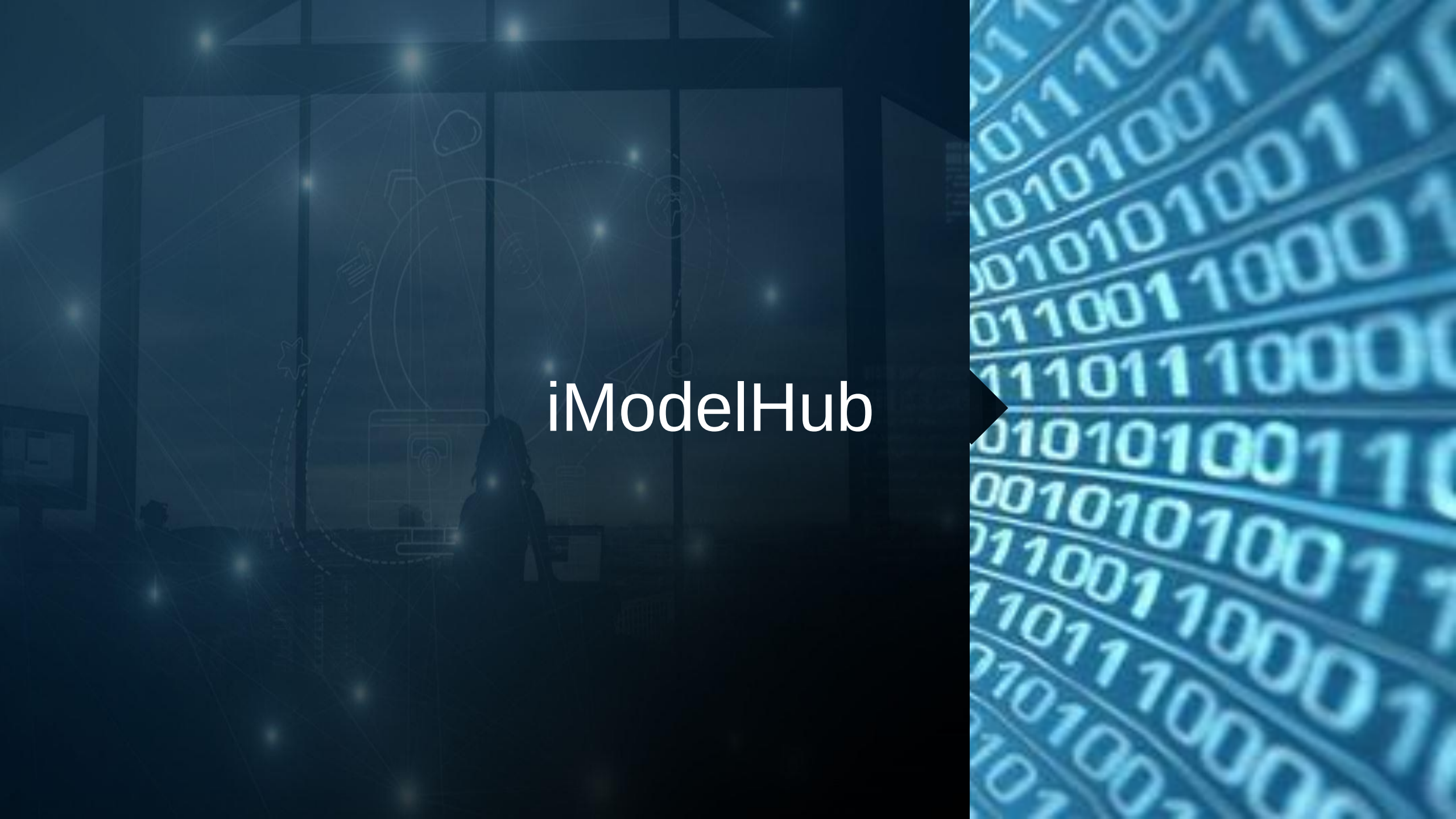
iModelHub

iModelHub

Global cloud services for managing iModels

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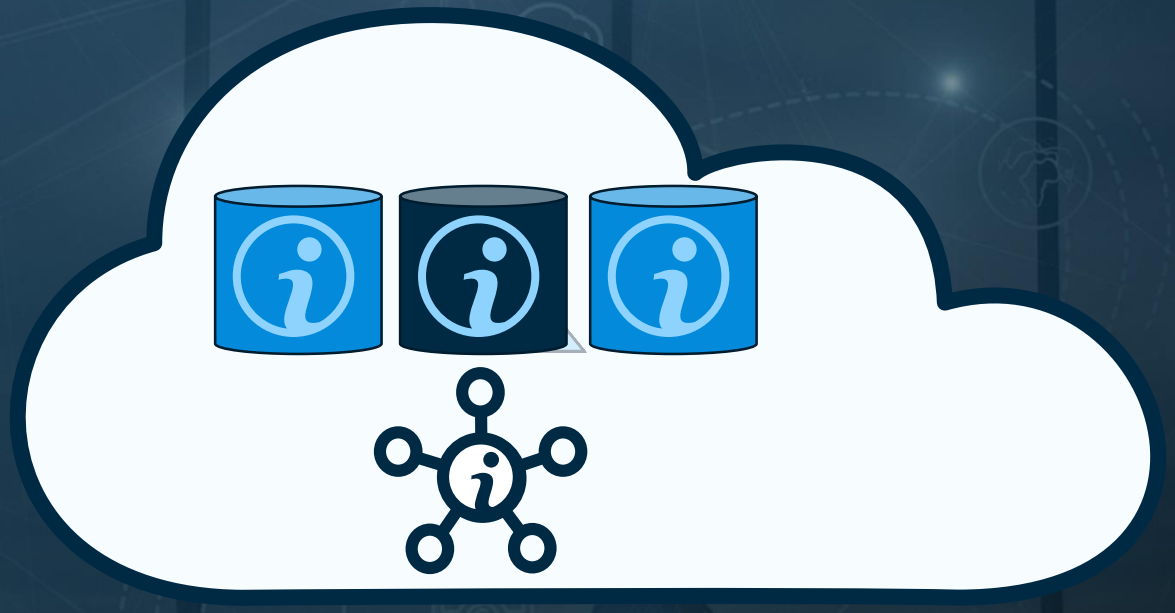
iModelHub



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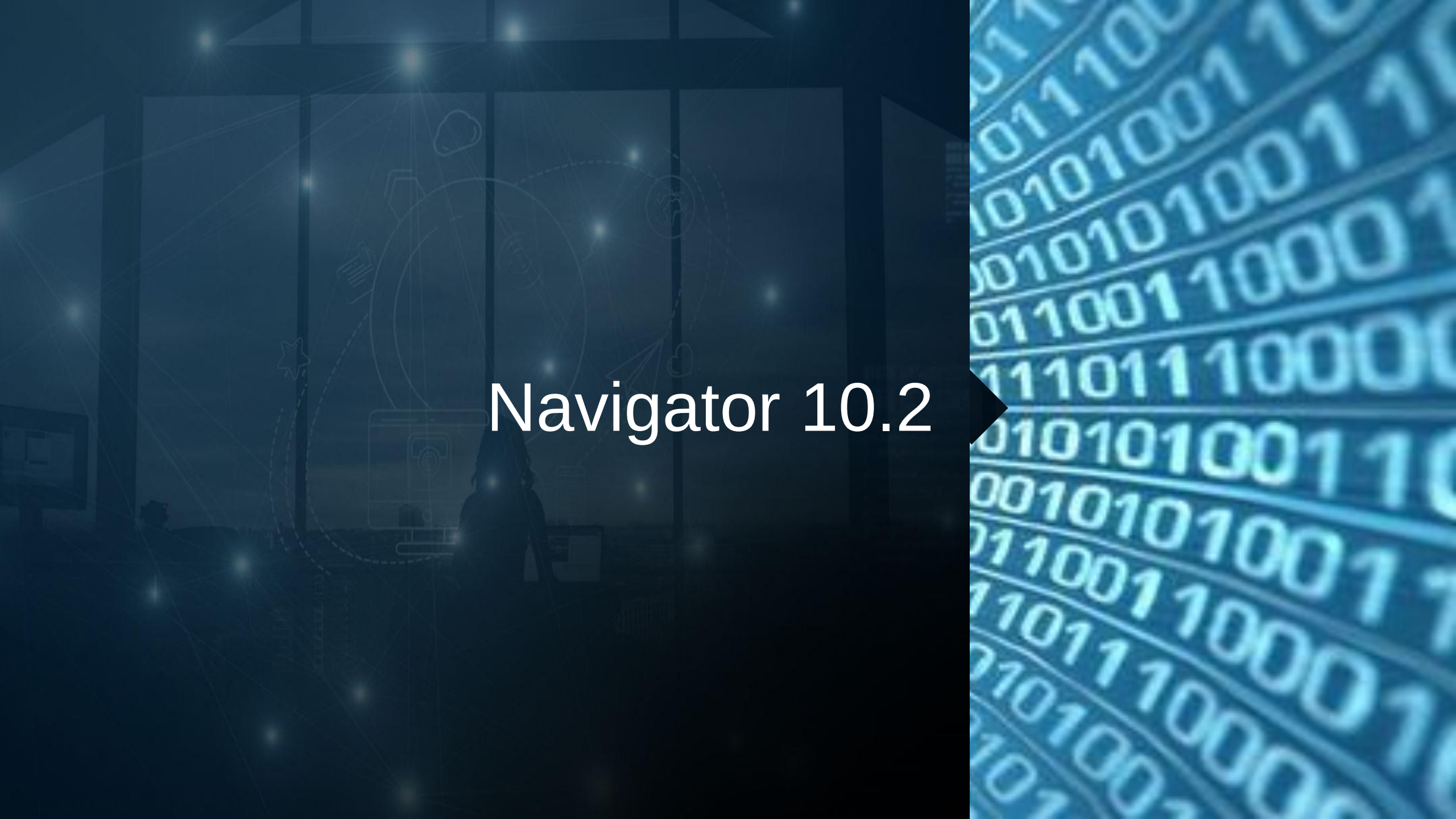
Navigator 10.2



Navigator 10.2

Current

- ***Navigator Connect Update 6 (06.01.06.10)***
- ***OpenRoads Navigator Connect Edition (10.00.03.13)***
  - Retired

- ***Bentley Navigator 10.2***
  - *Contains all functionality of both current products*
  - *Increased functionality*
  - *Supports iModel 1.6, iModel 2.0 and iModel Hub*
  - *Currently released as EAP, Commercial Release Q1/19*

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The Process

- Where is the model and how do I find it?
- Does the model I’m reviewing reflect the designer’s latest changes?
- I’m not a skilled CAD user.
- How am I going to communicate issues back to the designer?

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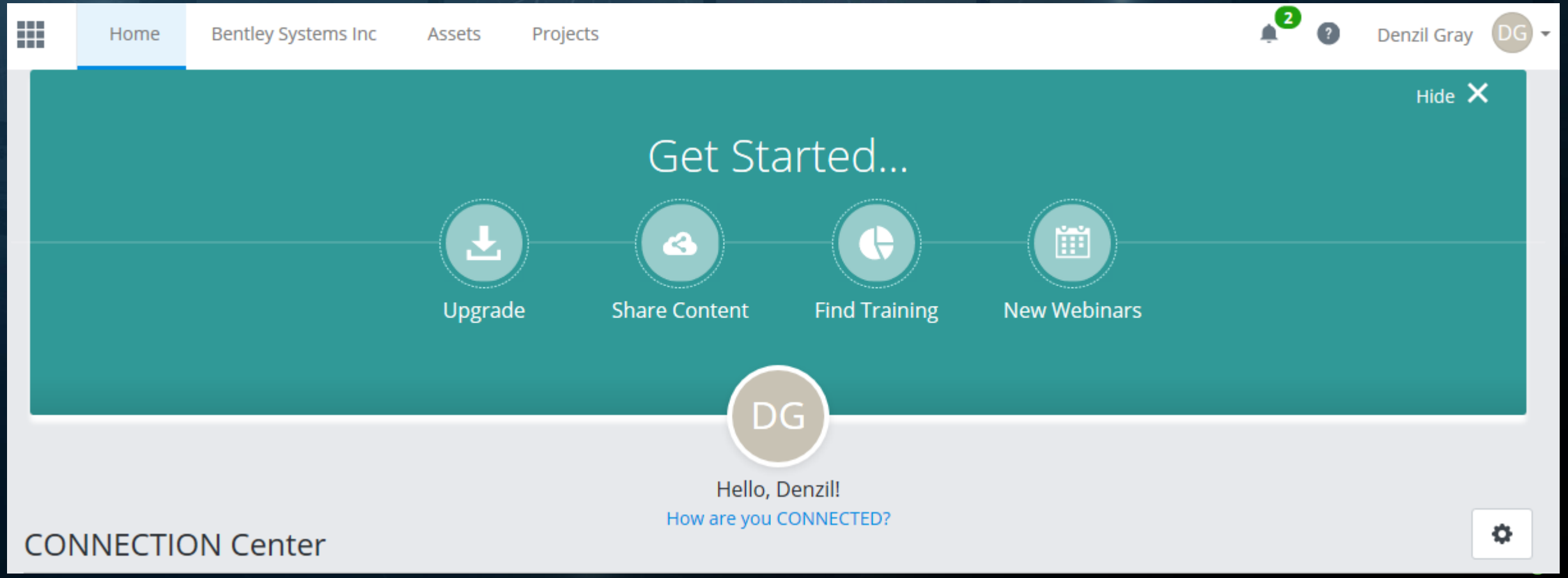
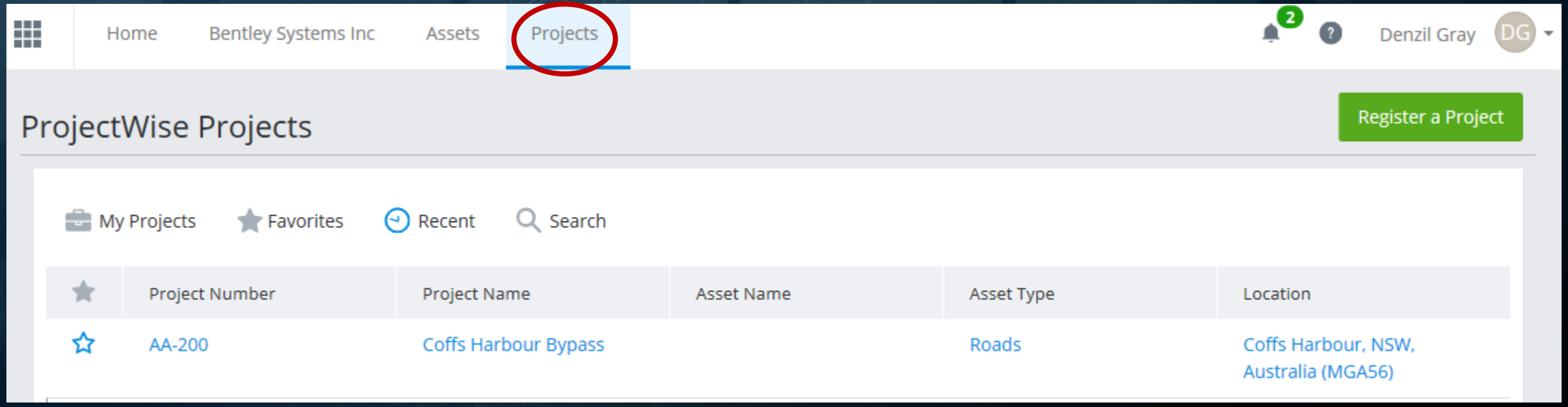
Connected User

As a *Connected User (i.e. signed in with Connection Client)*, I have access to the Connection Center.



Connected Projects

This of course gives me access to my *Connected Projects*.



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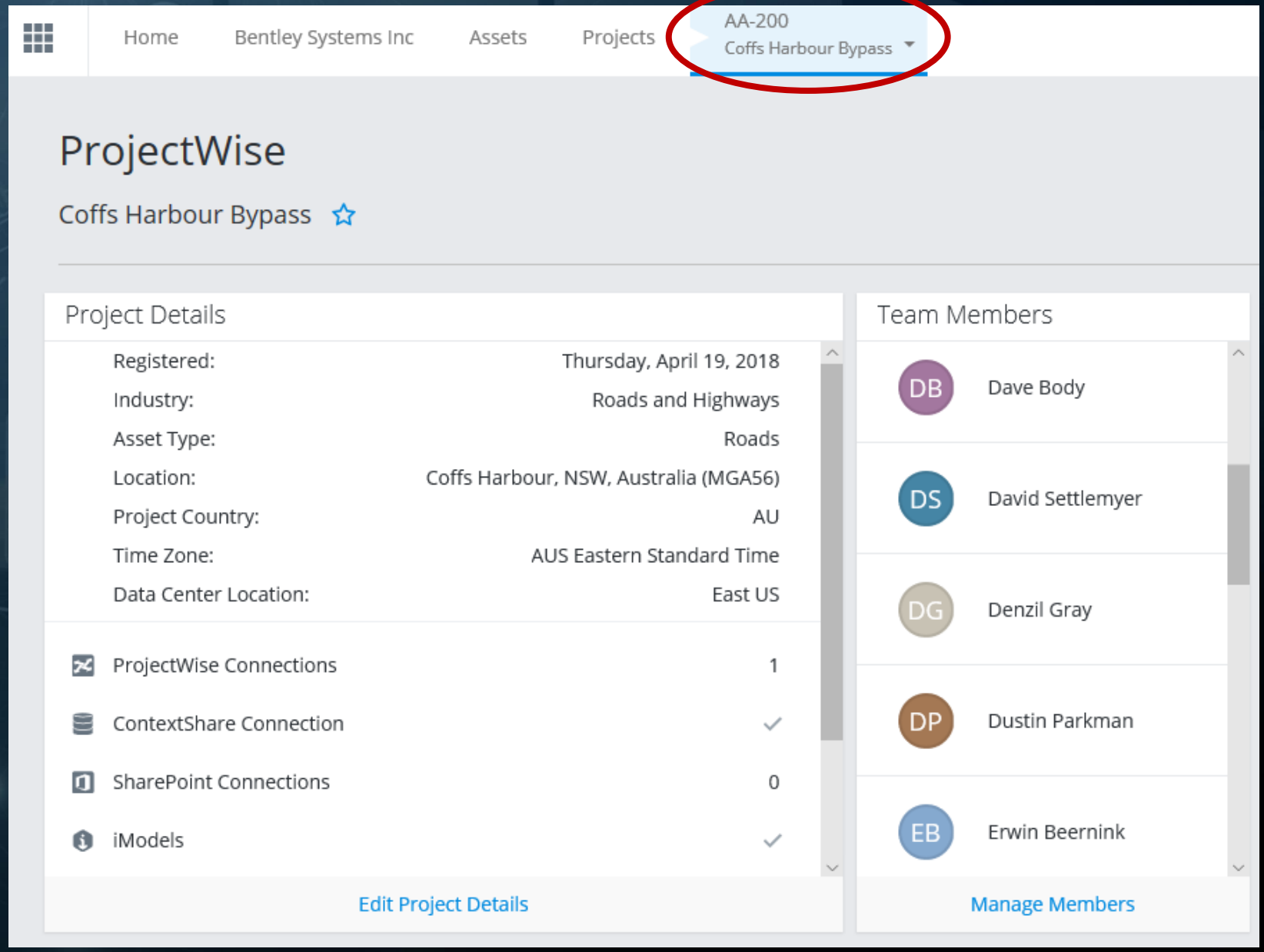
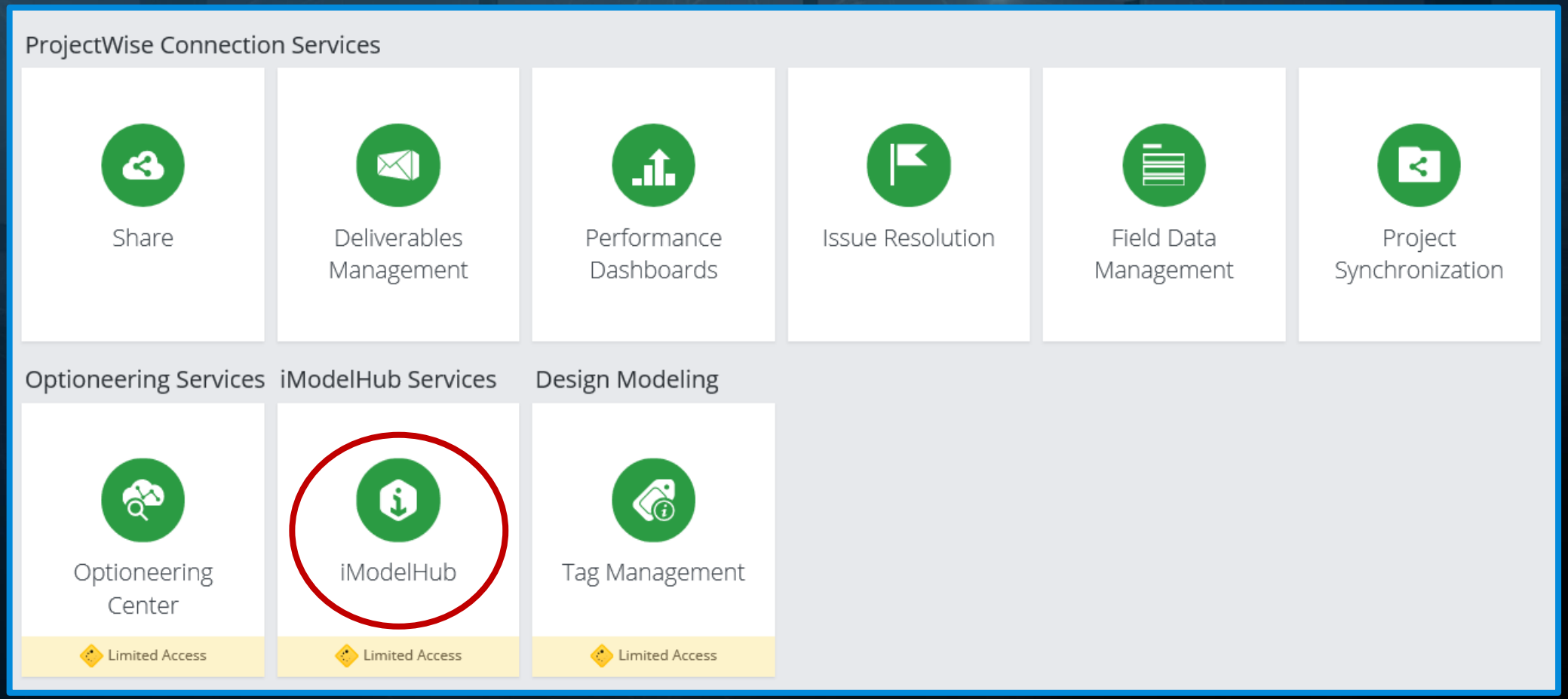
Connected Projects

In this particular case, we are members of the *Coffs Harbour Bypass* project.



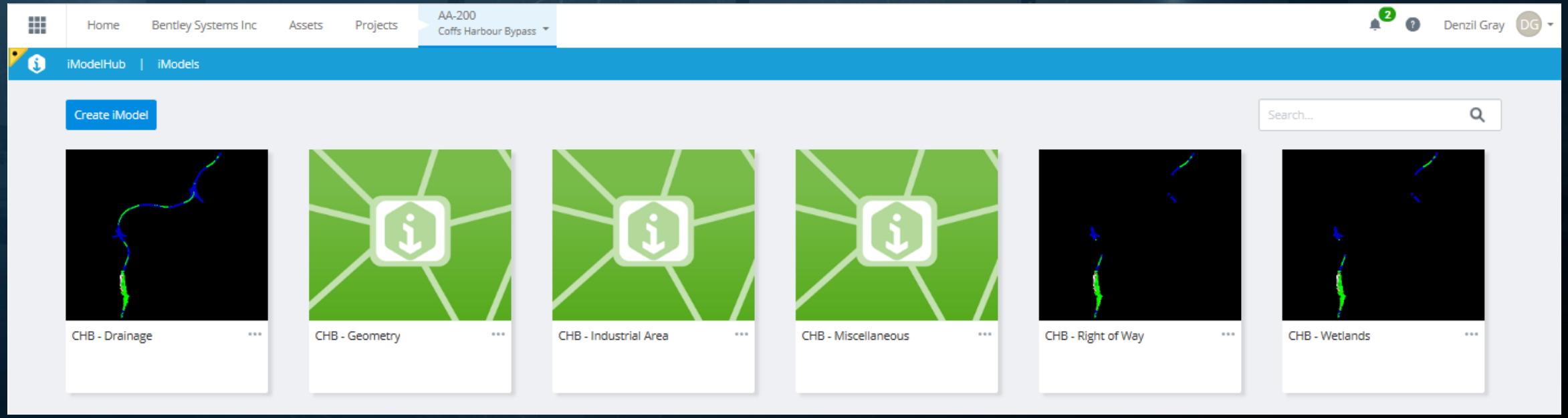
iModelHub

One of the *Services* I have access to is *iModelHub*.



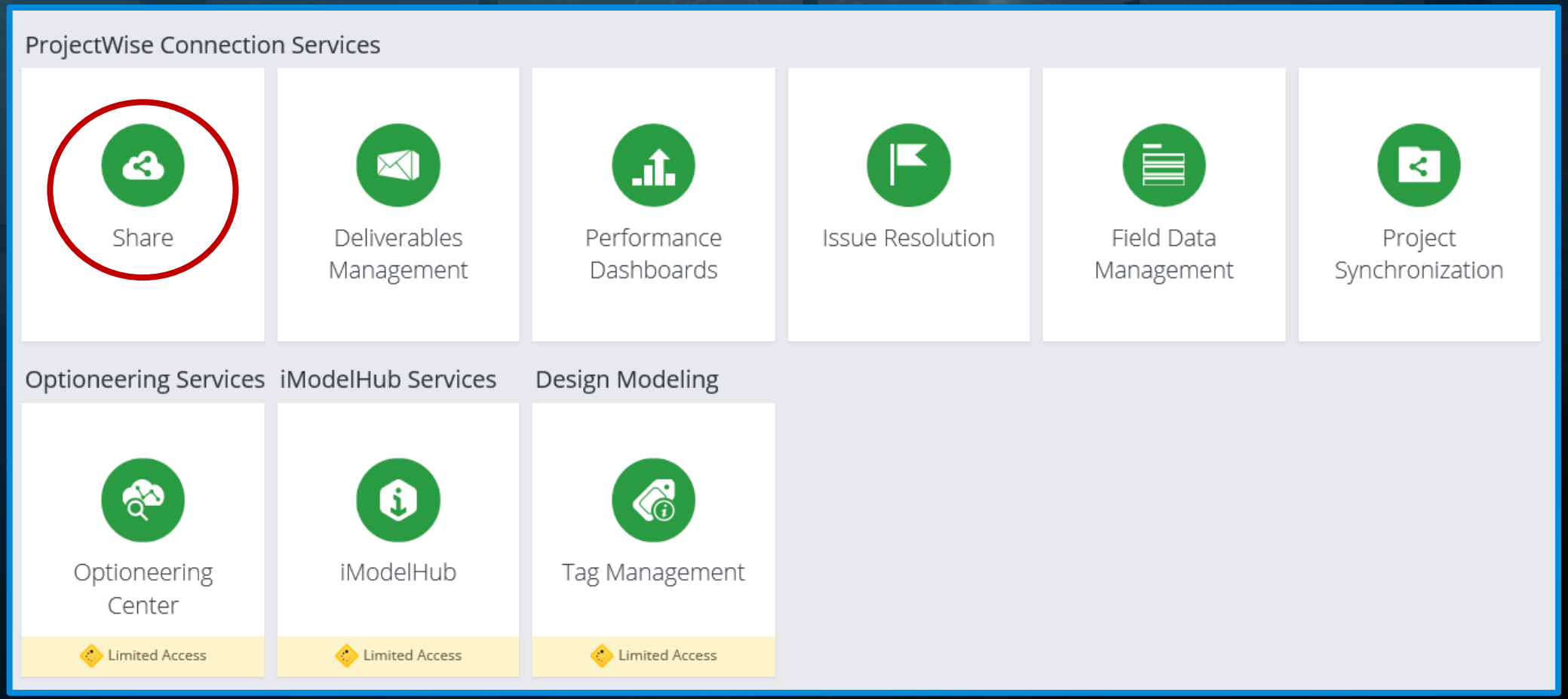
iModelHub

Inside iModelHub, I can create the iModels that I will need for my project.



Share

Another of the *Services* I have access to is *Share*.



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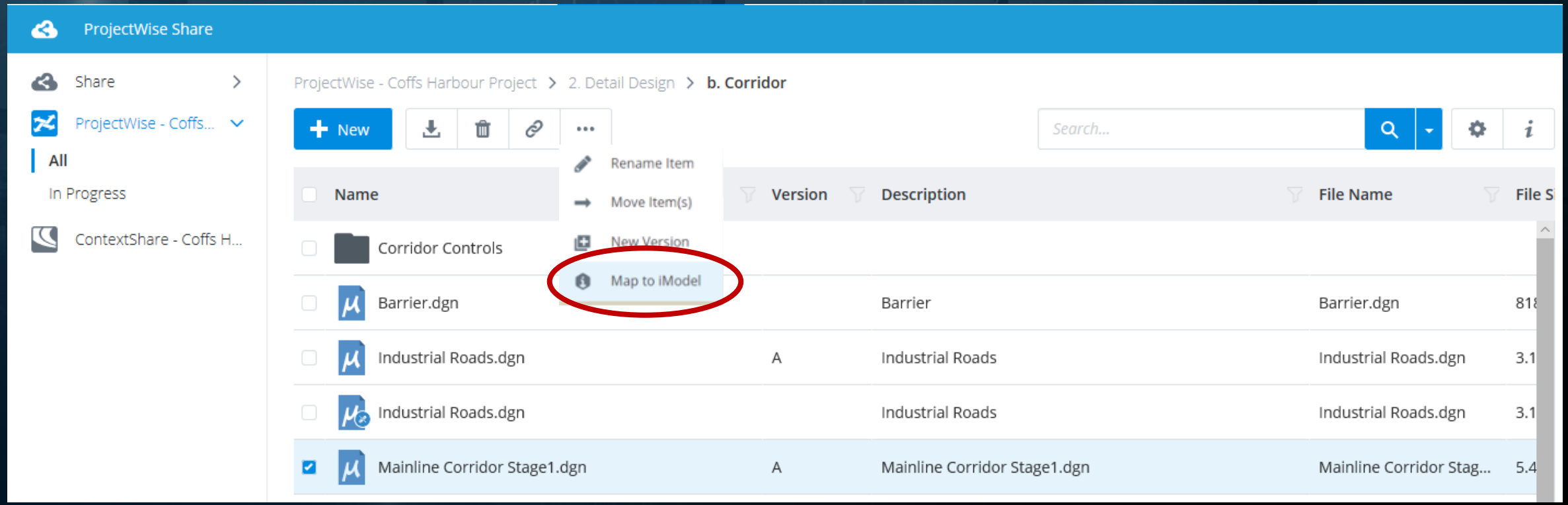
Share

Using *Share, I can* map the desired DGN file to the previously created iModels in my *Connected Project*.



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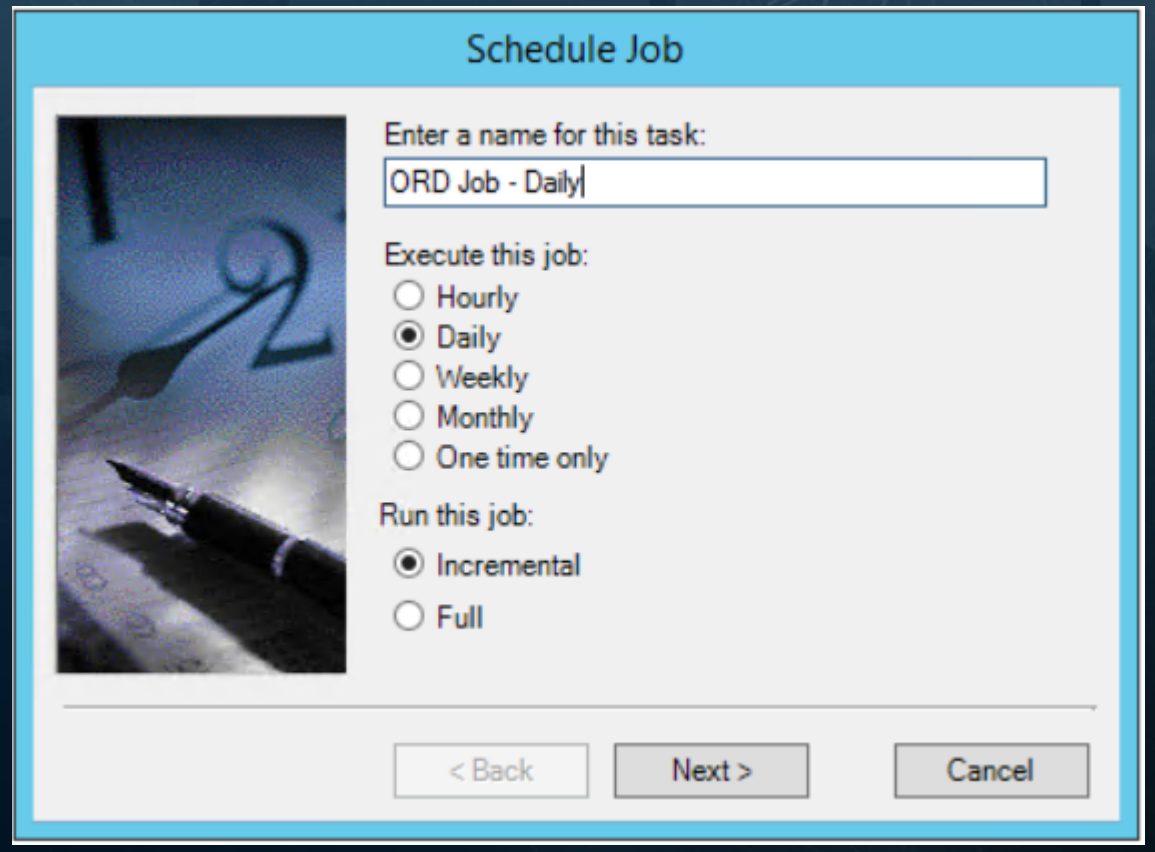
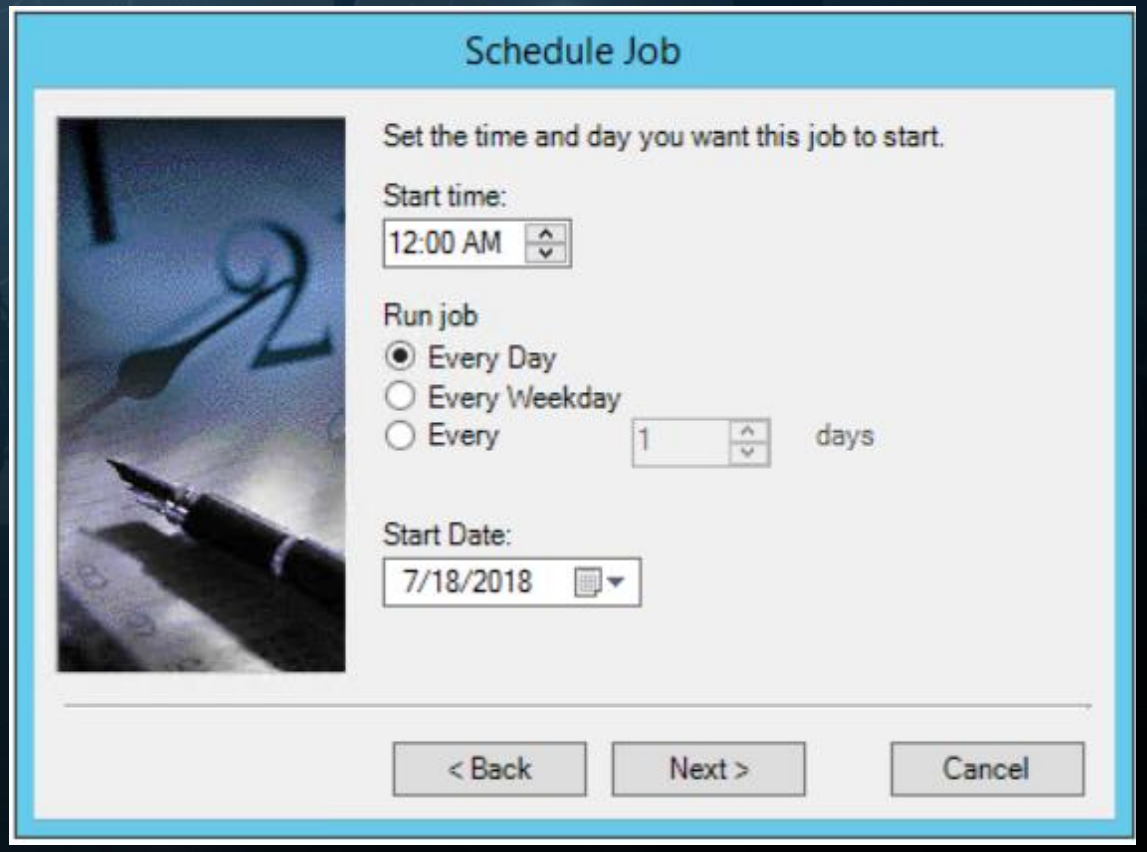
Share

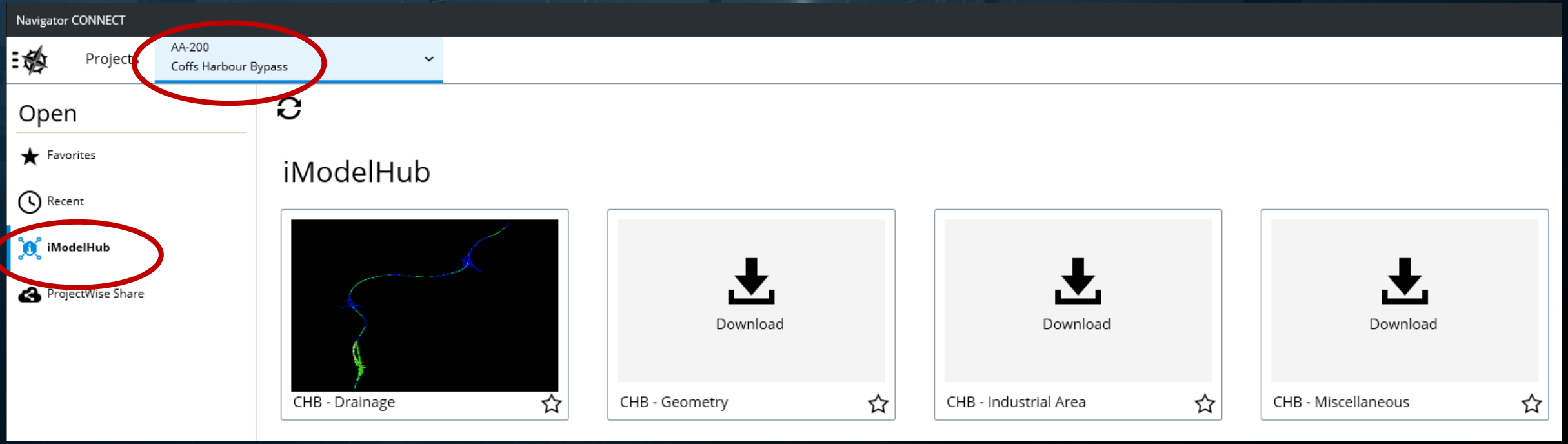
We can schedule this process to run anytime we want (*e.g. every night at midnight*).





Navigator 10.2

Finally, as a *Connected User* with *Navigator* as my review tool, I can select my project and see all the *iModels* within the *iModelHub*.



Bentley Cloud Services

https://connect.bentley.com/

Home | Bentley Systems Inc | Assets | Projects

2 | Denzil Gray

Hide

Get Started...

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DG

Hello, Denzil!

How are you CONNECTED?

CONNECTION Center

Learn

Use our suite of ProjectWise Connection Services to improve how you exchange critical documents and manage key workflows within your projects.

Learn more...

- ProjectWise Connection Services
- Share
- Deliverables Management
- Performance Dashboards
- Issues Resolution
- Field Data Management

My Activity | Week | Month | Quarter | All | Projects | Applications

ProjectWise Projects

AA-200
Coffs Harbour Bypass

ProjectWise Connections	1
ContextShare Connection	✓
SharePoint Connections	0
iModels	✓
Shared Files	10
Open Forms	0
Open Issues	1

OCTOBER, 2018

Su	Mo	Tu	We	Th	Fr	Sa
30	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	1	2	3
4	5	6	7	8	9	10

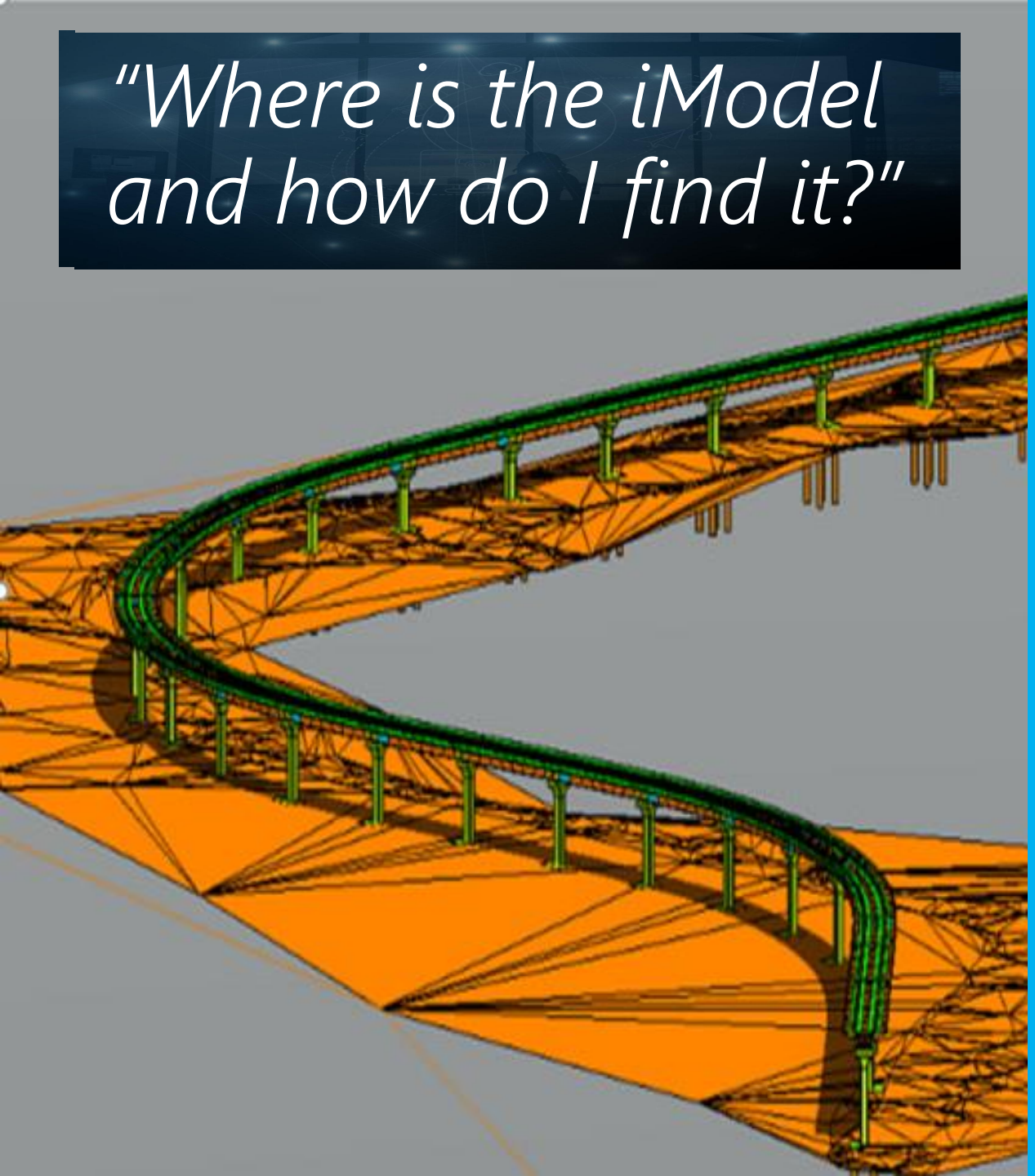
Upcoming Events

Today — *Showing 3 of 3*

11:00 AM **Webinar:** SIG Workshop: Bentley Electrical – October

7:00 PM **Webinar:** Tech Talk: Upgrading to ProjectWise CONNECT Edition - Benefits and

"Where is the iModel and how do I find it?"



- Automated iModel Creation
- Cloud Based and Managed
- Easily available to reviewers without searching

- Where is the model and how do I find it?
- Does the model I'm reviewing reflect the designer's latest changes?
- I'm not a skilled CAD user.
- How am I going to communicate issues back to the designer?

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iModels > *Embracing Change*

Progress

View all versions

Latest changes

4		Denzil Gray	Oct 3, 2018, 10:08:29 AM
3		Denzil Gray	Oct 2, 2018, 4:23:36 PM
2	initialization changes	Denzil Gray	Oct 2, 2018, 4:22:29 PM
1	schema changes	Denzil Gray	Oct 2, 2018, 4:22:24 PM

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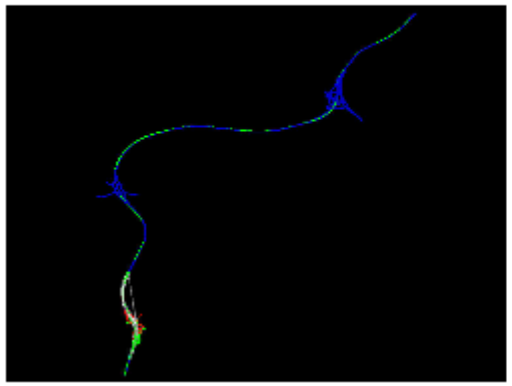
Navigator 10.2 > *Embracing Change*

Preview



iModel Name	CHB - Industrial Area
Date Created	10/2/2018
Created By	
Size	23560192

Version

A newer version is available

Version	2
Date	10/2/2018
Updated By	Denzil Gray

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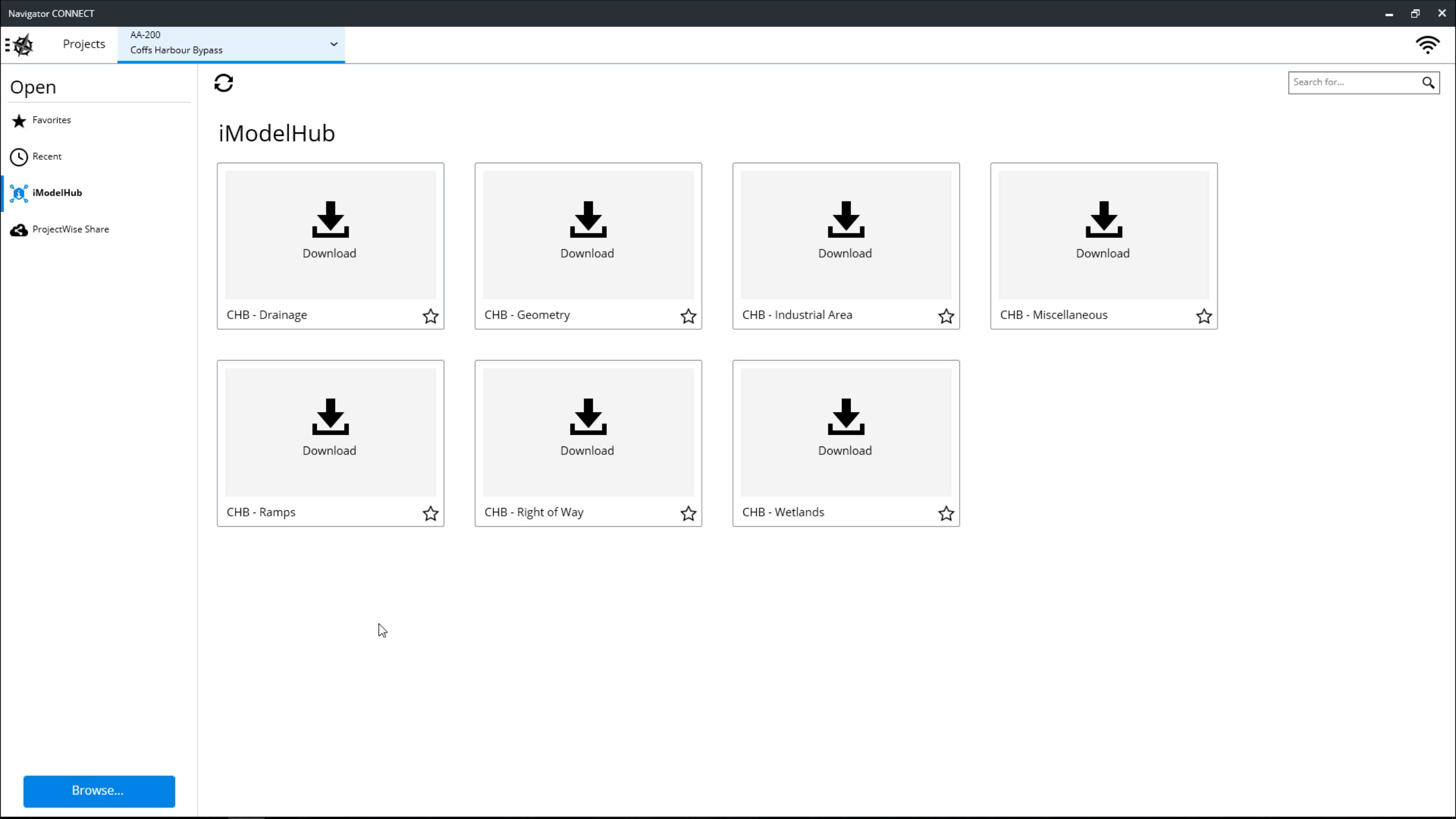
Navigator CONNECT
Projects
AA-200
Coffs Harbour Bypass
Search for...
Open
Favorites
Recent
iModelHub
ProjectWise Share
iModelHub
Download
CHB - Drainage
Download
CHB - Geometry
Download
CHB - Industrial Area
Download
CHB - Miscellaneous
Download
CHB - Ramps
Download
CHB - Right of Way
Download
CHB - Wetlands
Browse...

“Does the model I’m reviewing reflect the designer’s latest changes?”

- Versions are retained within the iModel
- Navigator recognizes and manages these versions
- Always ensures the reviewer has the latest changes and can see what those changes are

- Where is the model and how do I find it?
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- I’m not a skilled CAD user.
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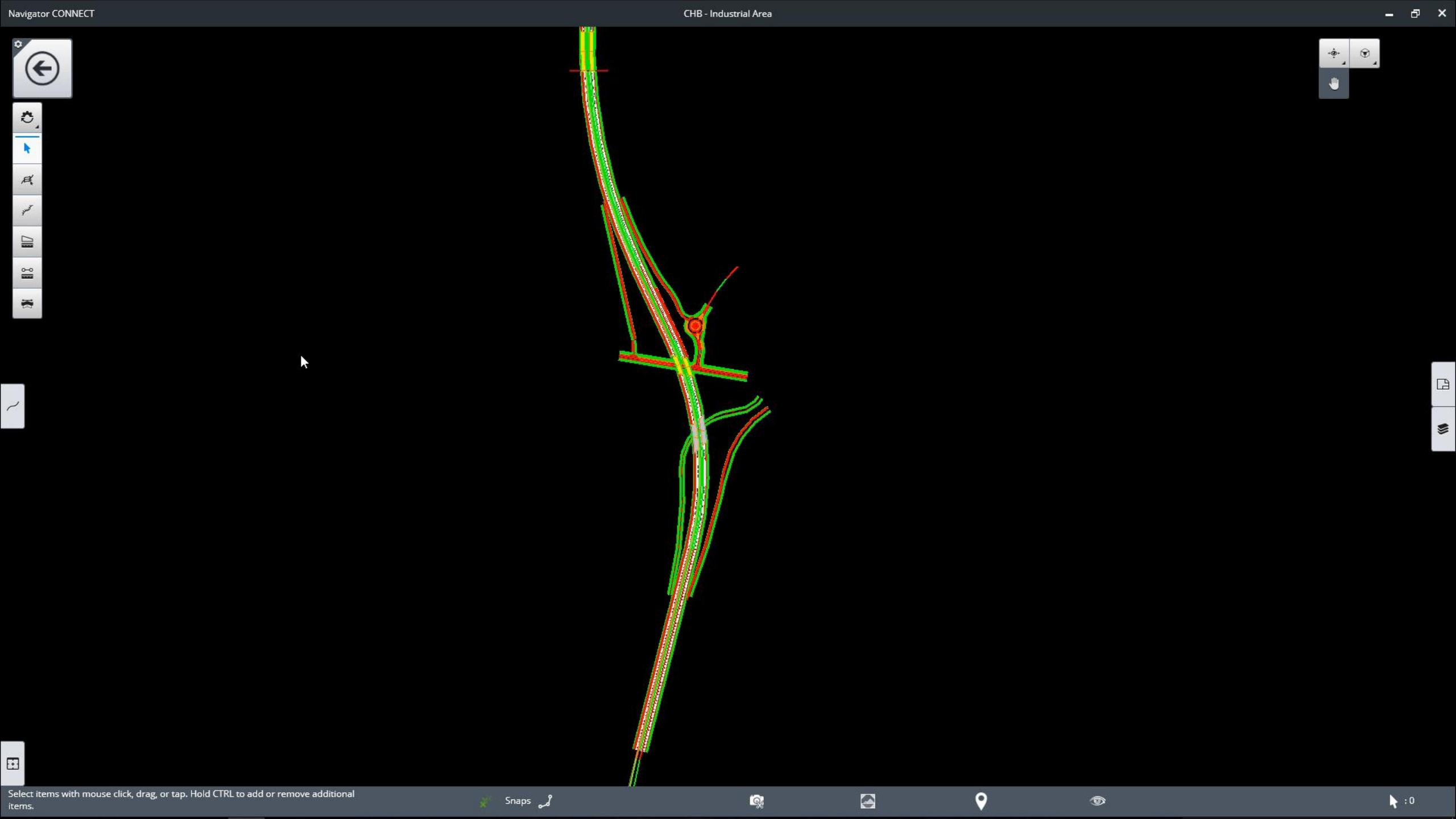
Civil Review Workflow

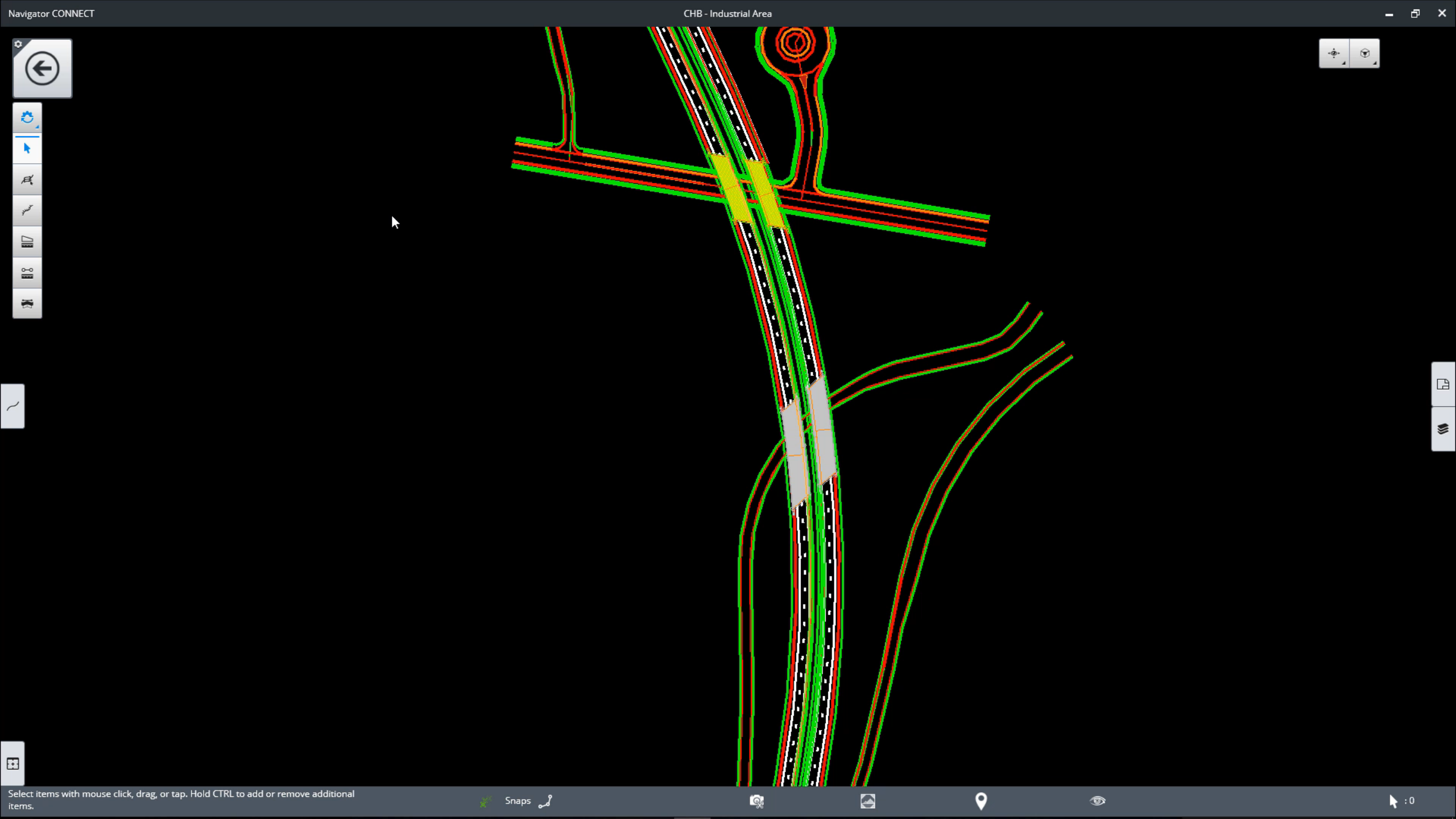
Navigator CONNECT
CHB - Industrial Area
Snaps
: 0

Active Alignment

Profile and XS


Navigator CONNECT
CHB - Industrial Area
Select items with mouse click, drag, or tap. Hold CTRL to add or remove additional items.
Snaps
: 0

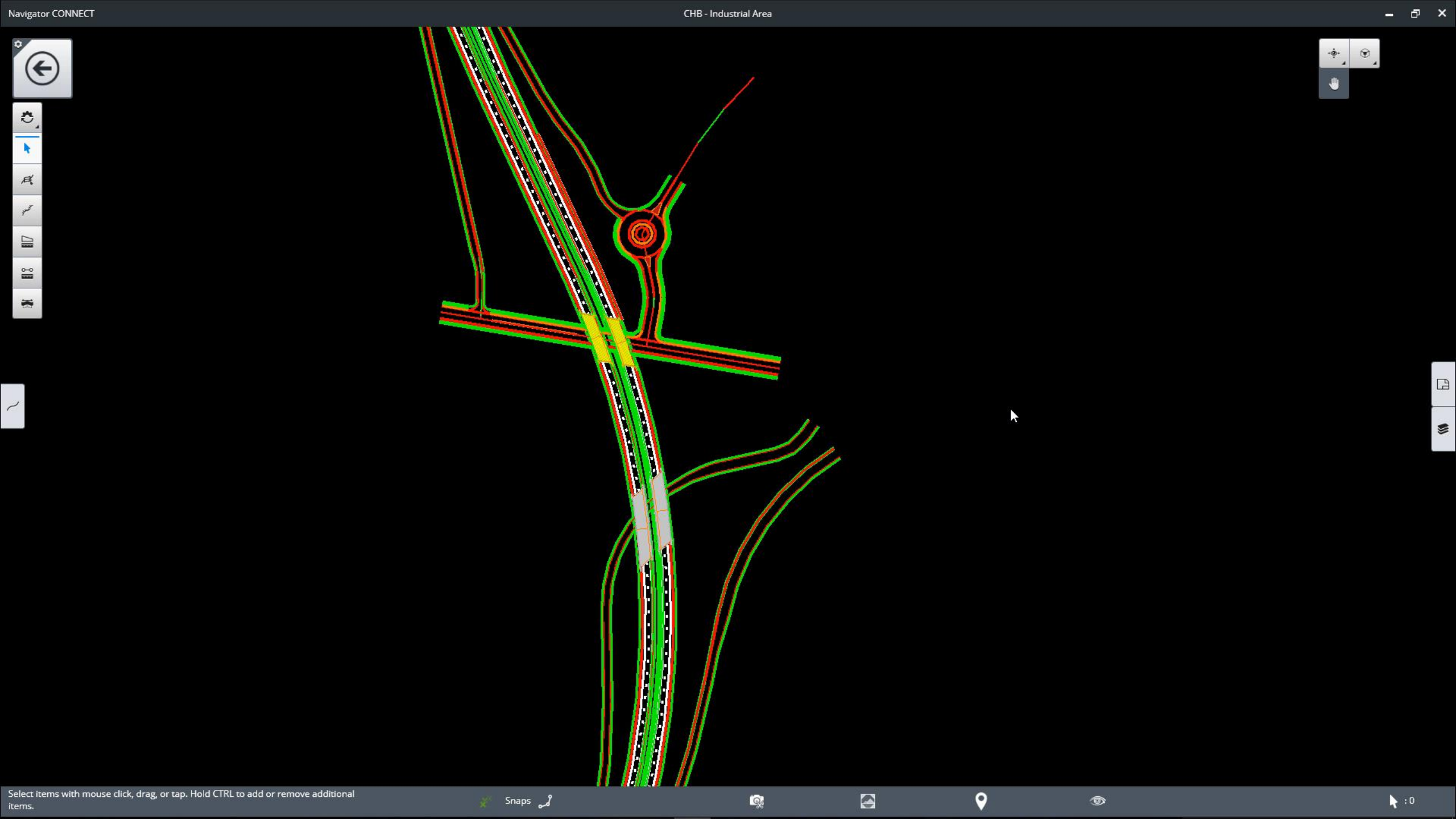
Sheet Models


Navigator CONNECT
CHB - Industrial Area
Select items with mouse click, drag, or tap. Hold CTRL to add or remove additional items.
Snaps
: 0

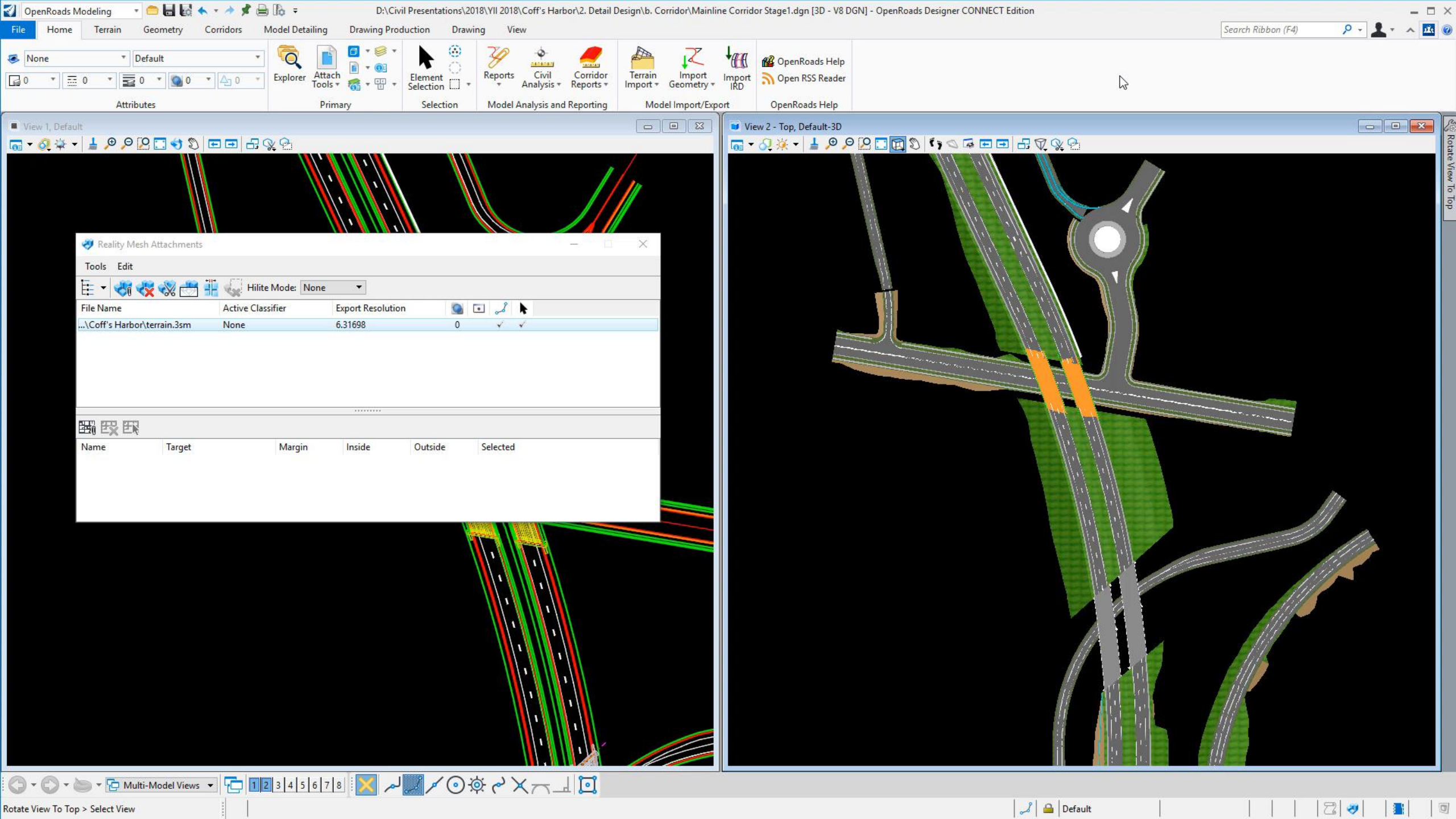
Dynamic XS

Navigator CONNECT
CHB - Industrial Area
Select items with mouse click, drag, or tap. Hold CTRL to add or remove additional items.
Snaps
: 0

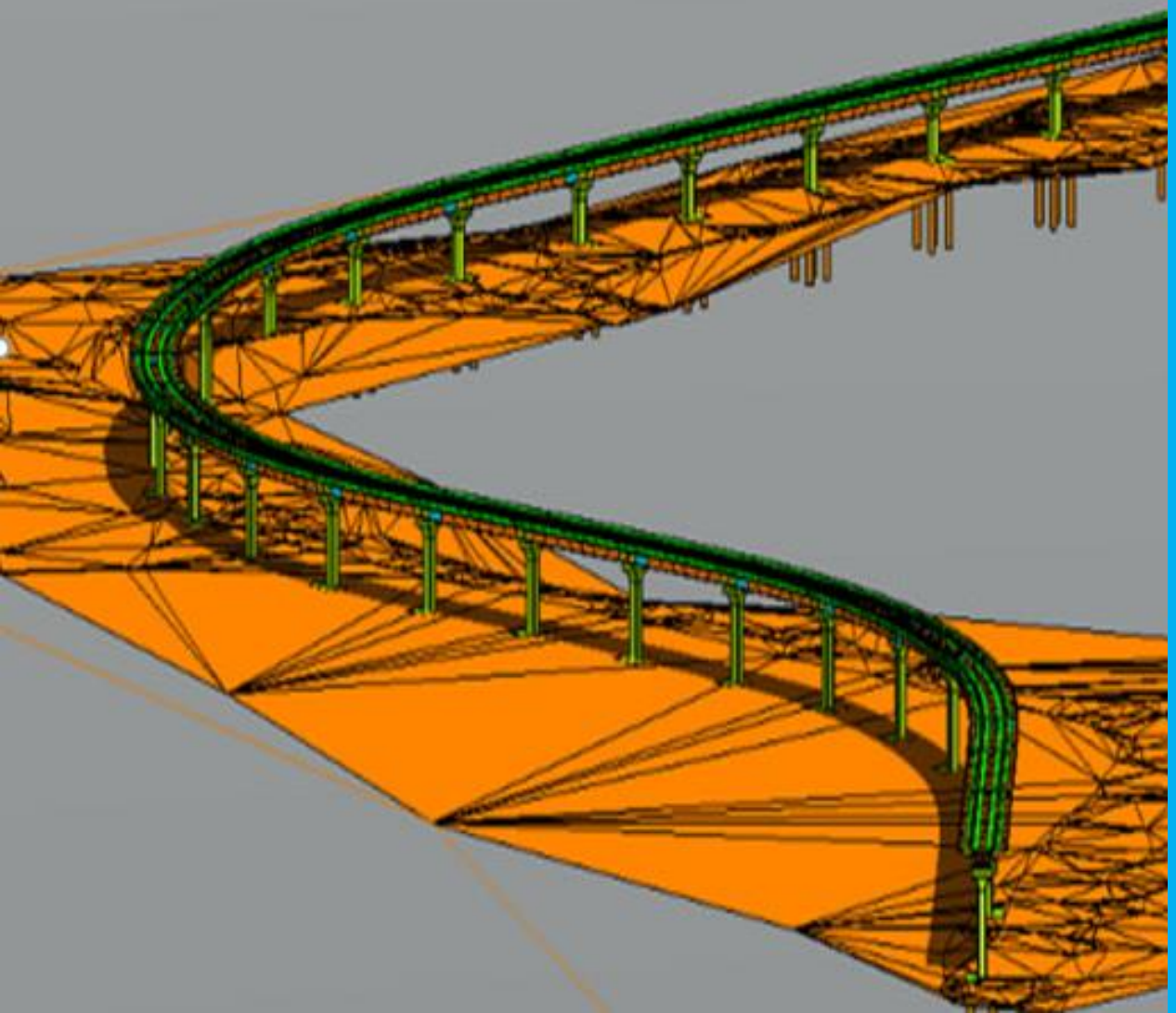
Bing Maps


Navigator CONNECT
CHB - Industrial Area
Select items with mouse click, drag, or tap. Hold CTRL to add or remove additional items.
Snaps
: 0

3sm Support


OpenRoads Modeling
D:\Civil Presentations\2018\YII 2018\Coff's Harbor\2. Detail Design\b. Corridor\Mainline Corridor Stage1.dgn [3D - V8 DGN] - OpenRoads Designer CONNECT Edition
File
Home
Terrain
Geometry
Corridors
Model Detailing
Drawing Production
Drawing
View
Search Ribbon (F4)
None
Default
Explorer
Attach Tools
Element Selection
Reports
Civil Analysis
Corridor Reports
Terrain Import
Import Geometry
Import IRD
OpenRoads Help
Open RSS Reader
Attributes
Primary
Selection
Model Analysis and Reporting
Model Import/Export
OpenRoads Help
View 1, Default
Reality Mesh Attachments
Tools
Edit
Hilite Mode:
None
File Name
Active Classifier
Export Resolution
...\Coff's Harbor\terrain.3sm
None
6.31698
Name
Target
Margin
Inside
Outside
Selected
View 2 - Top, Default-3D
Rotate View To Top
Multi-Model Views
Rotate View To Top > Select View
Default

“I’m not a skilled CAD user.”



- Simple interface and tools
- Workflow designed for Civil Review

- Where is the model and how do I find it?
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- How am I going to communicate issues back to the designer?

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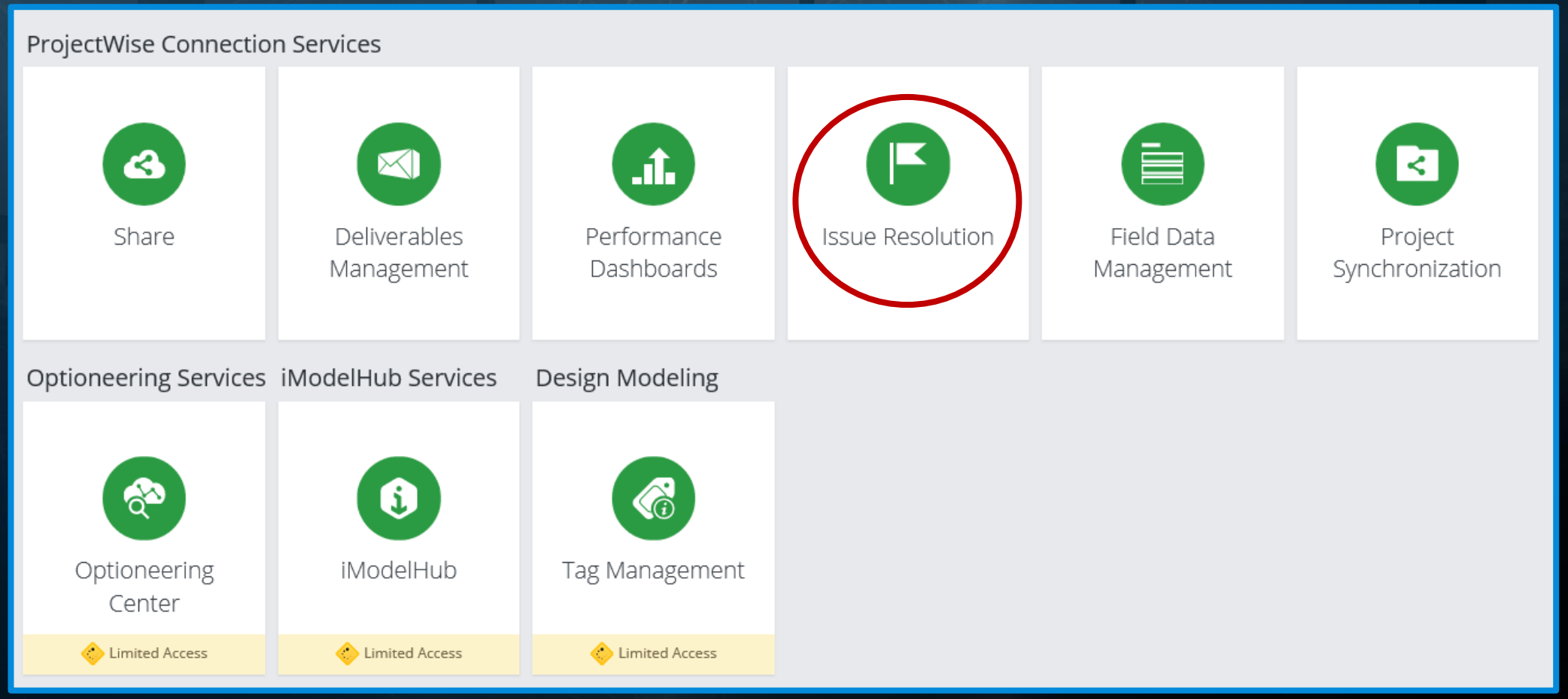
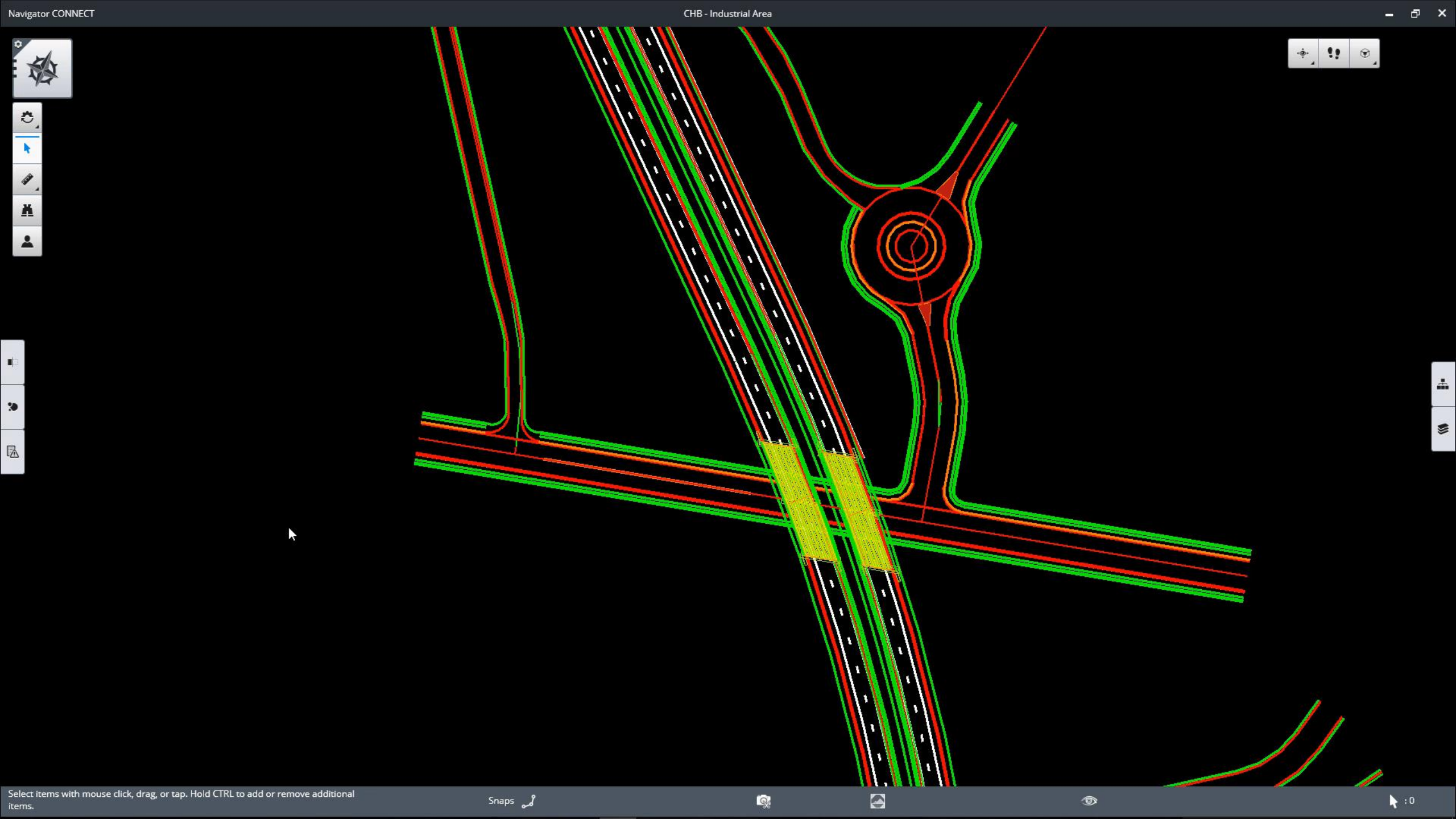
Issue Resolution

Another of the *Connection Services* I have access to is *Issue Resolution*.




Navigator CONNECT
CHB - Industrial Area
Select items with mouse click, drag, or tap. Hold CTRL to add or remove additional items.
Snaps
: 0

“How am I going to communicate issues back to the designer?”

- Reviewer creates issues in Navigator
- Issues are automatically synched to the Cloud
- Designer can now access those issues (Web, Civil product)

Embracing ~~Managing~~ Change

Have a great conference!

Derricke Gray, Industry Strategy Group

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Advancing Infrastructure

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