

VICTORIA AIRPORT GIS DASHBOARD

PAVEMENT MANAGEMENT AND OTHER USE CASES







A photograph of a modern building's exterior. The building features a light blue facade with vertical panels and a glass-enclosed corner section. Large, three-dimensional blue letters spelling "Victoria" are mounted on the side of the building. A curved, metallic duct or pipe runs along the roofline above the glass section. The sky is clear and blue.

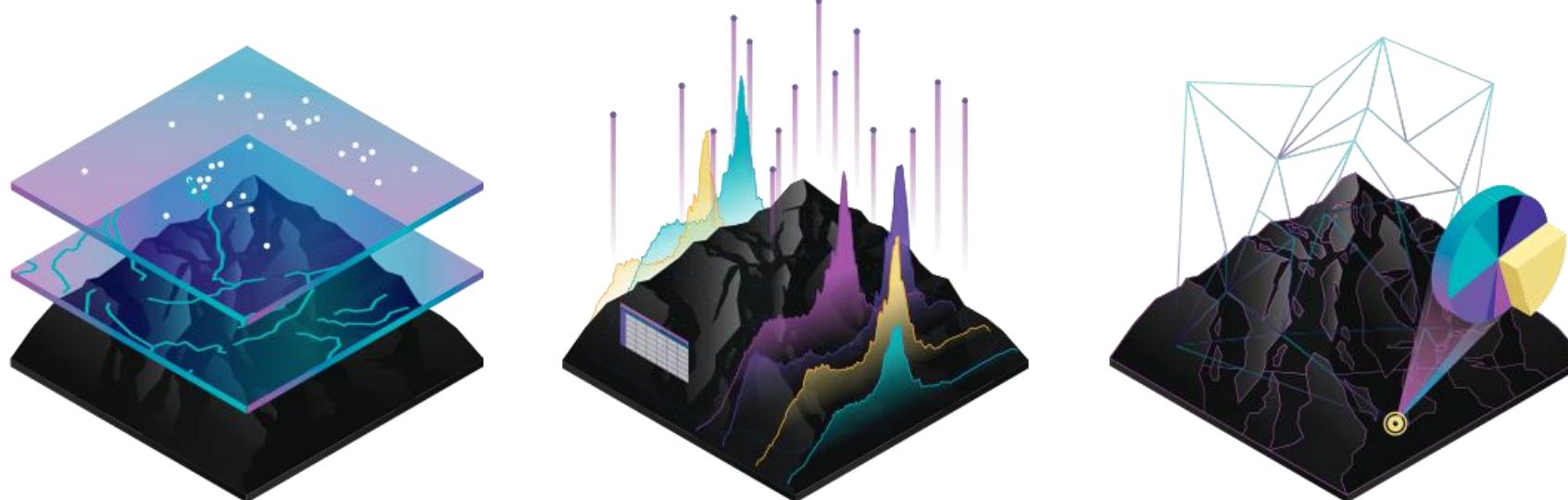
Victoria





What is GIS

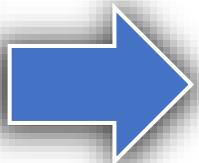
- GIS = Geographic Information System
- A framework for gathering, managing, and analyzing data
- It analyzes spatial location and organizes layers of information into visualizations using maps and 3D scenes.



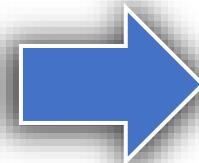
History of Data Management at YYJ



MicroStation



ArcGIS Desktop



ArcGIS Online

Enabling Everyone at YYJ to Use the GIS

- 20 years building Main Data Repository is an ESRI File Geodatabase
- Formatted CAD DATA Exported from GIS Daily
- ArcGIS Online – Since 2017 Have fully embraced it.

MAPS

[VAA Services](#)

[Airfield Electrical](#)

[Historical Air Photos](#)

[Tenants](#)

[Runway Limitations](#)

[Building Interior](#)

[OLS Obstacle Management](#)

[Airfield Paint](#)

[Planning](#)

[Apron IV Parking](#)

3 D MAPS

[OLS Obstacle Management 3D](#)

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AIRPORT

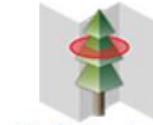
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Web App - Airphotos

Desktop Airphoto App





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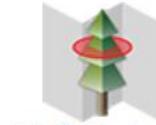


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Web App - Airfield Electrical

Desktop Airfield Electrical App



Lights 886

Signs 107

Points 1,772

Circuits 25





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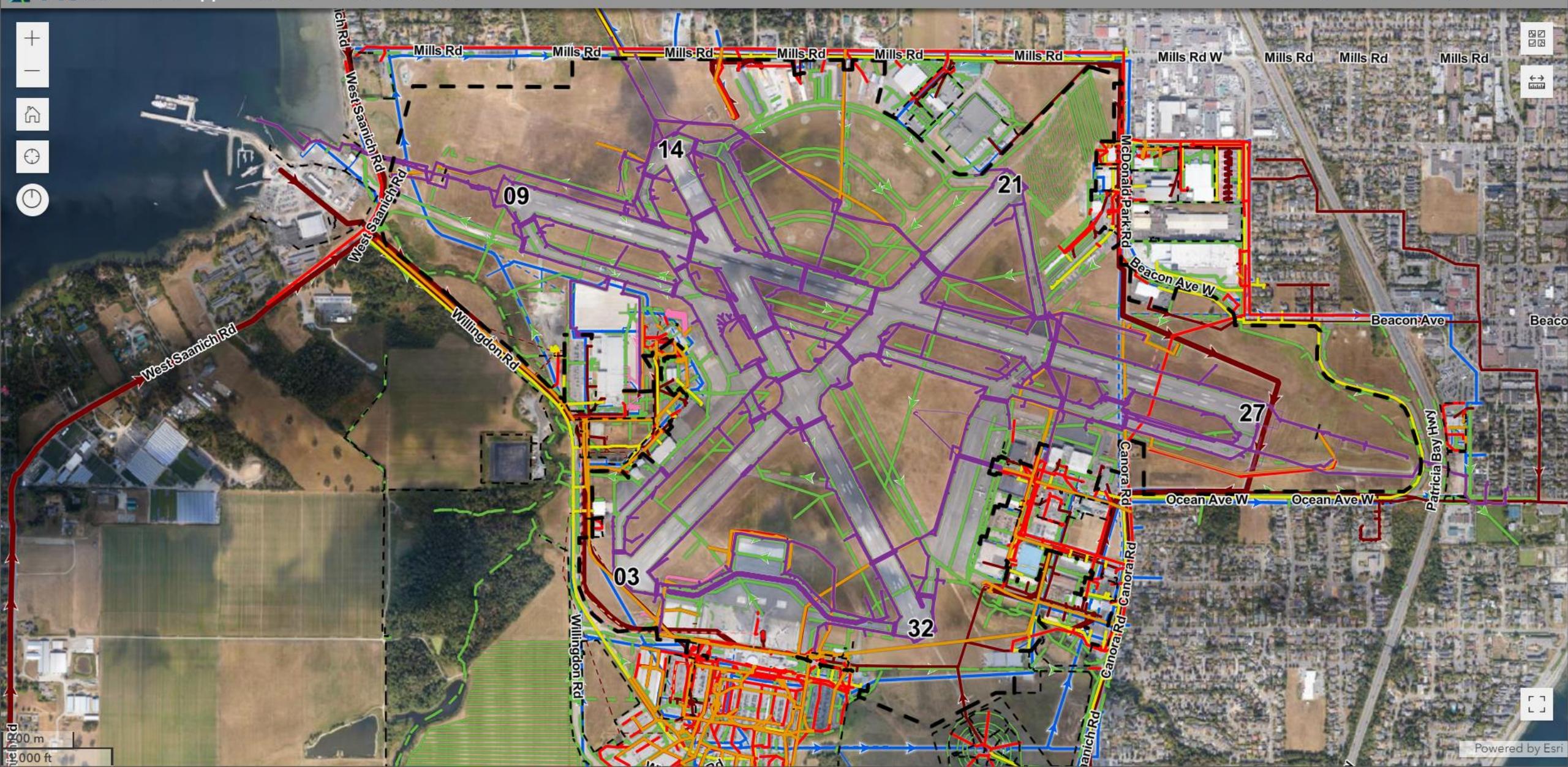
[Apron IV Parking](#)

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 YYJ VICTORIA INTERNATIONAL AIRPORT Web App - Services Desktop Services Ma

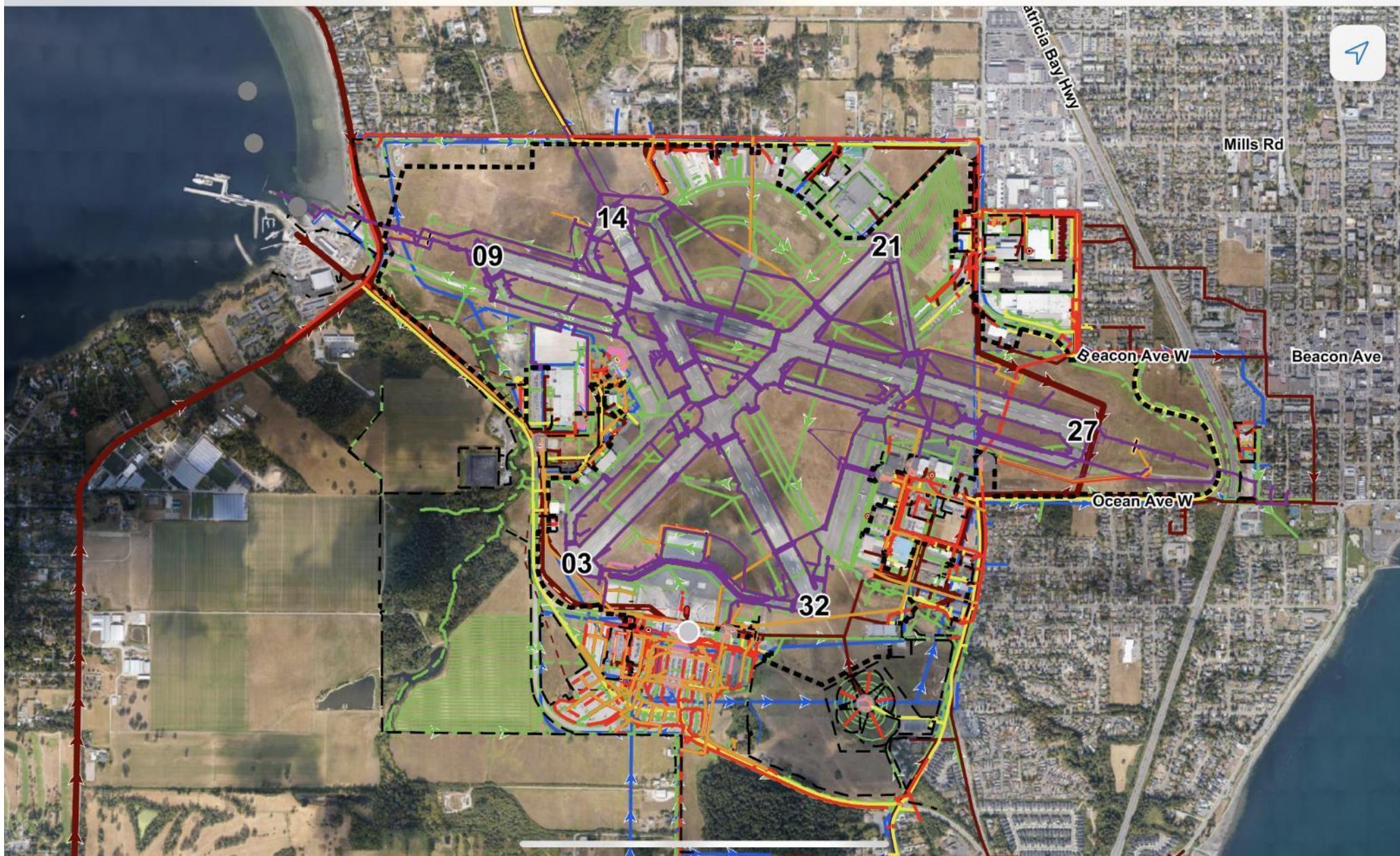


< Maps

Services



GPS accuracy 11 m · 10 m required



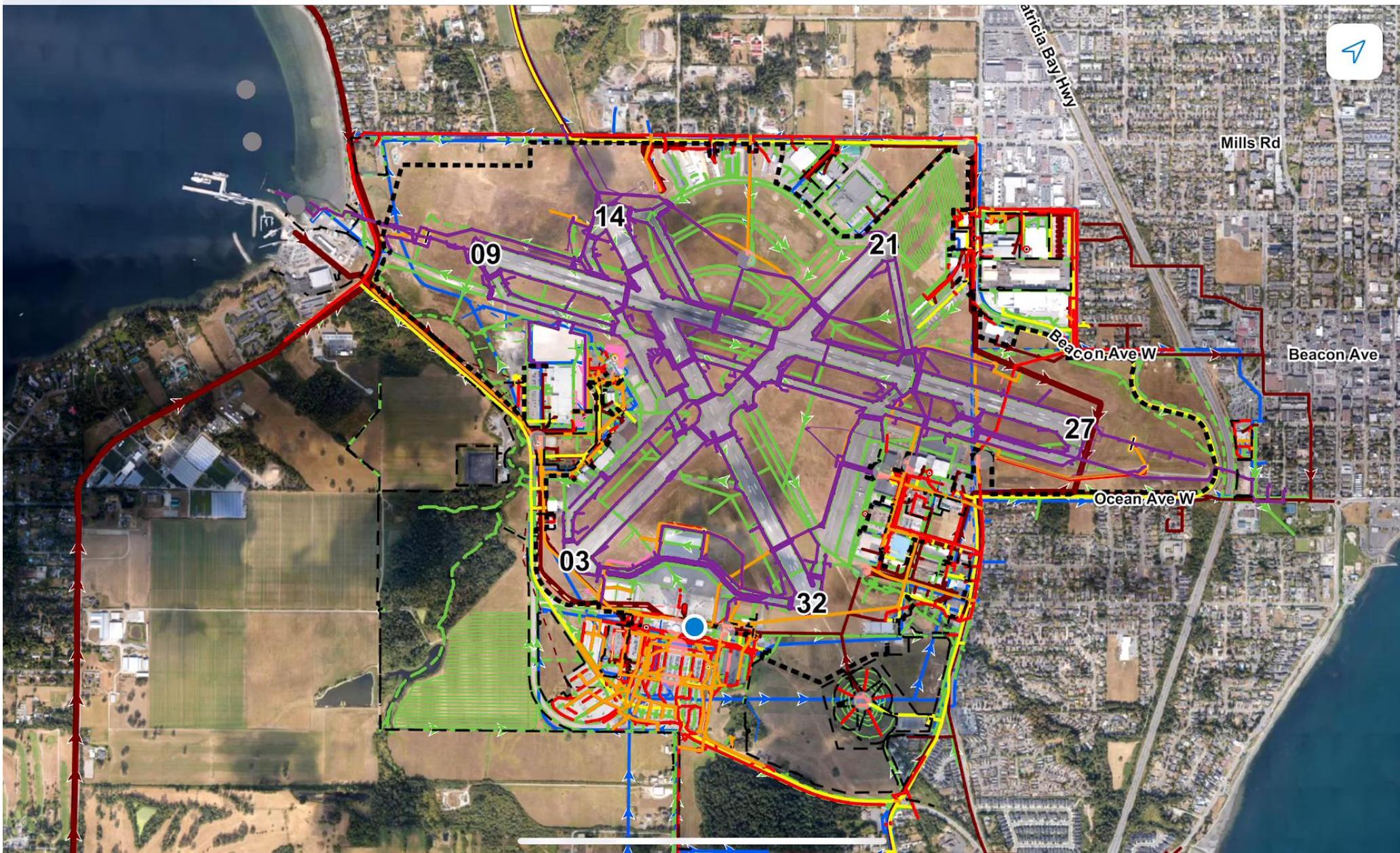
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Services



...

GPS accuracy 21.7 m · 10 m required



8:44 1

LTE 85

< Maps



GPS accuracy 16.5 m · 10 m required

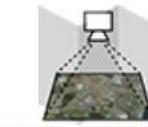


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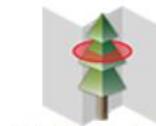
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Add Data

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URL

File

My Organization

pavement

 Within map...

Type

Relevance

AIRFIELD PAVEMENT CLASSIFICATION

Feature Service by victoriaairport



Airfield Pavement Classification

[ADD](#) [DETAILS](#)

AIRFIELD PAVEMENT WEIGHT RESTRICTIONS

Feature Service by victoriaairport



Airfield Pavement Weight Restrictions

[ADD](#) [DETAILS](#)

AIRFIELD PAVEMENT HISTORY

Feature Service by victoriaairport



Airfield Pavement History Areas

[ADD](#) [DETAILS](#)

APAV_INSPECTION_2022

Feature Service by victoriaairport



APAV_INSPECTION_2022

[REMOVE](#) [DETAILS](#)

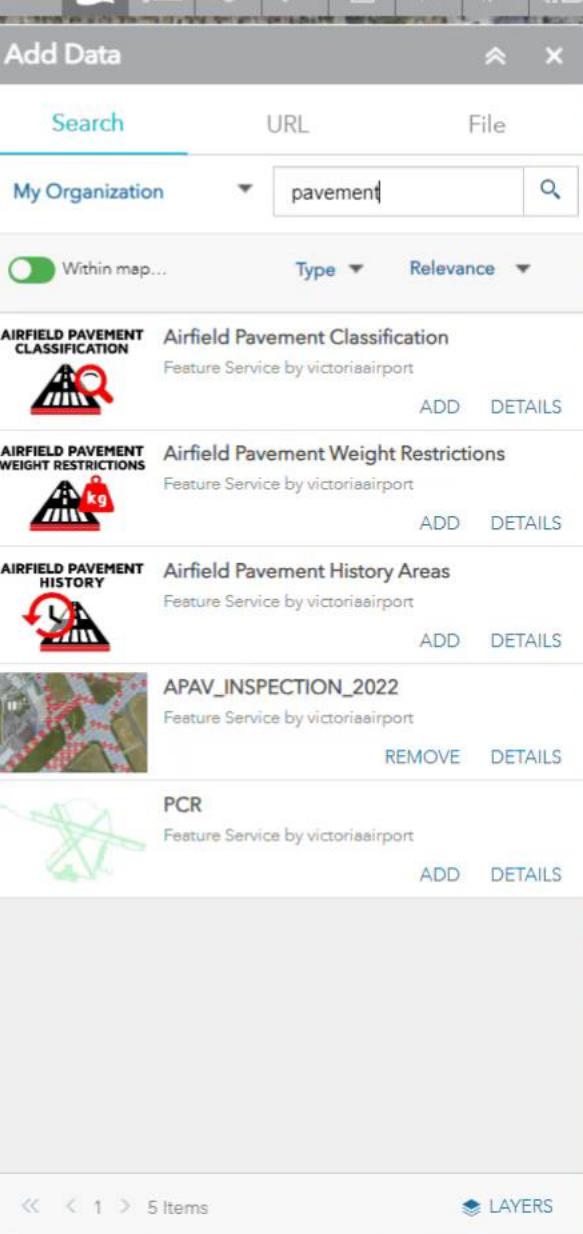
PCR

Feature Service by victoriaairport



PCR

[ADD](#) [DETAILS](#)

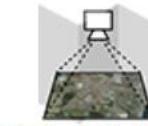


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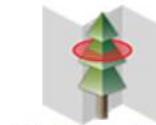
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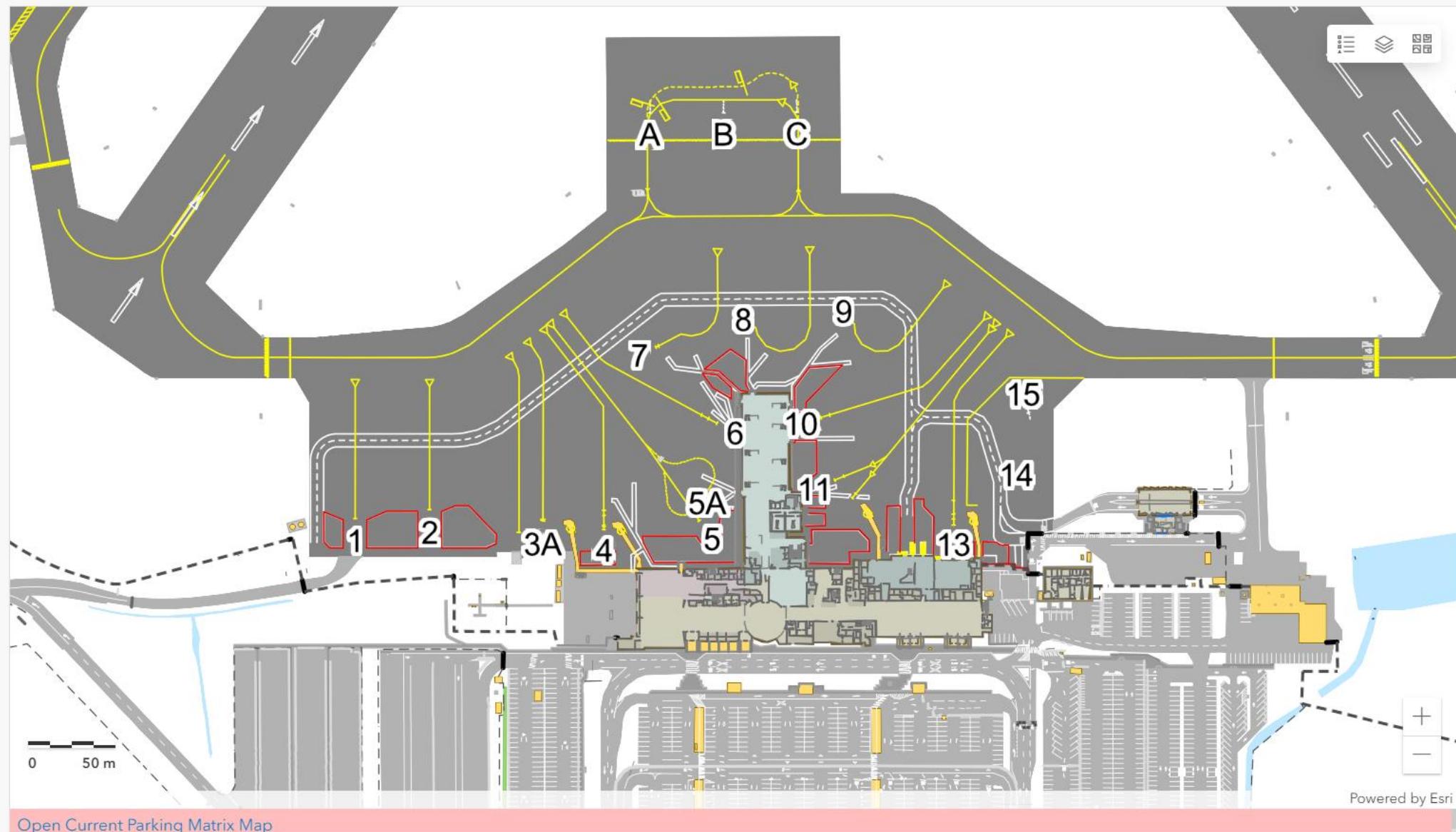
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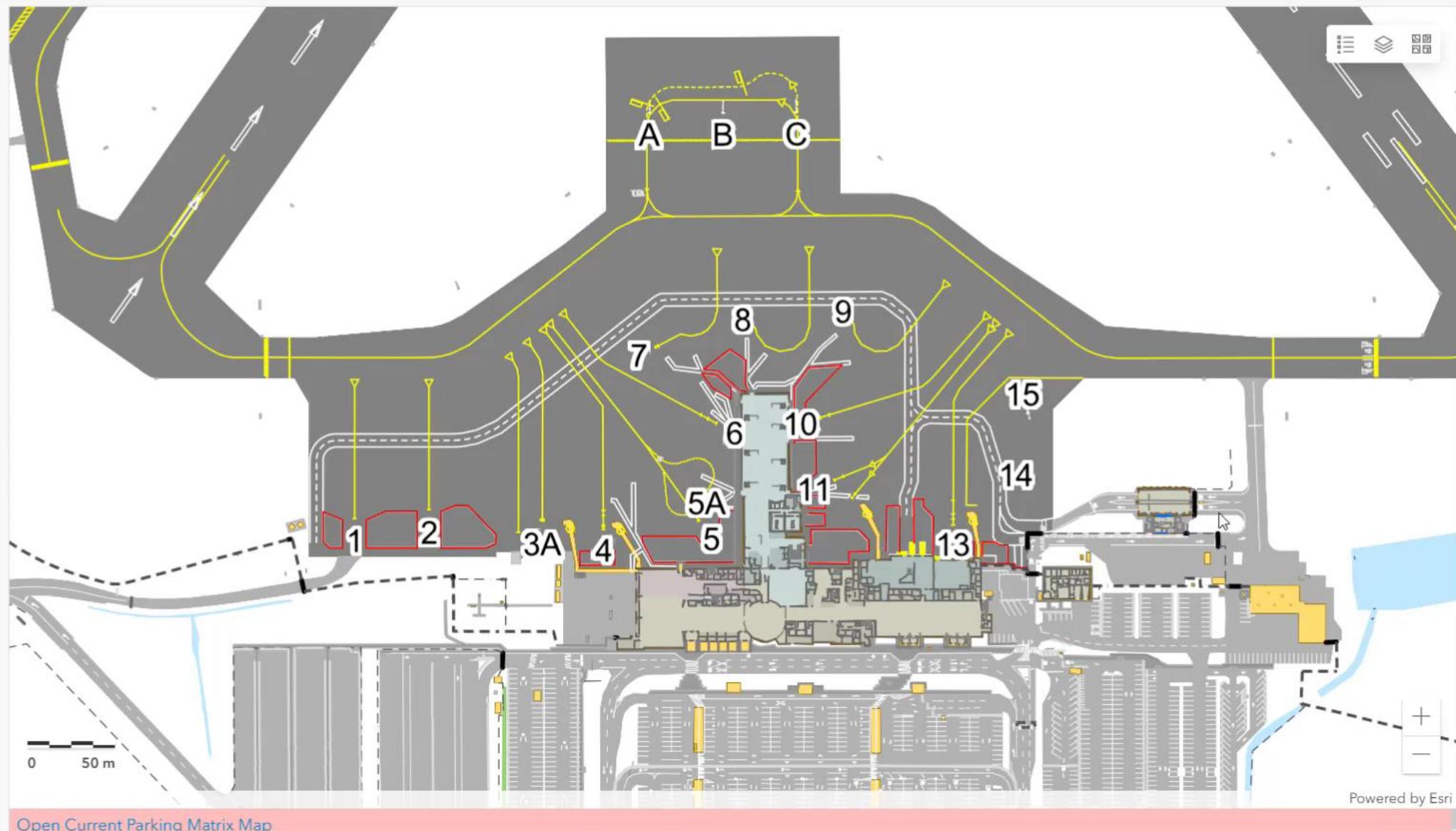
Apron IV Aircraft Parking

Select Plane

 Stand 1
No Aircraft Stand 2
No Aircraft Stand 3
No Aircraft Stand 3A
No Aircraft Stand 4
No Aircraft Stand 5
No Aircraft Stand 5A
No Aircraft Stand 6
No Aircraft Stand 7
No Aircraft Stand 8
No Aircraft

YYZ Apron IV Aircraft Parking

Select Plane

 Stand 1
No Aircraft Stand 2
No Aircraft Stand 3
No Aircraft Stand 3A
No Aircraft Stand 4
No Aircraft Stand 5
No Aircraft Stand 5A
No Aircraft Stand 6
No Aircraft Stand 7
No Aircraft Stand 8
No Aircraft

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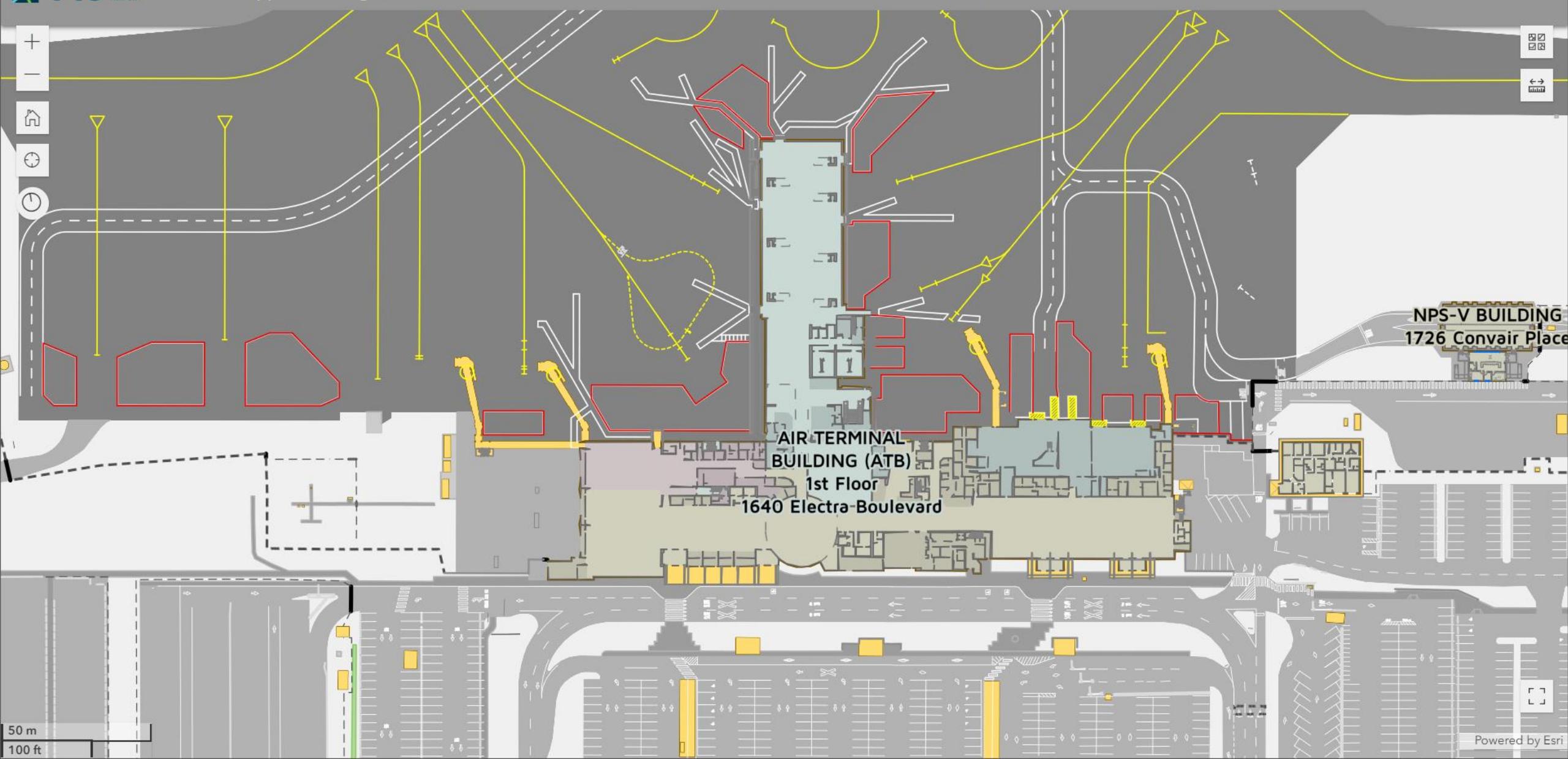
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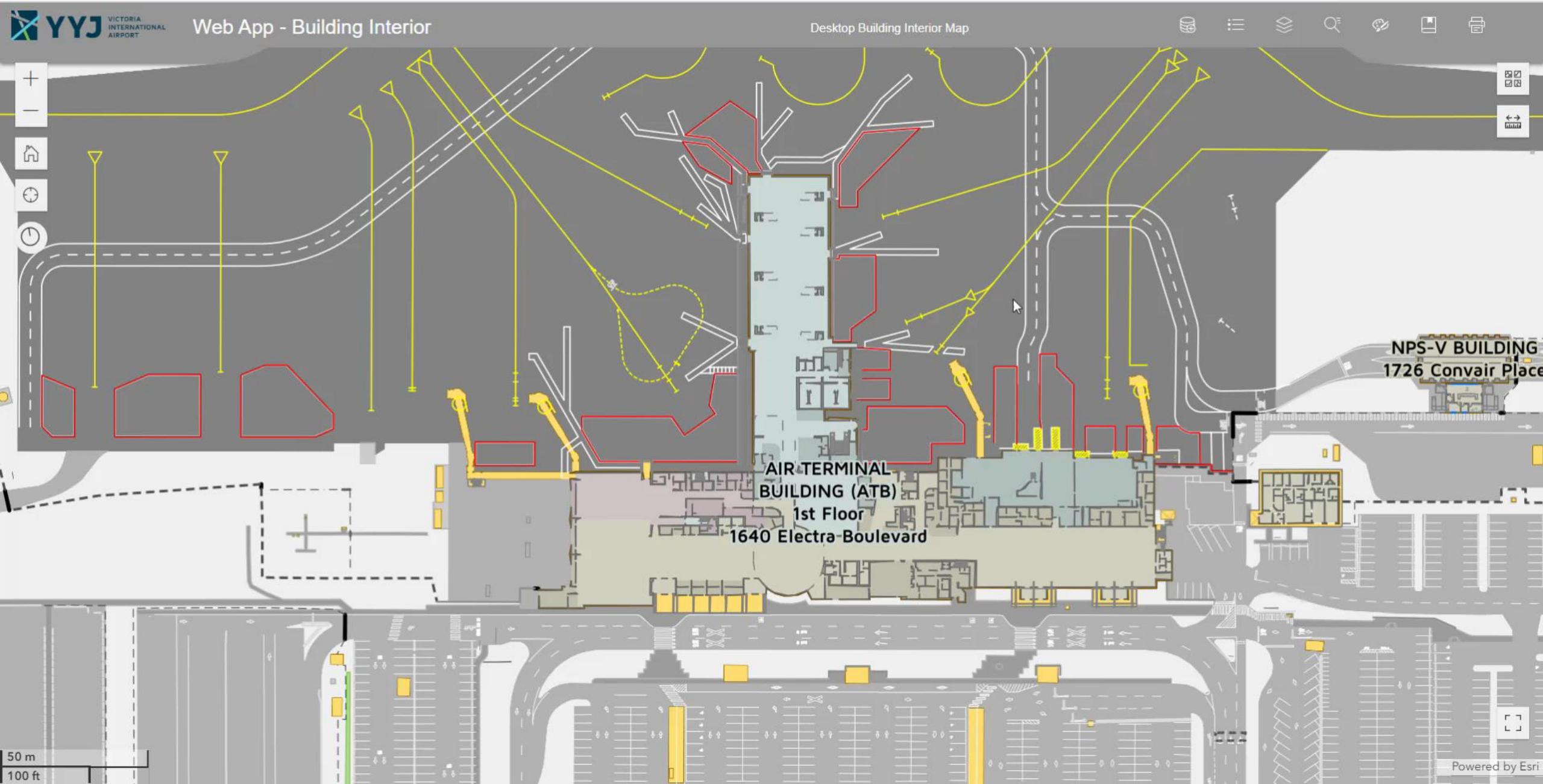
[OLS Obstacle Management 3D](#)



Web App - Building Interior

Desktop Building Interior Map







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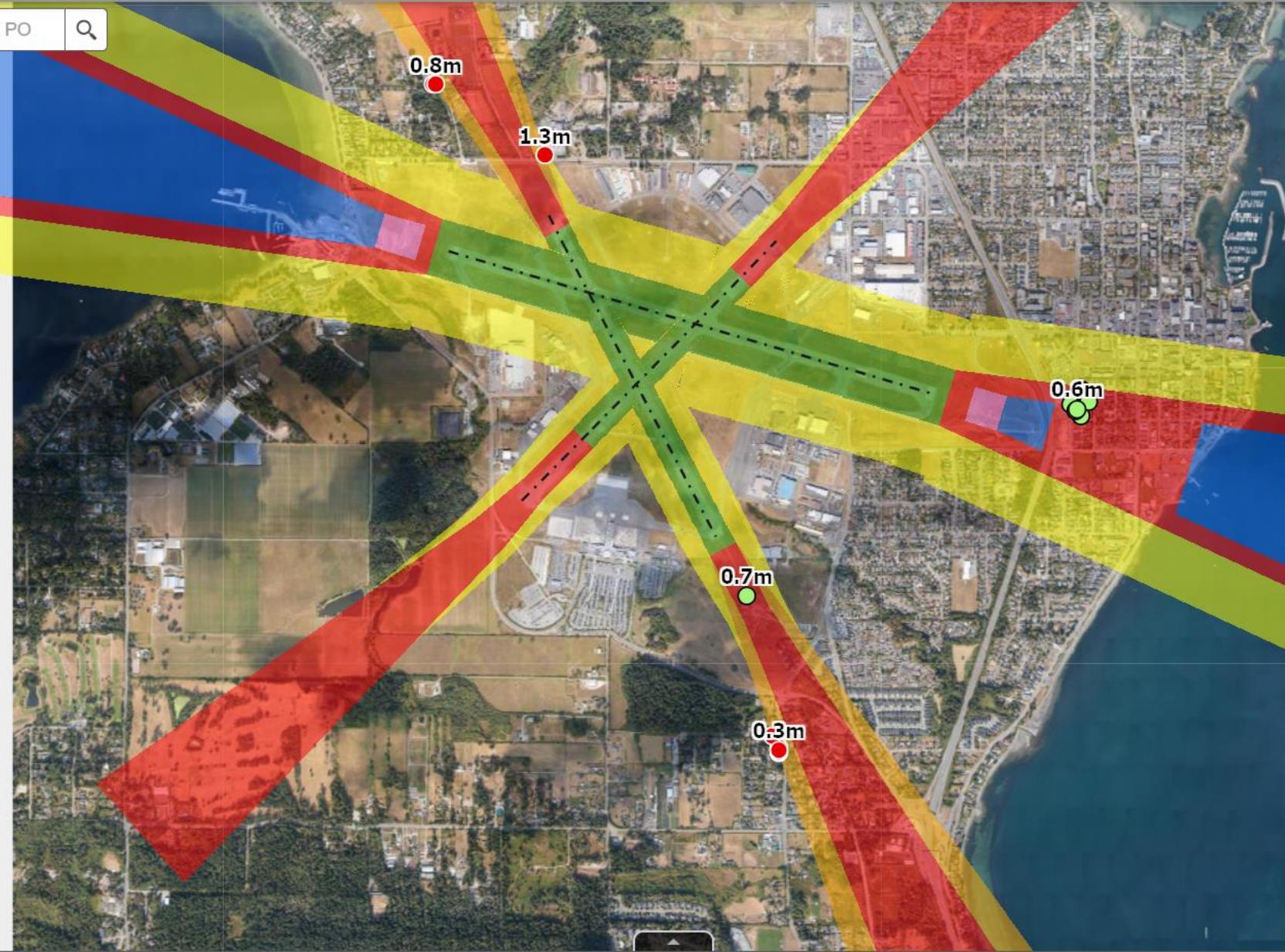


App - OLS Obstacle Management 2D

Desktop Obstacle Management



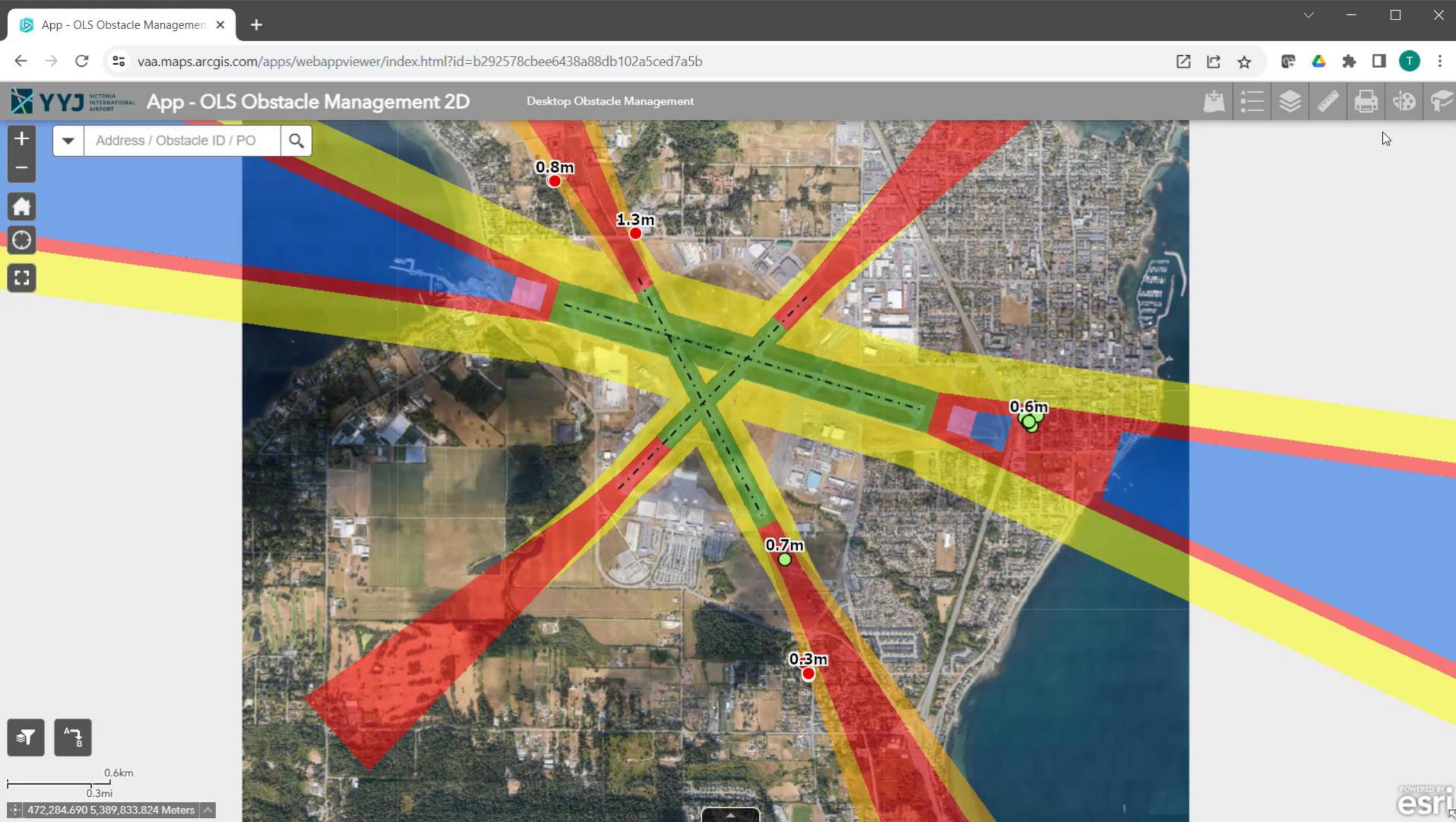
Address / Obstacle ID / PO

A
B

0.6km

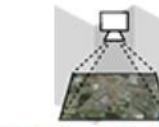
0.3mi

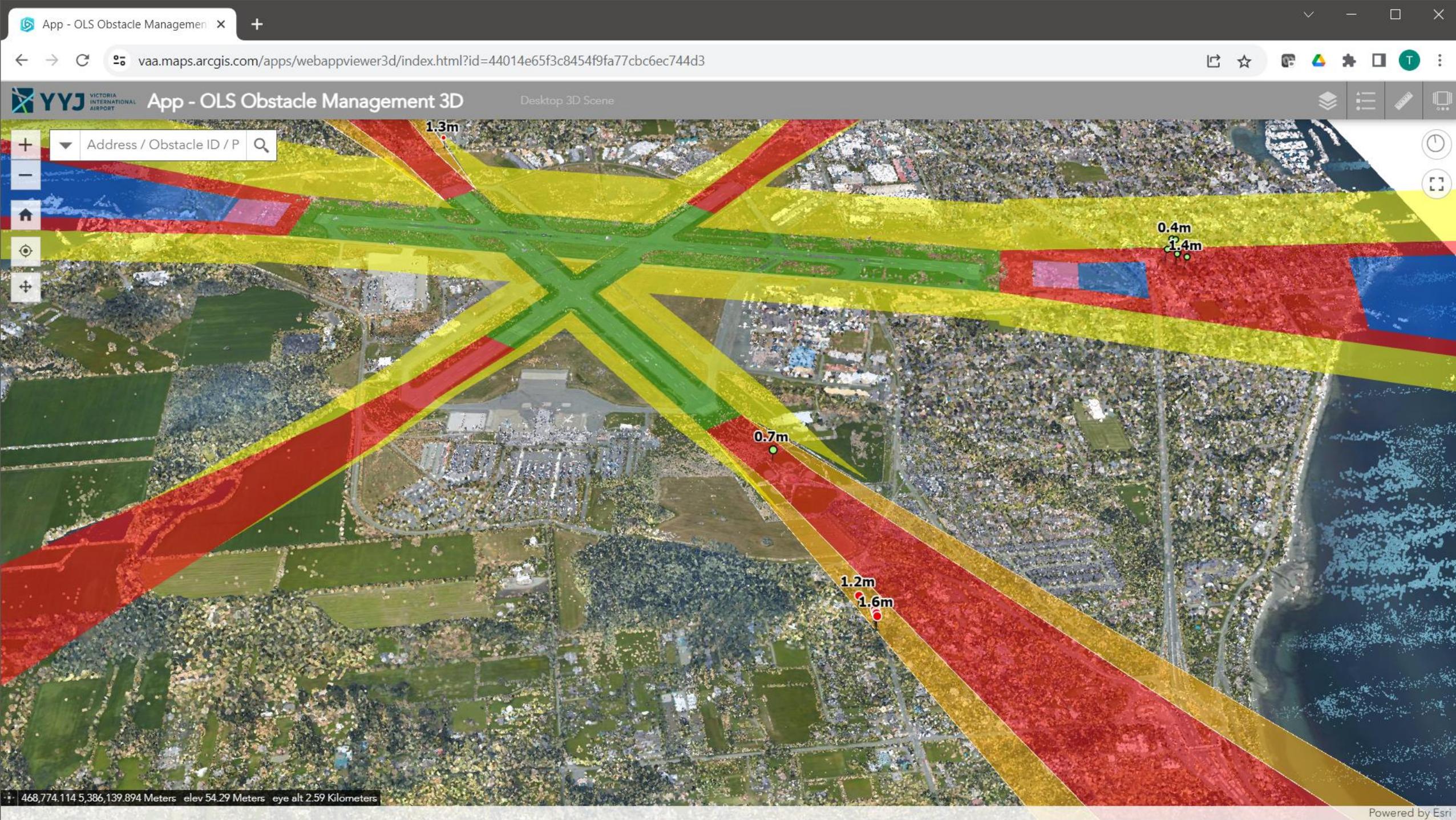
470,491.107 5,388,397.875 Meters

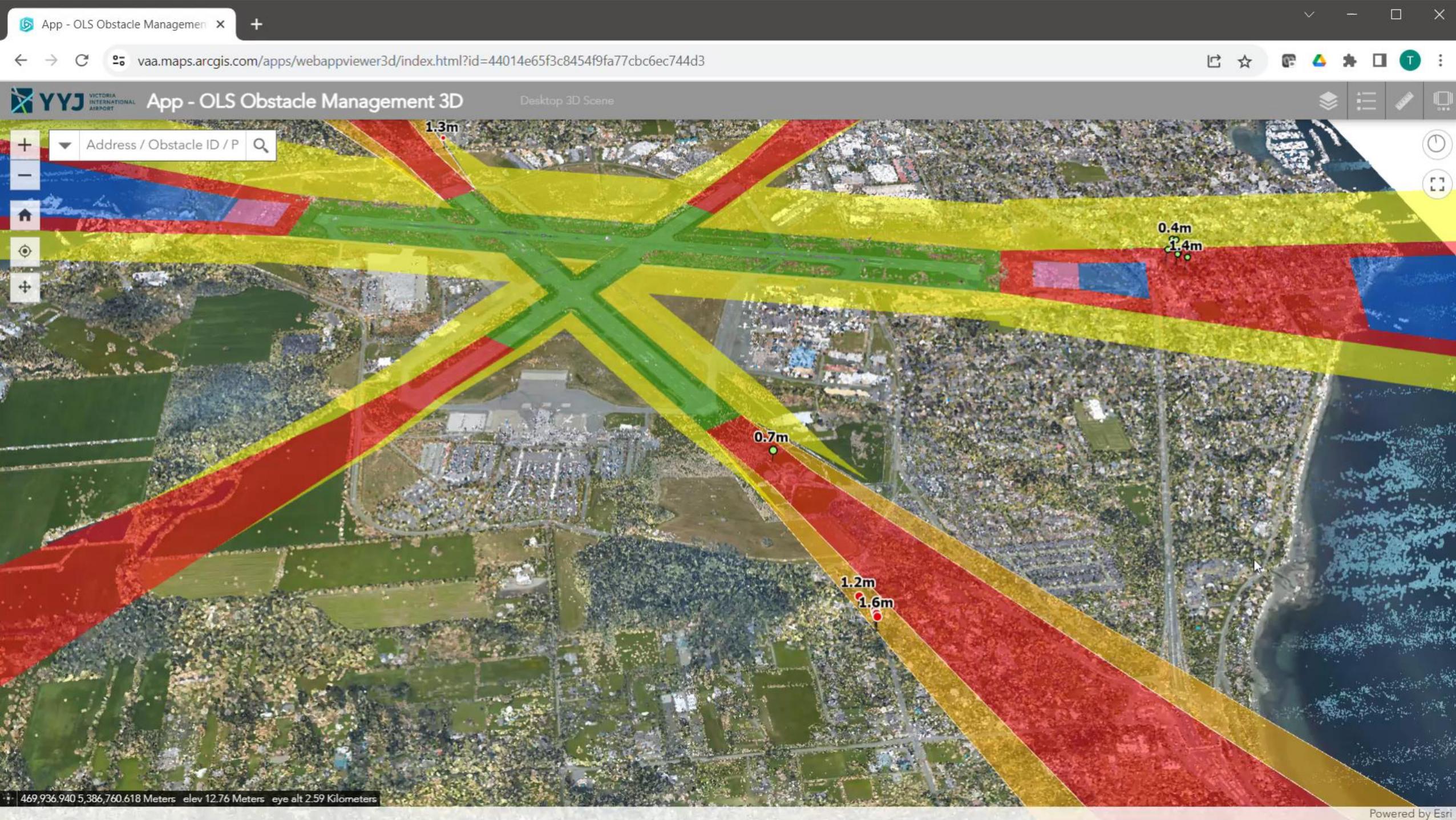




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THANK YOU

Tim.Albert@VictoriaAirport.com



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