## Lab 3 Networking on AGOL

This lab Will perform the "Find Routes" funcion on AGOL.

## Run this cell to connect to your GIS and get started:

```
In [1]: from arcgis.gis import GIS
    gis = GIS("home")

    /opt/conda/lib/python3.6/site-packages/arcgis/gis/__init__.py:407: Us
    erWarning: You are logged on as rosen656_UMN with an administrator ro
    le, proceed with caution.
        self.users.me.username)
```

## Now you are ready to start!

Adding the layers from Arc Pro.

```
In [2]: # Item Added From Toolbar
# Title: Orders | Type: Feature Service | Owner: rosen656_UMN
Orders = gis.content.get("b9e03f6f99f149cda0d9947fb343b8a3")
Orders
```

Out[2]:



<u>Orders (https://www.arcgis.com</u>/home/item.html?id=b9e03f6f99f149cda0d9947fb343b8a Lab 3 orders



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(https://www.arcgis.com

/home/item.html?id=b9e03f6f99f149cda0d9947fb343b8a3)

1 of 3 3/30/2021, 4:09 PM

```
In [3]: # Item Added From Toolbar
# Title: Routes_2 | Type: Feature Service | Owner: rosen656_UMN
Routes = gis.content.get("1d0d4f2924224e5a9f11f249456d9f73")
Routes
```

Out[3]:



Routes 2 (https://www.arcgis.com /home/item.html?id=1d0d4f2924224e5a9f11f249456d9f7 lab 3 routes



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(https://www.arcgis.com

/home/item.html?id=1d0d4f2924224e5a9f11f249456d9f73)

In [4]: # Item Added From Toolbar
# Title: Depots | Type: Feature Service | Owner: rosen656\_UMN
Depot = gis.content.get("8b921de954ff4416a0ccd61f59dbe630")
Depot

Out[4]:



<u>Depots (https://www.arcgis.com</u>/home/item.html?id=8b921de954ff4416a0ccd61f59dbe6; Lab 3 Depot



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(https://www.arcgis.com

/home/item.html?id=8b921de954ff4416a0ccd61f59dbe630)

In [15]: # Item Added From Toolbar
# Title: Barrier\_D | Type: Feature Service | Owner: rosen656\_UMN
barrier = gis.content.get("d4476c0ba78e4428807de10a5e2a3247")
barrier

Out[15]:



<u>Barrier\_D (https://www.arcgis.com</u>/home/item.html?id=d4476c0ba78e4428807de10a5e2a3 Barrier for Lab 3

0

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(https://www.arcgis.com

/home/item.html?id=d4476c0ba78e4428807de10a5e2a3247)

## **Plan Routes**

2 of 3 3/30/2021, 4:09 PM

It worked, but I was unable to put in start and end times so it will not follow all the stop rules. Also, while the function had a parameter for barriers, it would not allow me to add it because it covered too many features.

3 of 3