

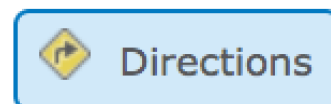


MapToLearn

Creating student success, one map at a time

Newsletter - Vol. 2, No. 5, March 28, 2018

Directions Layer



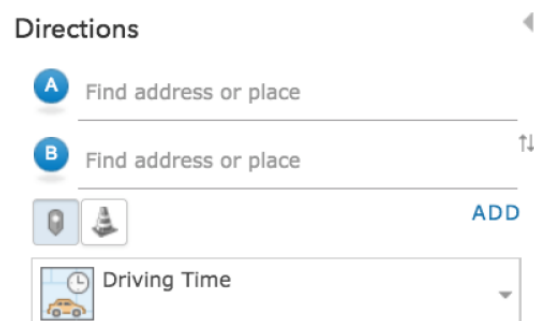
ArcGIS Online is able to calculate the time it takes to get from point A to point B using one of four travel modes. **Walking, Driving, Trucking** and **Rural Driving** take into account the driving conditions, speed limits, barriers and traffic to optimize travel time.

- Walking is limited to 5 km/h on roads that allow pedestrian traffic
- Rural Driving is similar to Driving but does not discourage travel on unpaved roads
- Trucking prefers trucking routes and obeys the truck speed limit

What follows, are the steps in creating a layer that uses the Directions tool in ArcGIS Online.

Creating

Click on the Directions tool to add a starting point **A** and an ending point **B**. These points can be specified by address, place name, clicking on the map or hovering over the field and clicking the **Find my location** button.



For a more detailed list of steps see [ArcGIS Online Help](#).

Editing

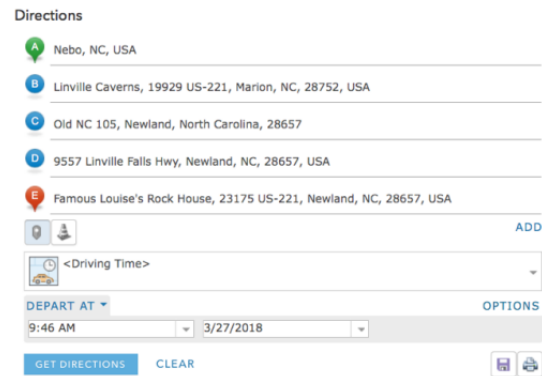
Once two points are entered, a

route will draw on the map and turn-by-turn driving directions will appear in the side panel.

Many changes can be made to update the route:

- add another destination or waypoint
- drag the white points on the map to create an alternate route
- change the travel mode from the dropdown menu
- reorder by reversing the direction or moving points up or down in the side panel
- introduce barriers to avoid specific areas
- create a round-trip

To finish, click on the disk icon and specify a layer name and folder to save the route.



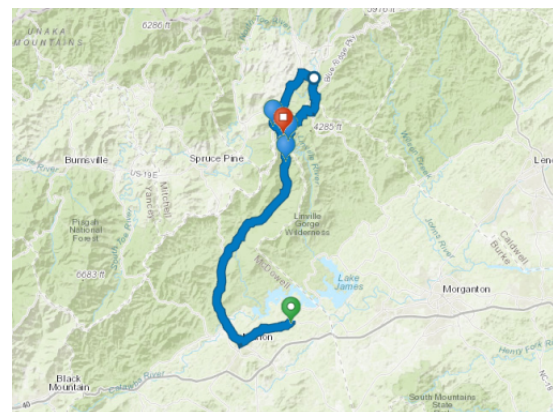
Direction Layer

Toggle the Directions button to see the contents (layers) of the map. The direction layer, Nebo-Linville Falls, can now be used in maps and story maps.

Contents

Nebo-Linville Falls

- Stops
- Waypoint
- DirectionPoints
- DirectionLines
- RouteInfo



Side Panel

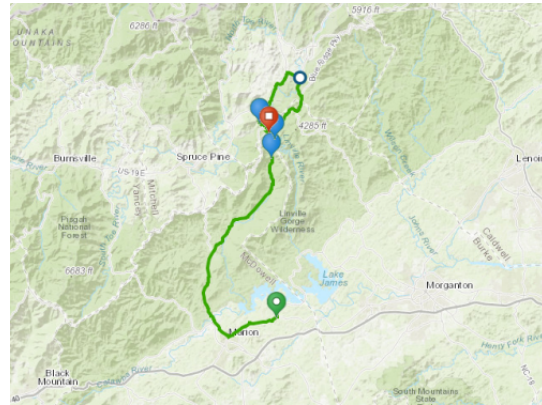
Expanding the Direction layer shows that it consists of four sub-layers. Each of which can be toggled on/off and edited to change the style.

Route Map

Before formatting, the layer displays your starting, stopping and additional points including the alternate route option (white point).

Formatting RouteInfo

First, turn off the DirectionLines sub-layer. Changing the style on the RouteInfo sub-layer allows a unique symbol for the route. A line width of 4 pixels is adequate.



Formatting Stops

Changing the style on the Stops sub-layer allows for unique symbols for each stop. To hide a stop from showing (like the alternate route), change the colour and width to match the route style.

Change Style

Nebo-Linville Falls - Stops

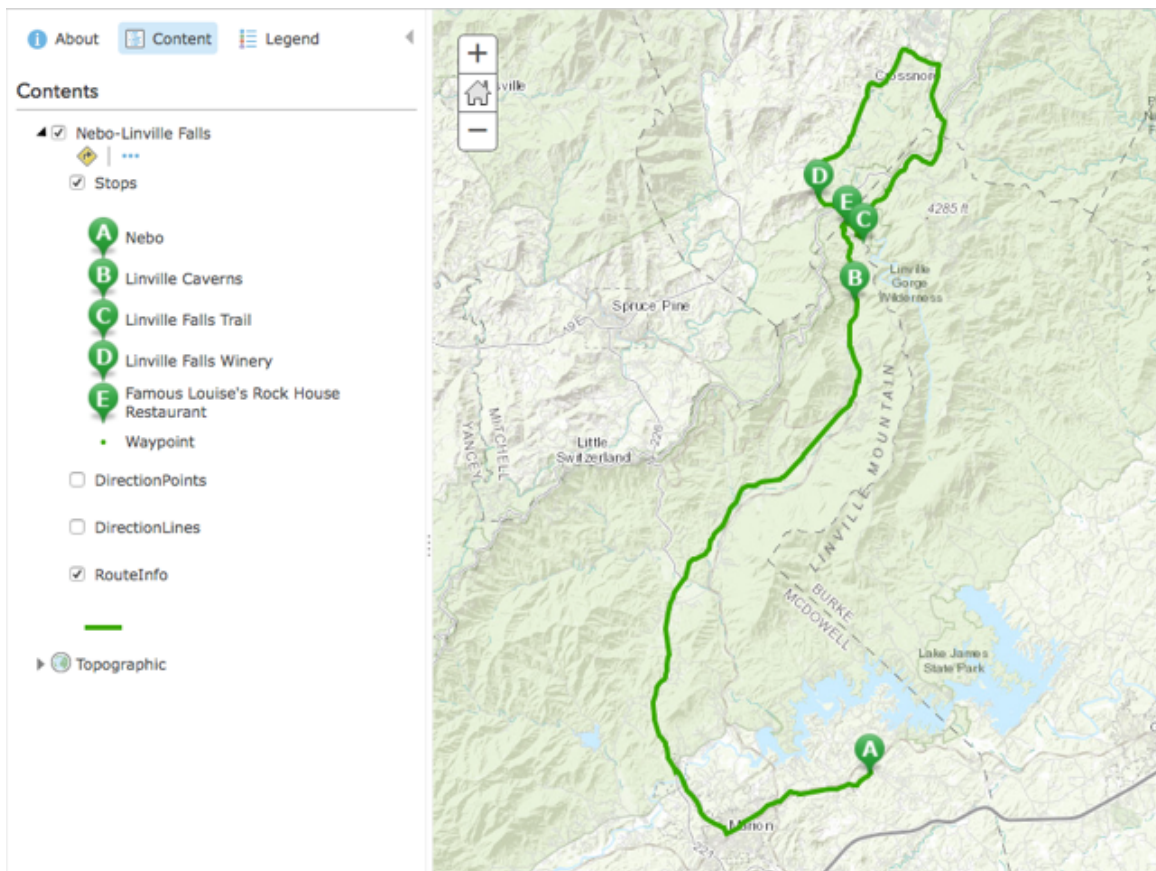
Sequence

Click to edit symbol or label.

LABEL	COUNT	Symbols
A Nebo	1	
B Linville Caverns	1	
C Linville Falls	1	
D Linville Falls Winery	1	
E Famous Louise's Rock House Restaurant	1	
Waypoint	1	
Other	0	Ungroup

Day Trip in North Carolina

The directions layer is now part of a map. Images, other media and layers can now be added to tell the whole story.



See the [map](#) and a sample [story map](#) based on this day trip.

Previous Newsletters

Did you miss one? You can find them on our blog at: <http://maptolearn.ca/blog/>.



Best regards!

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