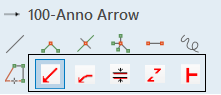
**ORMAP Arrow Tool (Addin) Draft (12/31/21)**

The arrow tool relies is an “Addin” which requires an installation. This process is pretty easy. Once you have downloaded the Addin File (ie. ORMAPArrowTools-20211223-1800.esriAddinX) simply double click on it will automatically be accessible in your ArcPro Session. When you get an update you must first uninstall the current Addin (Projects Menu 🡪 Add-In Manager 🡪 DeleteThis Add-In Button), then close your session and double click on the new addin file to install it. The addin tools will automatically appear as new options when you create your cartographic line features as follows:

**Single Arrow Tool – create a single arrow feature** 

Changing style (options):  Change style at any time.  Current style is indicated by a checkmark next to the menu item.  If a feature is under construction when a new style is chosen from the context menu, a warning appears along with the option to abandon the current feature construction or continue to change the style

Straight Arrow

Click on map to twice for the start and end of the arrow.

Context menu (right click

Update last point - Toggles update mode lets you click to move last point

Finish arrow – finish arrow

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Straight Arrow Style  - keep with this style

Leader Arrow Style – change to leader Arrow Style

Zigzag arrow style – change to zigzag Arrow Style

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Switch arrowhead –Shift-S – switch what end the arrow heads are at

Select new arrow – makes arrow the selected set

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Cancel – Esc – leave this menu and do not save changes

Leader

Click on map to create three points (start, breakpoint, end point)

Context menu (right click)

Update last point - Toggles update mode lets you click to move last point

Finish arrow – finish arrow

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Straight Arrow Style  -change to straight Arrow Style

Leader Arrow Style – keep with this style

Zigzag Arrow style – change to zigzag Arrow Style

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Switch arrowhead –Shift-S – switch what end the arrow heads are at

Select new arrow – makes arrow the selected set

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Cancel – Esc – leave this menu and do not save changes

Zigzag

Click on map twice for the start and end of the arrow

Context menu (right click)

Update last point - Toggles update mode lets you click to move last point

Finish arrow – finish arrow

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Straight Arrow Style  - change to straight Arrow Style

Leader Arrow Style – change to leader Arrow Style

Zigzag Arrow style – keep with this style

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Slide toward start – incrementally slide zigzag towards start

Slide toward end– incrementally slide zigzag towards send

Narrower – make zigzag narrower

Wider – make zigzag wider

Less curve

More curve

Use default settings  - Set back the way it was

Flip arrow – Shift-F – Flip arrow so zigzag is on opposite side

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Switch arrowhead –Shift-S – switch what end the arrow heads are at

Select new arrow – makes arrow the selected set

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 Cancel – Esc – leave this menu and do not save changes

**Dimension Arrows Tool – Create a pair of curved dimension arrows  **

Click on map twice for the two endpoints of the arrow pair and a third click set the offset and side of the line it will be drawn at.

Context menu (right click)

Update end point – Lets you click to move last point

Finish arrow – finish arrow

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Shorter – Space

Longer – Shift Space

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Scales (change to match template for arrow tool based on map scale)

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Switch arrowhead –Shift-S – switch what end the arrow heads are at

Select new arrow – makes arrows the selected set

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****Cancel – Esc – leave this menu and do not save changes

**Straight Arrows Tool – create a pair of opposed straight arrow features**

Click on map twice for the two start points of the straight arrow features (defines the gap)

Context menu (right click)

Update second point – Lets you click to move last point

Finish arrow – finish arrow

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Shorter – Space – arrow length is incrementally shortened

Longer – Shift Space – arrow length is incrementally lengthened

Flip Arrows – flips direction of arrows

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Scales (change to match template for arrow tool based on map scale)

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Switch arrowhead –Shift-S – switch what end the arrow heads are at

Select new arrow – toggles to select new arrows

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Cancel – Esc – leave this menu and do not save changes

**Land Hook – create a land hook feature **

Click on map twice to define the gap and orientation of land hook

Context menu (right click)

Update second point – Lets you click to move last point

Finish arrow – finish arrow

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Shorter – Space – arrow length is incrementally shortened

Longer – Shift Space – arrow length is incrementally lengthened

Flip Arrows – flips direction of arrows

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Scales (change to match template for arrow tool based on map scale)

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Switch arrowhead –Shift-S – switch what end the arrow heads are at

Select new arrow – toggles to select new arrows

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Cancel – Esc – leave this menu and do not save changes

**Road Tic Tool** – Creates a road tic feature 

Click on map twice to define the start point and direction of road tic

Context menu (right click)

Update second point – Lets you click to move last point

Finish arrow – finish arrow

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Scales (change to match template for arrow tool based on map scale)

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Switch arrowhead –Shift-S

Select new arrow – toggles to select new arrows

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Cancel – Esc – leave this menu and do not save changes

**Change Reference Scale List** - For those features that have the options to change reference scale the list of reference scales can be changed. When the tool selected (ie. dimension arrow), select the right arrow in the upper corner of the template (usually used to specify attributes). Select the option “Set Required scale) and select a text file that contains the list. The format of the text file is a series of left justified numbers representing each scale as illustrated below.

100

200

400

2000

This file can be saved anywhere with any name but it is recommended to save it in the ORMAPTools subdirectory called “refscales.txt”.