

## Introduction to ArcGIS Pipeline Referencing

The ArcGIS Pipeline Referencing extension to ArcGIS provides advanced linear referencing capabilities to pipeline operators. Using real-world examples, this course teaches essential concepts and workflows to map and visualize pipeline data, define behavior for events and route associations, and maintain accurate pipeline data over time. Familiarity with linear referencing terminology is assumed.

### Course Topics

- Product overview
- Essential vocabulary
- Information model and event data model

#### Linear referencing system (LRS) route editing

- Create routes
- Extend routes
- Retire routes
- Realign routes (multiple scenarios)
- Reassign routes (multiple scenarios)
- Reverse routes
- Cartographic realignment

#### Calibration point editing

- Add calibration points
- Edit calibration points
- Delete calibration points

## LRS Geoprocessing tools

- Apply Event Behavior
- Derived Event Measures
- Generate routes

## LRS Bulk Loading

- Append Routes
- Generate Calibration Points
- Append Events

## Editing events in ArcGIS Pro

- Add point events
- Add line events
- Edit events
- Event Replacement

## Editing events in Event Editor Web App

- Edit event attribute tables
- Split events
- Merge events
- QC events

## Optional exercises for additional practice