

# GIS Session Preview (New Features) 2019 and 2019r2

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In this session, we'll provide an overview of GIS changes since ACT 2018 and a sneak peek at what will be covered in each of the ACT 2019 GIS sessions.

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# General Changes

## 2019

- Added support for ArcGIS 10.7
- New GIS permissions in security:
  - Device Location Setup- Add, Edit/Delete, Edit/Delete My Own
  - Module Spatial Setup- Add, Edit/Delete, Edit/Delete My Own
  - View Tablet Locations
- Ability to integrate the following module to GIS:
  - Water Quality Site
  - Facility Parking Lot

## 2019r2

- Added support for ArcGIS 10.7.1
- Usage of the Esri World Geocoding Service will require utilization of service credits in the following situations:
  - Geocoded addresses processed by Lucity Spatial
  - Reverse geocoded spatial relates processed by Lucity GIS Scheduled Tasks

# Lucity Web Changes

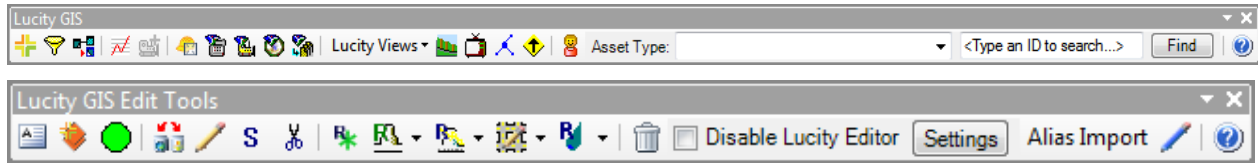
## 2019

- None

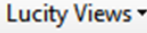


## 2019r2

- Admin Portal
  - The GIS Scheduled Tasks log will now only load up the amount of records specified with the MaxTasksToLoad system setting
  - The GIS Scheduled Tasks log now has a new option to purge all log entries
- GIS Split View
  - New functionality in the dashboard that will display a split view pane allowing users to see and interact with both their dashboard frames and their default GIS View side by side.

## ArcMap Changes



### *Tools added or modified for 2019*

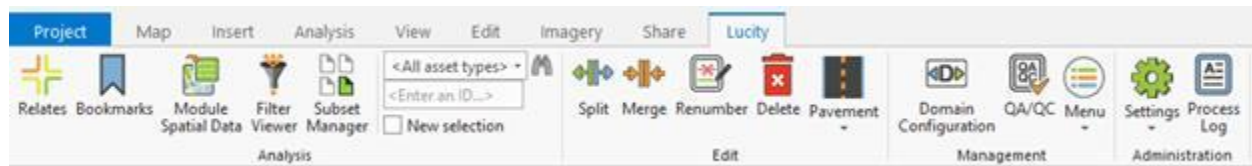
Button	Name	Description
	<b>View Street Modeling Results</b>	<ul style="list-style-type: none"> <li>New option to set the “No Work Before” field when writing the results of a supersegment street model run into the supersegment planning table.</li> </ul>
	<b>Fiber Optic Split</b>	<ul style="list-style-type: none"> <li>New tool to perform a split on a fiber optic asset</li> </ul>
	<b>Fiber Optic Merge</b>	<ul style="list-style-type: none"> <li>New tool to perform a merge on a fiber optic asset</li> </ul>

## ArcCatalog Changes


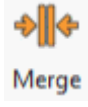
### *Tools added or modified for 2019*

Name	Description
Geodatabase Configuration Tool	New sync attachment options for GIS Scheduled Tasks

## ArcGIS Pro Changes




### Tools added or modified for 2019

Button	Name	Description
	Renumber Tool	Ability to paste in a range of new Common IDs
	Relates Tool	<ul style="list-style-type: none"> <li>• Supports creating Work Orders/Requests/PMs at addresses and XY locations.</li> <li>• Supports attaching multiple assets, addresses, and XY locations to Work Orders and PMs.</li> <li>• New XY tool to create XY/address points</li> <li>• Ability to delete multiple documents at once</li> </ul>
	Split Tool	<ul style="list-style-type: none"> <li>• Added support for Fiber Optic Cable</li> <li>• Added support for Storm Detention Basin</li> </ul>
	Merge Tool	<ul style="list-style-type: none"> <li>• Added support for Fiber Optic Cable</li> <li>• Added support for Storm Detention Basin</li> </ul>
	Delete Tool	Added option to archive asset in Lucy
	Domain Configuration	The <i>Show current values and record counts</i> option now pulls from the GIS attributes instead of the GIS domain.

### Tools added or modified for 2019r2

Button	Name	Description
		Dark and light themes are both now fully supported
	Find Feature	A new tool to quickly find an asset in the map based on the Common ID
	Filter Viewer	A new tool to select features in the map based on a Lucy module filter

	<b>Subset Manager</b>	A new tool to load, create, and modify Lucity subsets
	<b>Relates</b>	Added option to attach all selected records in the map to a work order or pm
	<b>Process Log</b>	Most recent entries are displayed at the top and now include a timestamp

## GIS Scheduled Tasks

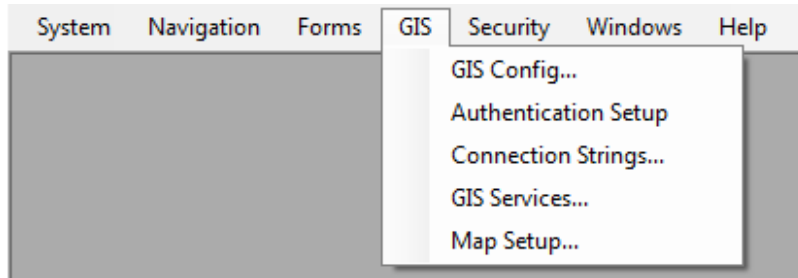
### 2019

- Added ability to use the Reverse Geocode spatial relate for layers mapped to work requests.
- Added ability to import feature attachments and Lucity documents.

### 2019r2

- Now supports importing comments for work requests
- Reverse Geocode spatial relates using the Esri World Geocoding Service will start utilizing service credits.

## Lucy Administration Tool Changes



### *Tools added or modified for 2019*

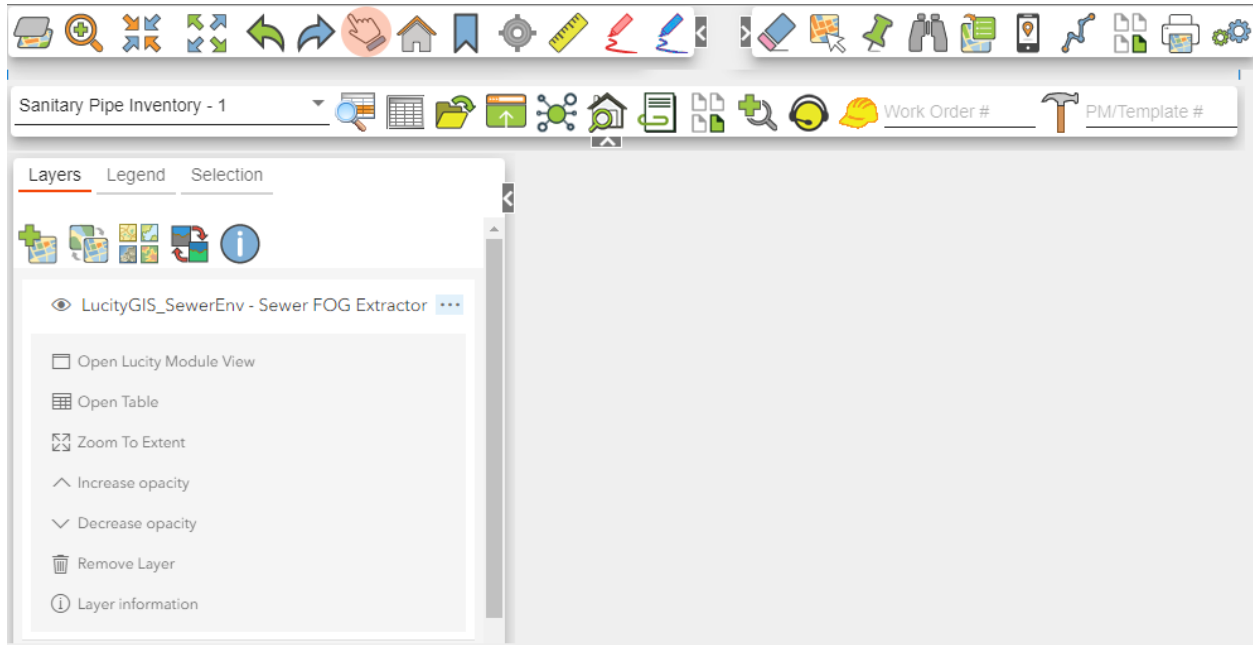
Name	Description
GIS Config	<ul style="list-style-type: none"><li>• Added options for importing attachments for GIS Scheduled Tasks</li></ul>

### *Tools added or modified for 2019r2*

Name	Description
GIS Services	<ul style="list-style-type: none"><li>• Added ability to specify credentials to geocoding services</li></ul>



## Lucidity Web Map Changes



## Tools added or modified for 2019

Button	Name	Description
	<b>Redlining Tool</b>	Attribute editor now provides dropdowns for domain values
	<b>Module Spatial Data</b>	<ul style="list-style-type: none"> <li>• New option to save setup and auto-load with GIS View</li> <li>• Added ability to set value based colors</li> <li>• Added option to auto-refresh results</li> </ul>
	<b>Device Location Tool</b>	<ul style="list-style-type: none"> <li>• New option to save setup and auto-load with GIS View</li> <li>• Added ability to set value based colors</li> <li>• Added option to automatically include new devices in results</li> </ul>
	<b>Add Content tool</b>	A new tool to add web layers (feature, tile, map image, and imagery layers) to the map on-the-fly
	<b>Portal Item Gallery</b>	Added option to filter by text
	<b>Map Display Options</b>	<ul style="list-style-type: none"> <li>• New Alternative layout option</li> <li>• Collapsible toolbars</li> <li>• Scale bar uses system setting for display units</li> </ul>

## *Tools added or modified for 2019r2*

<b>Button</b>	<b>Name</b>	<b>Description</b>
	<b>Editing Tool</b>	New editor widget added with ability to create, edit, and delete features including both geometry and attributes in the map
	<b>Find Address</b>	The Esri World Geocoding Service is no longer included by default. Only geocoders configured in Lucity Admin will be listed.