

# IRIS Updates

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# Overview

- What is IRIS?
- Why are we developing a new version?
- New User Interface
- Web Application Programming Interface (API)
- GIS Integration
- Next Steps





# What is IRIS?

## Integrated Road Information System

### Asset Management

- Road features
- Equipment
- Vegetation
- Inventory

### ● Permits

- Multiple permit types
- ODOT permits

### ● Service Requests

### ● Reports

- Pre-existing reports
- Custom report wizard

### Accounting Tools

- Cost accounting
- Accounts payable
- Accounts receivable



<https://www.aociris.org/>



# Why the New Version?

## Current Version - IRIS 9

- Uses technology that is no longer supported
- We can no longer make fixes or modifications to the application
- Desktop client is old and cumbersome



## New Version - IRIS 10 beta

- Current technology allows for better development support and access to trained developers
- Web based application make it more responsive and accessible
- Direct access to data via Web API (Application Programming Interface)
- Better GIS Integration



# New User Interface

## Dashboards



### Portal Dashboard Widgets

- GIS Overview
- Favorite Modules
- More widgets coming soon...

Road Information System Map

Select map layer: Signs

Active Signs: 12975 Mapped Active Signs: 12919

Staircase Wilderness

Accidents  
Approaches  
Bridges  
Catch Basins  
Cul-de-sacs

Your RIS Favorite Modules

Signs Boundaries Culverts

Signs  
Signals  
Utilities  
Wheelchairs

Elliot Fo

Umi Nati Fo

Map contributors.

Signals



# New User Interface

## Data Grid Views



### Data Grid Features

- Master / Detail
- Configurable
- Searchable
- Editor Controls

The screenshot displays the IRIS (Integrated Road Information System) user interface. The top navigation bar includes the IRIS logo, a home icon, and a 'SIGNS' tab. A search bar is present with the text 'Search the grid' and a dropdown menu set to 'default'. Below the search bar is a '+ Add new record' button.

The main content area features a data grid with the following columns: Road, County Sign, Legend, Date, Time, Cause, Action, Condition, Reflectivity Condi..., and Asset Number. The grid contains several rows of data, including road names like '017 - BUCKHORN/LITTLE RIVER RD', '049 - FIVEMILE RD', '055 - SCHOLFIELD RD', and '058A - STILLWATER RD'. The 'County Sign' column shows values like '24 - High Water' and '24 - High Water'. The 'Legend' column shows values like 'Watch For High Water' and 'Watch For High Water'. The 'Date' column shows '09/27/2012' and '09/27/2012'. The 'Time' column shows '8:39 AM' and '8:39 AM'. The 'Cause' column shows 'S - Inspected' and 'S - Inspected'. The 'Action' column shows '2 - Good' and '2 - Good'. The 'Condition' column shows 'true' and 'true'. The 'Reflectivity Condi...' column shows 'true' and 'true'. The 'Asset Number' column shows '12866', '12868', '4871654.385', '4871215.989', '375N - OTHELLO AVE', and '375N - OTHELLO AVE'.

On the left side, there is a 'Grid Configuration Settings' panel. It includes a search bar with the text 'water' and a dropdown menu set to 'default'. Below the search bar is a '+ Add new record' button. The panel also shows a list of road names with checkboxes and icons for editing and deleting records.

At the bottom of the screen, there is a pagination bar showing '1 - 50 of 13218 items' and a '50 items per page' dropdown menu.



- Configurable
- Fields grouped by topic
- Table of contents

The screenshot displays the 'Edit Sign' interface of the IRIS system. The interface is divided into several sections for data entry:

- Navigation:** Contains a back arrow and the title 'Navigation'.
- GIS Info:** The active section, containing:
  - X Coordinate:** 4,285.738
  - Z Coordinate:** Enter Z Coordinate
  - Longitude:** -122.86777383
  - Misc:** Enter Comments
- Dimensions:** X Coordinate (4,285.738), Z Coordinate (Enter Z Coordinate), Longitude (-122.86777383).
- Misc:** Enter Comments
- Post:** Post Length (Enter Post Length), Height On Post (Enter Height On Post).
- User Defined Fields:** (Empty section)

A map is visible in the background, showing a road and a sign location. The map includes a compass, zoom controls, and a location pin. The text 'OpenStreetMap contributors' is visible on the map.

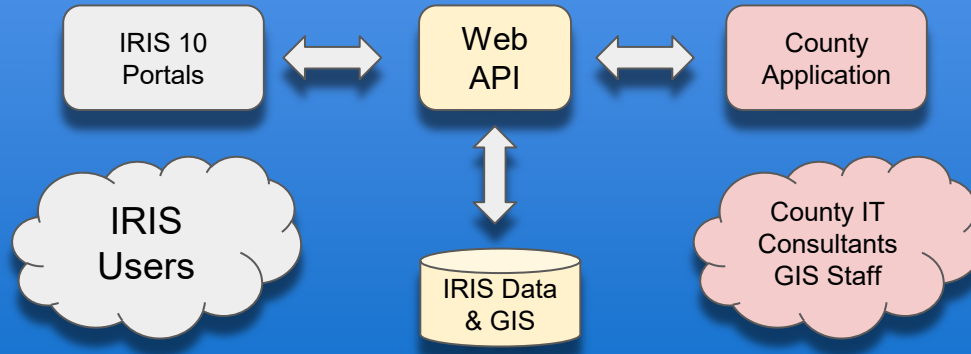




# Web API

Web Application Programming Interface (API) provides a protocol for accessing IRIS Data for developers, contractors, and GIS staff

Example applications utilizing the IRIS API:



## Current

- All of IRIS 10 portals
- ODOT Certified Public Road Mileage Report
- IRIS 10 Remote Inspection

## Future

- Fiscal and Payroll integration
- Fuel Import
- GIS Integration
- And more....





# Geographic Information

## Location Enabled Features



### Location Enabled Features

Accident

Approach

Bridge

Catch Basin

Cul-de-sac

Culvert

Gate

Intersection

#### GIS Info

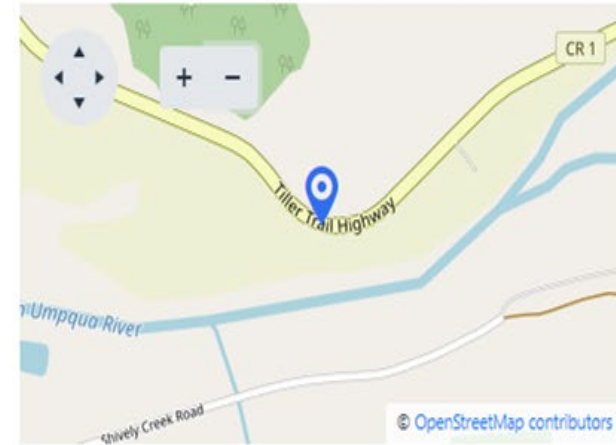
X Coordinate

Y Coordinate

Z Coordinate

Latitude

Longitude



WheelChair

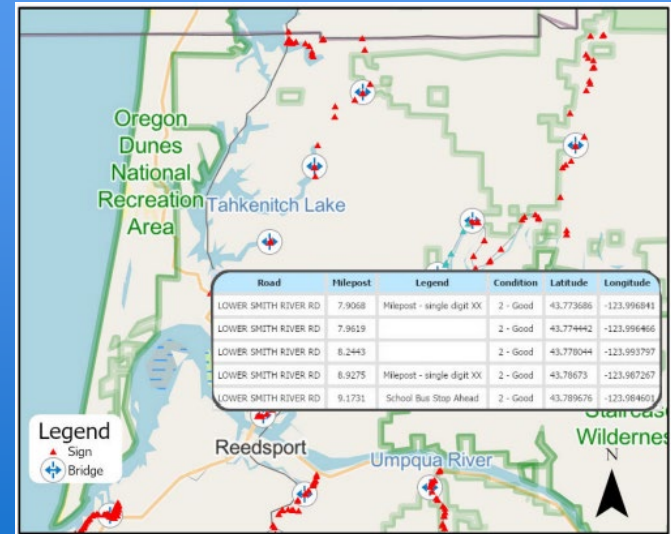


# Geographic Information Compatibility



- Compatible with ESRI Products
  - ArcGIS
  - ArcOnline
- IRIS Enabled File Geodatabase Exchange Format
- Asset Inventory Collection Technical Support
  - Example: Jefferson County Project

*Contact us before you start your GIS Road/Asset inventory collection projects and we can help get you started*

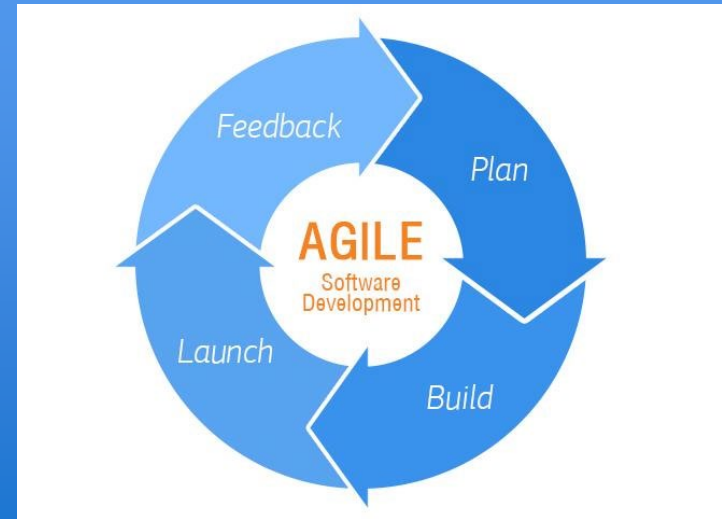




# Next Steps



- **Planned Release**
  - Rolling release date based upon County's needs starting Fourth Quarter 2022
- **Beta Users**
  - Be a part of shaping the development of the final product by reviewing it early, testing, and providing feedback.
- **Early Adopters**
  - There may be options to be an early adopter of specific IRIS workflows - contact us to discuss the feasibility and options for your use case



# Questions



## Contacts

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***Come see us at the booth!***