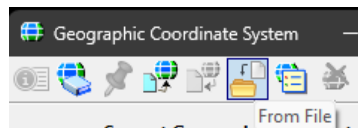


# Attaching Streaming Imagery from Oregon Statewide Imagery Program (OSIP)

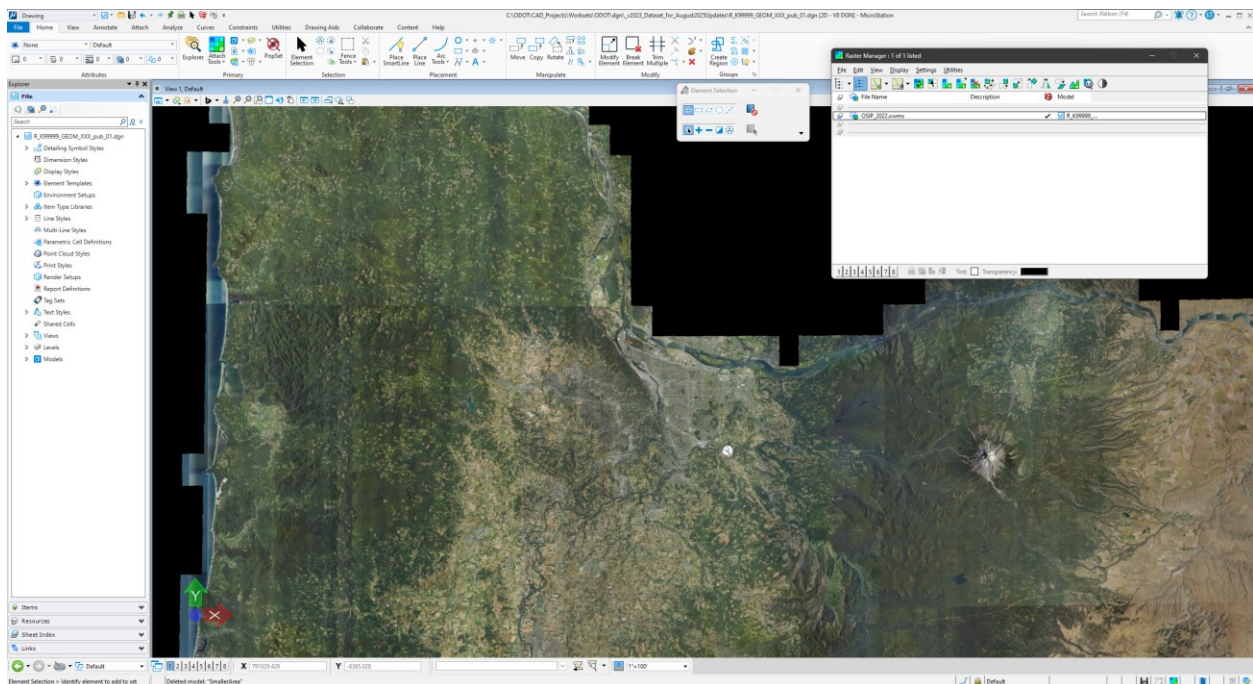
OSIP provides high resolution (1-Ft) aerial imagery of the entire state via web mapping services (WMS). The OSIP imagery can be attached as a raster background to any DGN with an attached geographic coordinate system. The OSIP imagery aligns very well with Oregon's OCRS- geographic coordinate systems. The uses for the OSIP imagery include project planning, RW exhibits, demonstrations, and as a background for project delivery work.

## Attaching and Viewing OSIP WMS Imagery

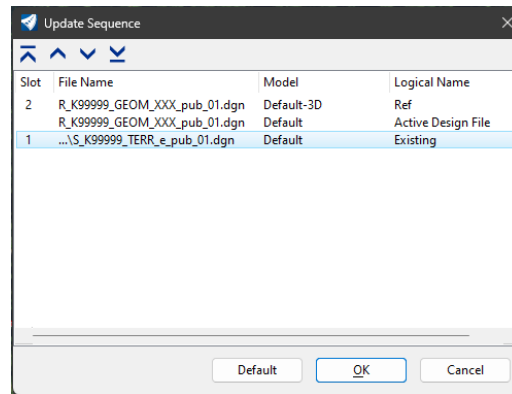
1. Assign a Geographic Coordinate System to the design-type model in your DGN. If you have project survey data – use the same Geographic Coordinate System (From File).



2. Open the Raster Manager.
3. In the Raster Manager, select **File>Attach>WMS...**
4. Choose OSIP\_2024.xwms from the Attach Raster Reference window; click **[Attach]**.



The raster is streamed into the Active Design File and will be a background to any vector graphics in the active DGN. You may need to adjust the reference Properties>Update Sequence... to see project survey data that is attached as a reference. In the image below, the survey terrain DGN (Existing) has been moved to display last, or after the Active Design File.



## Using OSIP WMS Imagery

The OSIP streaming imagery is a dynamic reference to a State Lambert mosaic via a web hosted service. You will be viewing the entire state and zooming in and out may take a couple of seconds for the imagery to stream and resolve the tiles to your zoom level. The OSIP imagery is available without copying or creating JPEGs or GeoTIFFs, from a reference to a DGN in ProjectWise or a DGN stored locally, via your connection to the internet.

Multiple .xwms files are provided in the OregonDOT WorkSpace. The year that the imagery was acquired is part of the filename, e.g. OSIP\_2022.xwms was flown in 2022, and OSIP\_2024.xwms was acquired in 2024.

## Displaying a Project Background

Because the imagery is reprojected in the design model that is streamed into, the raster attachment cannot be clipped there. You see the whole state. You cannot move, rotate, or scale the imagery to better fit your project survey graphics. A reference, however, into another model or DGN will allow you to apply a clip boundary. For example, the Create Drawing process using named boundaries will clip the imagery at the named boundary when it is referenced into a sheet.

## Using a Photo Base as a Reference

A DGN photo base can be used as a reference which will allow you to adjust the fit of the imagery to surveyed data. A DGN photo base uses the same geographic coordinate system as the project data and has the imagery attached to the Default model as a raster (WMS). The DGN photo base is then attached as a reference to the project data DGN (Coincident World, Display Raster References) which allows you to use the reference clip, move, rotate, or scale commands to better align the imagery to the vector graphics. The reference attachment to the imagery allows you to perform all those actions because the reference to the DGN photo base is not geographically reprojected.

