Vicinity Maps for Title Sheets

Title sheets require a vicinity map to appear on the sheet. Federal requirements for the vicinity map are to provide a location sketch on the title sheet "with sufficient identifying information so that the project may be easily located on a county or State map". That leaves a lot of room for customization. There are several sources of data to use in the creation of vicinity maps from Oregon DOT GIS and Mapping Unit, each with pros and cons.

Once the location sketch is displayed on the title sheet, tools from the ODOT Title Sheets>Vicinity Maps ribbon workflow will likely be needed to place Name Text and Shields so that the project may be located on a county or state map. If a PDF map is used and includes legible text, that sketch may be sufficient.

Location Sketch Data Source	Pros	Cons
GIS Unit DGN Comap reference attachment \\gis_resources\gis\data\dgn\V_8\CoMap	Link provided in MicroStation Directory History for quick reference attachment. Quick display response in MicroStation.	Most recent data is 11 years old. Not accessible to external partners. >100 levels used; non-annotation text; many line segments. Requires placing route shields and name text.
GIS Unit County/City PDFs – download from web https://www.oregon.gov/odot/Data/Pages/Maps.aspx - **County Maps**	Updated annually. Accessible to ODOT and external partners. Smallest file size PDFs available. PDF layer display can be adjusted in Adobe or MicroStation raster attachment. PDF is a map. Area fills can be toggled off for white background.	Slow display response in MicroStation. Adjusting PDF Layers in MicroStation is very slow. Secondary process to create snapshot of adjusted layers for attaching. There are hundreds of layers. Requires placing route shields and name text.
Project Vicinity Mapping Application (PDF or DGN) https://geo.maps.arcgis.com/apps/webappviewer/index.html?id=5885d24feeee417d9b11a08f1f59fad9	GIS data is always up to date. Accessible to ODOT and external partners. PDF created is a map. "ODOT Streets" Basemaps are seen in PDF. Data may be extracted to DGN file for reference attachment.	Little control over size of text and shields in resulting PDF. Two layers – cannot toggle off annotations. DGN data is line segments only; Requires placing route shields and name text; must modify levels to Plot. Requires placing route shields and name text.
ArcGIS Online Map Applications https://gis.odot.state.or.us/transgis/ - **ODOT TransGIS** https://geo.maps.arcgis.com/apps/mapviewer/index.html	GIS data is always up to date. Accessible to ODOT and external partners. PDF created is a map. "ODOT Streets" Basemaps are seen in PDF. Few layers – annotations can be toggled off. Scale can be set when printing to control level of detail. Scale of 50,000 provides a PDF showing about 4 miles across.	Requires placing route shields and name text.