

MaineDOT Specialized CADD User Group Requirements

Survey User Group

- MaineDOT survey feature codes (to be provided by MaineDOT) need to display the proper linestyles and cells in ORD
- Feature definitions defined as point and line for certain feature codes
- A separate field book shall be created for traverse adjustment
- A workflow will be needed for survey editing for non-LiDAR projects to import raw data from Trimble data collectors into a field book and then into a terrain model in ORD.
- A workflow is also needed to import 3D data from LiDAR into ORD
- Fugro ARAN pavement scanning system integration with ORD is required
- Confirmation that “join nearest” codes and controlling code utilization will remain in ORD

Drainage and Utility User Group

- Development of catalog(s) for all closed system and open channel flow items. See [MaineDOT Standard Details](#) for items and dimensions.
- A workflow shall be developed to add LiDAR data from USGS to the limits of survey data to be able to delineate large watershed areas
- Precipitation values from NOAA Atlas 14 shall be used to populate ORD precipitation tables
- Runoff coefficients from MaineDOT shall be used (to be provided by MaineDOT)

Highway Overlay Design User Group:

- See the [Highway Overlay Design Procedure for InRoads](#) for the workflow instructions to be replicated in ORD and download the .zip file at the link below for the associated InRoads files:

[Highway Overlay Design InRoads Files](#)

Bridge Abutment Grading Design User Group

- A workflow for grading design around bridge abutments using ORD shall be developed.

Environmental Office Biologist User Group

- A workflow shall be developed to import data from ArcGIS shape files into ORD to create wetland delineation lines

Crash Records Section User Group

- A configuration should be developed that allows the Crash Records Section to access .DGN files by County code as the Workset, and then by nodes. Only a network Workspace is necessary.