

OpenRoads Designer CONNECT Edition (ORD) Implementation at MaineDOT

Background

MaineDOT is migrating CADD software from Bentley Systems' MicroStation and InRoads V8i series to the OpenRoads Designer CONNECT Edition (ORD) series to prepare for digital delivery. The migration is the first initiative of a Digital Development and Management Roadmap for the Department that will be developed and released in the future. A meeting was held on July 13, 2022 with Bureau of Project Development management along with affected coordinating Programs and Offices to discuss ORD implementation and the attendees agreed on the following direction:

New Work Plan Projects

Any project that is to be kicked off after **January 1, 2023** will be surveyed and designed using ORD except for preservation (ODG) projects. ODG projects for 2024 construction will be surveyed and designed using ORD at the applicable Program's discretion.

Work Plan Projects in Development

All non-ODG projects currently in development that have not been significantly designed or detailed, shall be converted to use ORD by **July 1, 2023**. This will be up to the individual Program's discretion for the exact timing of the conversion to ORD, but usually would be before the Plan Impacts Complete milestone. The designer(s) for the project should have also had both "out-of-the-box" and MaineDOT-specialized training for ORD prior to the project's conversion.

All projects that have been "shelved" should be converted to use ORD when re-activated after **July 1, 2023** regardless of milestone, though the individual Program will have discretion based on legacy software license availability.

Workspace Rollout

ORD shall be installed with the MaineDOT-customized workspace on computers for all CADD users at MaineDOT in January 2023. The MaineDOT-customized workspace will also be released for consultant use at the same time.

New locations for ORD projects will be created on the Y: Drive for Project Development, Bridge Maintenance and Crash Records and will be as follows:

Y:\WIN for Project Development ORD projects

Y:\BRMAINT for Bridge Maintenance ORD projects

Y:\CRASH for Crash Records crash diagrams

In addition, there will be a new folder structure utilized for all ORD projects.

Training and Documentation

Training will consist of two phases: the first phase is an “out-of-the-box” training with no MaineDOT customization to get users used to basic functionality of ORD. This phase will occur from October to December 2022. The second phase will consist of specialized user group training using the MaineDOT-customized workspace to provide the configuration that the user will have for their discipline. This phase will begin in February 2023 and last through June 2023 for non-ODG users. ODG users will be trained with the MaineDOT-customized workspace in Fall 2023 to be able to work on projects to be advertised for 2024 construction.

Documentation for “out-of-the-box” functionality will be provided in the training manuals for those courses. Documentation for MaineDOT-specialized user group workflows will be available electronically in PDF and video format.