# Ohio Department of Transportation

# OpenRoads Designer Implementation Plan
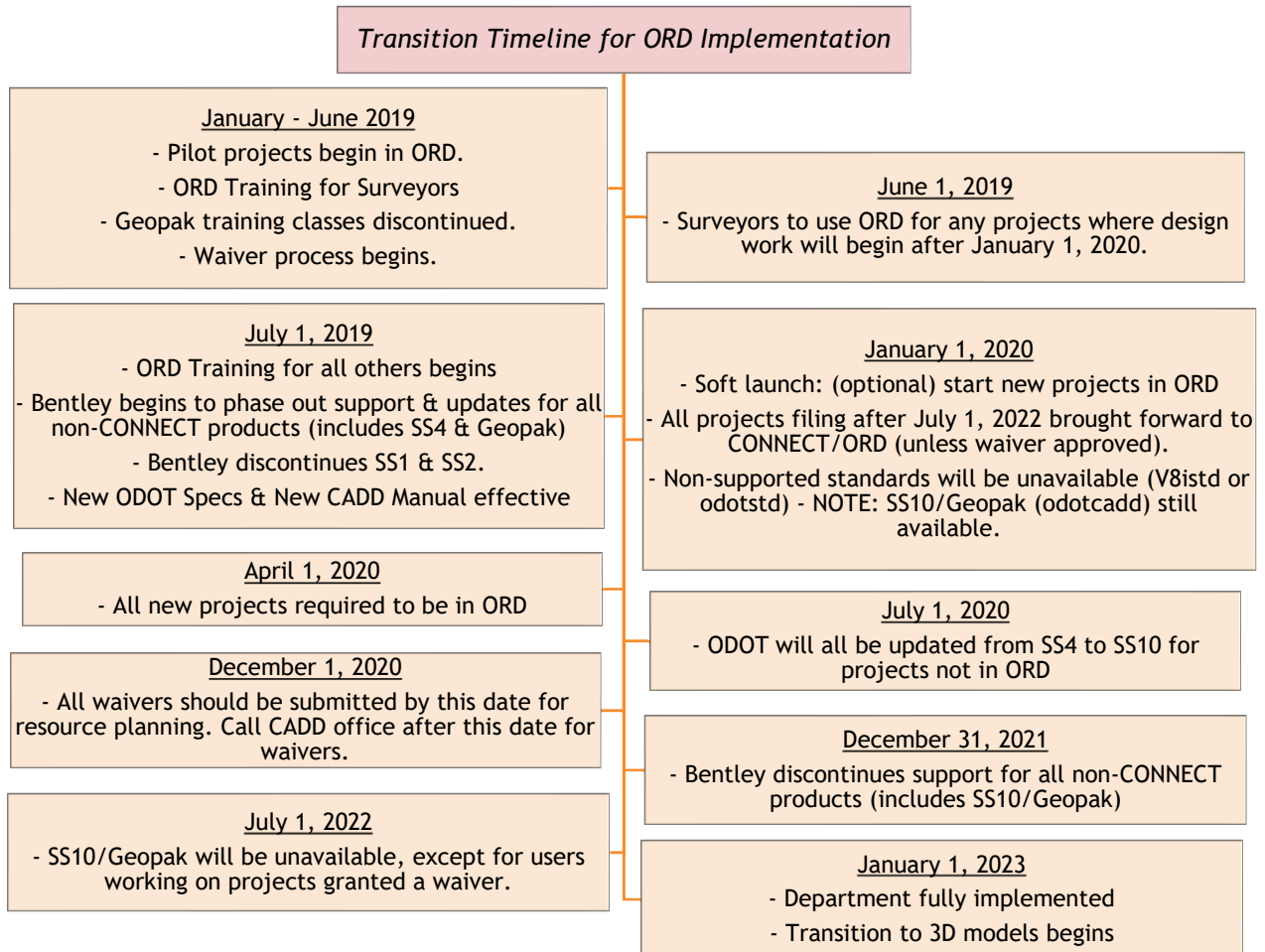
# Table of Contents

## Transition Plan Summary

The Office of CADD & Mapping Services has been working since 2014 to transition the Department to updated CADD software that will provide us with the ability to deliver models. Bentley recently released its support policy, outlining its expiring support timeline. This has required us to compress the timeline for OpenRoads Designer implementation. The implementation includes moving all Bentley's software to Bentley's CONNECT generation of products (this includes MicroStation). The following outlines the plan and expectations for the transition.

### Transition Timeline for ORD Implementation

**January - June 2019**
- Pilot projects begin in ORD.
- ORD Training for Surveyors
- Geopak training classes discontinued.
- Waiver process begins.

**June 1, 2019**
- Surveyors to use ORD for any projects where design work will begin after January 1, 2020.

**July 1, 2019**
- ORD Training for all others begins
- Bentley begins to phase out support & updates for all non-CONNECT products (includes SS4 & Geopak)
- Bentley discontinues SS1 & SS2.
- New ODOT Specs & New CADD Manual effective

**January 1, 2020**
- Soft launch: (optional) start new projects in ORD
- All projects filing after July 1, 2022 brought forward to CONNECT/ORD (unless waiver approved).
- Non-supported standards will be unavailable (V8istd or odotstd) - NOTE: SS10/Geopak (odotcadd) still available.

**April 1, 2020**
- All new projects required to be in ORD

**July 1, 2020**
- ODOT will all be updated from SS4 to SS10 for projects not in ORD

**December 1, 2020**
- All waivers should be submitted by this date for resource planning. Call CADD office after this date for waivers.

**December 31, 2021**
- Bentley discontinues support for all non-CONNECT products (includes SS10/Geopak)

**July 1, 2022**
- SS10/Geopak will be unavailable, except for users working on projects granted a waiver.

**January 1, 2023**
- Department fully implemented
- Transition to 3D models begins

It is critical for end users to understand the Department does not have the resources available to support multiple versions of the standards and software. Nor do we have the resources to trouble shoot future issues caused by not complying with this plan. It is expected that the Agency will move through the transition together and all staff will work on the newest versions of software available to them when feasible. There is little room to deviate from this expectation. However, we do realize there may be a few cases where maintaining the old standards will be crucial to timely delivery of a project that was started before the January 1, 2020 date. These projects will be evaluated on a case by case basis through a waiver process that we will initiate when the transition begins. In addition to the waiver process, a FAQ/Guideline will be published to ease in the use of the new software platform and to try and answer questions for all in a timely manner.

OHIO DEPARTMENT OF
**TRANSPORTATION**
OFFICE OF CADD & MAPPING SERVICES

## Communication Plan

**Summary:** CADD & Mapping Services is leading the transition to new technology and updated software platforms. This Communication Plan lays out the roadmap for how we will keep involvement with the Districts and Consultants and ensure everyone affected by this upgrade has access to all information and resources needed for a successful transition. This version is a scaled back version of the plan for Consultants reference only.

**Communication Goals:**
- Keep stakeholders informed of project timeline and changes.
- Provide opportunities for structured involvement and feedback from stakeholders.
- Provide clear insight into any decisions needed or roadblocks.
- Allow path for stakeholder acceptance.

**Communication with Consultants:**
- Meetings
  - Consultant CADD Meetings
    - Frequency: every 3 months/ 4 times per year
    - Content: Updates & Roundtable discussions
    - Notifications: via email & website, and ORD application (notification pop-up)
- Emails
  - Quarterly Standards Update Emails
    - Audience: External & Internal (to subscribers & CADDmgrs)
    - Frequency: Quarterly
    - Content: DRRC/standards updates
- Website: www.dot.state.oh.us/Divisions/Engineering/CaddMapping/CADD_Services/ORD-Transition/Pages/default.aspx
    - Audience: Everyone
    - Frequency: as needed/as updates made
- Videos
  - Bentley Learn
    - We will provide links to Bentley Learn training videos we feel are of interest.
  - ODOT videos.
    - We will provide access to our internal made videos as they are available.
- Presentations
  - OTEC
- FAQ
  - Updated as questions received.
  - Will be posted on CADD Website.
- Community Boards
  - Open to ODOT & Consultants.
  - https://communities.bentley.com/communities/user_communities/ohio_dot__consultants/f/

## Waiver Process

**Summary:** The Department will require all plans started after <u>April 1, 2020</u> and any project that will file after <u>July 1, 2022</u> to be in ORD Connect. The waiver process is designed to minimize fiscal impacts on the Department during the transition from old software platforms and standards to new ones. This process will require forethought and pre-planning to allow the best utilization of resources. The goal of the waiver process is to identify projects that will require on-going, long term support of old technology.

The waiver process is based on the following deadlines:
- All projects started after April 1, 2020 are required to be developed using Bentley's ORD software unless otherwise specified in the scope of services.
- All projects filed after July 1, 2022 are required to be submitted in Bentley's ORD format unless otherwise specified in the scope of services.

Projects started prior to January 1, 2020, using old software platforms, that will be filed after December 31, 2021 may be converted to ORD format at the consultant's expense, or a waiver can be requested to allow submitting the project in the software format originally scoped. If a District wants to upgrade a project to the new technology, and it will require contract modifications, those decisions are at the discretion of the District. The Department's expectation is this transition will not incur additional costs, if a consultant feels a modification is necessary please work with the District Project Manager and CADD & Mapping Services to resolve.

**Process:** There will be a form available on the ODOT CADD Support website to request a waiver. Waivers will only be accepted by Districts, Consultants will need to work directly with the District Project Manager to determine if a waiver should be submitted. If a District wants to upgrade a project to the new technology, and it will require contract modifications, those decisions are at the discretion of the District.

**Decision Flow Chart:**

Did The Design Begin Before April 1, 2020?

YES — NO

Will Project File Before July 1, 2022?

Use ORD

YES — NO

Keep In Current Format

Submit Waiver