

LaDOTD Software and Deliverable Standards for Electronic Plans - Connect Edition
Revised March 2026

Function	LaDOTD & Consultant Software Standards	Version/Build	Deliverables	Comments
CAD Drafting	Bentley MicroStation Connect	ms10160080en_updt16	MicroStation DGN	<ul style="list-style-type: none"> At DOTD's discretion (when specified in the contract), MicroStation may be required for the entire plan production process and translations from AutoCAD format will not be allowed. Consultants must work natively within the ProjectWise DPDE environment and project folders.
CAD Standards Management	Altiva CADconform	8170	MicroStation DGN (with valid CADconform certification stamp)	<ul style="list-style-type: none"> Used to place CAD standard specific features within the desing file drawings. CADconform will certify check drawing features for CAD conformance.
CAD Standards Quality Authentication	Altiva DMSconform	3.9.1.19	Approved ControlCAD Microsoft Excel report	<ul style="list-style-type: none"> DOTD reviewers use the DMSconform "Check CAD Standards" function to check for valid CADconform certification stamps and for several other compliance factors. Status reports must reflect 100% compliance by 60% Final Plans (or sooner if specified by the Project Manager). Substandard deliverables must be approved and documented (as to reason) by the Project Manager.
CAD Attributes Quality Authentication	Altiva DMSconform "Check Attributes"	3.9.1.19	Approved ControlCAD Microsoft Excel report	<ul style="list-style-type: none"> DOTD reviewers use the DMSconform "Check Attributes" function to check for completed indexing attribute values. Status reports must reflect 100% compliance by 60% Final Plans (or sooner if specified by the Project Manager). Substandard deliverables must be approved and documented (as to reason) by the Project Manager.
CAD Plotting	Bentley ProjectWise InterPlot Organizer	pwpor10000264en	Paper format drawings (InterPlot can also be used to create PDFs)	<ul style="list-style-type: none"> Full Size Submittals: Full size submittal sheets shall have an outside edge measuring 22" X 34". Provide a 0.50" margin on the top, bottom and right hand side of the sheet and a 2" margin on the left hand side of the sheet. Half Size Submittals: Half size submittal sheets shall have an outside edge measuring 11" X 17". Drawings shall be an exact 50% reduction of the full size scale drawing. Provide a 0.25" margin on the top, bottom and right hand side of the sheet and a 1" margin on the left hand side of the sheet. Letter Size Submittals: Letter size submittal sheets shall have an outside edge measuring 8.5" X 11".
Electronic Plans Publishing	Bentley iModel Composition Service	pwclt100003453en	PDF renditioning within ProjectWise	<ul style="list-style-type: none"> PDF format drawings are the formal electronic deliverable.
Civil Design	Bentley OpenRoads Designer	23.00.01.011	Civil Design DGNs (Graphics, Alignment Info, Terrain)	<ul style="list-style-type: none"> DOTD only allows OpenRoads use for OpenRoads Connect projects.
Hydraulic Design Drafting	Bentley OpenRoads Drainage and Utilities	23.00.01.011	Hydraulics DGN Graphics	<ul style="list-style-type: none"> DOTD only allows OpenRoads Drainage use for OpenRoads Connect projects.
Electronic Survey	Bentley OpenRoads Survey	23.00.01.011	Survey DGN (Graphics, Alignment Info, Terrain), FWD, TXT	<ul style="list-style-type: none"> Any data collection tool and method that produces the required deliverable content and accuracy are acceptable. DOTD feature codes must be used during data collection to enable output of CAD survey graphics and associated Tag Data. DOTD only allows OpenRoads Survey use for OpenRoads projects.
PDF Plan Reader	Bluebeam Revu	20.2.40	PDF renditions	<ul style="list-style-type: none"> Bluebeam integration with ProjectWise CE DPDE enables cloud collaboration.
Collaboration Platform	Bentley ProjectWise Explorer	pwclt100003453en	Project plans and associated documents	<ul style="list-style-type: none"> DOTD only allows natively working within ProjectWise CE DPDE environment for Connect projects.

Software versions posted herein are the latest supported version as of this document publishing. We will seek to keep this document as up to date as possible as we move forward.

Contact Paul Mandella at paul.mandella@la.gov (225-379-1566) for general information and assistance regarding LaDOTD electronic standards, ProjectWise workflow and electronic plan delivery, authentication and publishing.
Contact David Ringuette at david.ringuette@la.gov (or call 225-379-1880) for general information and assistance regarding ProjectWise, PDF publishing setup.
Browse to <http://www.dotd.la.gov> and then select **Doing Business with LaDOTD > Electronic Standards for Plans** for links to all DOTD electronic standards and software downloads.

Browse to <http://www.altivasoft.com/downloads/CADconform> for the latest CADconform software downloads and related CAD/OS platform compatibility information.

Contact Altiva Software to purchase CADconform. **Contact Bentley Systems** to purchase MicroStation, ProjectWise InterPlot Organizer and OpenRoads products.
Contact Bluebeam to purchase Bluebeam Revu.