



Connecticut DOT

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Bureau of Engineering and Construction

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ENGINEERING & CONSTRUCTION BULLETIN

Bureau Chief

Electronic Engineering Data Delivery Extended Goal

This bulletin identifies a goal (not a requirement) of providing, when practical, a three-dimensional (3D) proposed curb-to-curb top surface within the project limits, in addition to the Phase 1 Engineering Data Delivery (EED) submission requirements outlined in [“Electronic Engineering Data Delivery, Phase 1” \(ECD-2017-4\)](#). This new goal (Phase 1A) replaces the previously-planned EED implementation Phase 2, as described in [ECD-2017-4](#). Phase 3 requirements will be issued by a future directive and are anticipated to include a full 3D slope limit-to-slope limit model, Subsurface Utility Design and Analysis (SUDA) and asset data utilizing Bentley’s OpenRoads software suite of products.

Under this goal, designers are encouraged to develop 3D surfaces for use in generating grading plans, cross sections, drainage design and other design products. Projects in preliminary design (30% or less) are the most promising candidates for attaining this goal.

During construction, 3D surfaces are useful in quantity measurement, verification, layout and machine control/guidance.

The [Digital Project Development Manual \(DPDM\)](#) provides detailed guidance on EED requirements, this Phase 1 goal, and related information.

Except as stated in the [DPDM](#), no CAD files, models and other design-generated electronic data will be provided to potential bidders or contractors. This includes, but is not limited to, plan sheets with notes, miscellaneous details, typical sections, grading plans, bridge layout plans, signing and pavement marking plans. This information is readily available in the vectorized pdf contract plan set which can be converted into CAD files by the user (see [Repurposing PDF Contract Plans](#)). Requests for such information under the Freedom of Information Act should be processed in consultation with Legal Services. Bureau units and personnel shall not facilitate requests or intervene on behalf of requesters.