



## *Florida Department of Transportation*

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### **ROADWAY DESIGN BULLETIN 14-07**

*(FHWA Approved: April 28, 2014)*

DATE: April 28, 2014

TO: District Directors of Transportation Operations, District Directors of Transportation Development, District Design Engineers, District Construction Engineers, District Program Management Administrators

FROM: Michael Shepard, P. E., State Roadway Design Engineer 

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SUBJECT: **Developmental Design Standards Process**

This Design Bulletin introduces changes to the Developmental Design Standards (DDS) process which are intended to streamline the utilization of DDSs on projects. For background and commentary on the DDS concept, see the archived [Structures Design Bulletin C10-03/Roadway Design Bulletin 10-06](#).

This new DDS process is an abbreviated version of the approval process for the Design Standards e-Book. DDSs will no longer contain project specific information in the title block and will not be signed and sealed for project-specific use by the Department.

DDSs are to be regarded as Design Standards in accordance with [Topic No. 625-010-003](#) in all respects except as noted below.

In conjunction with the Roadway Design Office, DDSs will be released by the appropriate office within the Office of Design to implement technologies in a limited fashion. As DDSs are developed, a Design Bulletin will be issued to announce their availability. A Monitor will be specified for each DDS.

PDF files of available DDSs will be posted on the DDS webpage along with the Instructions for Developmental Design Standards (IDDS) and a link to the Developmental Specifications webpage if applicable.

## **REQUIREMENTS**

1. Replace the first paragraph of *Plans Preparation Manual*, Volume 1, Section 19.2 with the following:

An Engineer of Record (EOR) is a Florida licensed professional engineer in responsible charge for the preparation of engineering documents. A Professional of Record (POR) is any Florida licensed professional in responsible charge for the preparation of design documents. An original set of the Contract Plans shall be signed and sealed by the EOR or POR. This becomes the Record Set. Every sheet of the Record Set other than Existing Bridge Plans, *Developmental Design Standards* and *Design Standards Revisions* (if present in the plan set) must be signed and sealed by an EOR (or POR) who is the Prime Professional for that component. Other individual sheets of the Record Set may be signed and sealed by a delegated engineer or professional, who in turn becomes the EOR (or POR) for that portion of the work. A plans set shall not make reference to a copy of “District Standards” that are kept on file at the District Office. Any “District Standards” intended for use on a project must be included in the plans set and signed and sealed by the EOR (or POR) for that project.

2. Replace the fifth paragraph of *Plans Preparation Manual*, Volume 2, Section 3.8 with the following:

*Developmental Design Standards (DDS)* are to be inserted at the end of each component plan set as applicable. When they are included in bridge plan sets, *DDSs* are to be inserted before existing bridge plans if they are present. *DDSs* are to be listed in the index of sheets for the plans component in which they are included. Follow the process shown in the “Developmental Design Standards Usage Process for Design-Bid-Build Projects” located in the link provided on the top of the [DDS Webpage](#) for requesting and using a *DDS*.

## **BACKGROUND**

The original DDS process as implemented by the archived Structures Design Bulletin C10-03/Roadway Design Bulletin 10-06 required the FDOT originator of the DDS to sign and seal each DDS for project specific use. This element of the original process has proven to be inefficient because it required the FDOT originator to become intimately involved in all aspects of the project affected by the use of the DDS. The new process eliminates the need for plans production coordination between the consultant/District and the DDS originator on electronic plans delivery. However, the DDS monitor must still confirm applicability of the DDS for the given project.

## **IMPLEMENTATION**

This new process is effective immediately for all design-bid-build projects in Design Phase I, II or III and future projects utilizing DDSs. Implementation of this new process is at the discretion of the Districts for all projects using a DDS which are in Phase IV.

This new process is effective immediately on all design build projects for which the final RFP has not been released. Design build projects for which the final RFP has been released are exempt from these requirements unless otherwise directed by the District.

## **CONTACT**

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