

1E-5

## Design Manual Chapter 1

Quick Tips:

Turn on level

Include interim or modified

dsnstdModifiedBlock

standards in plans as U sheets.

To create a modified standard

 Turn off levels dsnStdBlock and dsnStdBlockNotModified

**General Information** 

Originally Issued: 06-02-00 Revised: 10-31-22

# Standard Road Plans

Standard road plans are detailed drawings of standardized design features, construction methods, and approved materials. At the Iowa DOT, the Methods Section of the Office of Design oversees all Standard Road Plans. The issued standards are approved by the <a href="Methods Engineer">Methods Engineer</a> and FHWA, and are posted on the DOT's website: <a href="http://www.iowadot.gov/design/Standard-road-plans">http://www.iowadot.gov/design/Standard-road-plans</a>.

They are also available on the Electronic Reference Library (ERL).

MicroStation files for Standard Road Plans are located

- in ProjectWise at:
  pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Highway\Design\MethodsSection\ORD
  Connect\ORD-DGN\Standard Road Plans\
- or on the DOT's website: http://www.iowadot.gov/design/Standard-road-plans.

The file name represents the name of the standard.

### **Title Block**

A title block is located in the lower right hand corner of each Standard Road Plan. The title block includes the latest revision date and number and a brief description of the latest revision.

#### Standard Road Plan Revisions

Standard Road Plans are modified every six months to incorporate changes in technology, procedures, or specifications.

**Note:** Changes are to be made only by the Methods Section in the Design Bureau.

Revision letters are posted on the DOT's website: <a href="http://www.iowadot.gov/design/Standard-road-plans">http://www.iowadot.gov/design/Standard-road-plans</a>.

Newly released standards are effective with the April and October lettings.

#### Interim Standard Road Plans

Occasionally between printed updates, it is necessary to make changes to standard road plans that are not project specific. When this occurs, the Methods Section will create an interim standard with a title block as shown in Figure 1.

**Note:** Interim Standard Road Plans are to be created or modified only by the Methods Section in the Design Bureau.

Designers will receive an email notification when interim standards are created. They are available

- in ProjectWise at: pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Highway\Design\MethodsSection\ORD Connect\InterimAndModifiedStandards\
- or on the DOT's website: <a href="http://www.iowadot.gov/design/Standard-road-plans">http://www.iowadot.gov/design/Standard-road-plans</a>.



Unlike Standard Road Plans, Interim standards do not have prior FHWA approval. They must be included in the plans as detail sheets. Do not include them in Tab 105-4; instead, include them in the Index of Sheets.

Do not modify Interim Standard Road Plans without discussing the modifications with the <u>Methods Engineer</u>. If modifications are necessary, remove the word "INTERIM" from the title and replace with the word "MODIFIED", see Figure 2.

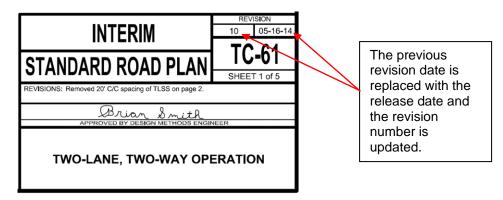


Figure 1: Interim standard road plan title block.

#### **Modifications of Standard Road Plans**

When a standard road plan needs to be modified to fit a project specific design situation, change the standard title block as shown in Figure 2.

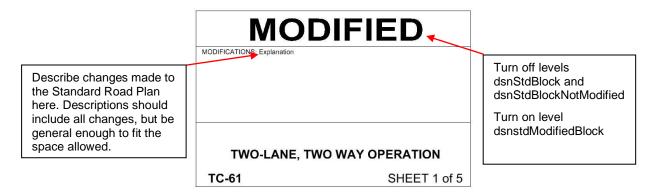


Figure 2: Modified standard road plan title block.

Modified standard road plans are generally included in the U sheets of the project plans and in the Index of Sheets. Refer to Section <u>1F-21</u> for cases where modified standard road plans are not to be included in the U sheets. They are also to be listed in the certification block that is signed by the Design Engineer in charge of the plans.

# **Chronology of Changes to Design Manual Section:**

# 001E-005 Standard Road Plans

10/31/2022 Revised

Revised CADD file location and process for creating modified standards.

6/25/2019 Revised

Updated hyperlinks.

Updated header logo and text.

8/17/2016 Revised

Clarified why Interim standards are included in the plans. Clarified Interim standards are included in the Index of

Sheets and not in Tab 105-4.

1/22/2015 Revised

Revised Figures 1 and 2 to replace renumbered standard. Deleted language stating revision packets will be printed

and mailed.

11/30/2011 Revised

Added 'Refer to Section 1F-21 for cases where modified standard road plans are not to be included in the U sheets.'.

1/29/2010

Previously Updated