

# Standard Road Plans

Design Manual

Chapter 1

General Information

Originally Issued: 06-02-00

Revised: 08-17-16

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 [Methods Engineer](#) and FHWA, and are posted on the DOT's website:

<http://www.iowadot.gov/design/Standard-road-plans>.

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

## 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. **These changes will be made only by the Methods Section.** Revision packets are posted on the DOT's website:

<http://www.iowadot.gov/design/Standard-road-plans>.

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. Designers will receive an email notification when interim standards are created. They are available at: W:\Highway\Design\StandardRoadPlans\InterimStandards.

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 [Methods Engineer](#). If modifications are necessary, remove the word "INTERIM" from the title and replace with the word "MODIFIED", see Figure 2.

### Quick Tips:

Interim Standard Road Plans are **created or modified** only by the Methods Section.

Include interim or modified standards in plans as U sheets.

Do not modify Interim Standards without removing the Interim title.

To create a modified standard

- Turn on level  
dsnStdBlockModified
- Turn off level  
dsnStdBlockNotModified
- Describe modifications



<b>INTERIM</b>	REVISION	
	10	05-16-14
<b>STANDARD ROAD PLAN</b>	<b>TC-61</b>	
	SHEET 1 of 5	
REVISIONS: Removed 20' C/C spacing of TLSS on page 2.		
<i>Brian Smith</i>		
APPROVED BY DESIGN METHODS ENGINEER		
<b>TWO-LANE, TWO-WAY OPERATION</b>		

The previous revision date is replaced with the release date and the revision number is updated.

**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.

Turn level "dsnStdBlock Modified" on and level "dsnStdBlockNotModified" off as shown here.

<b>MODIFIED</b>	REVISION	
	New	04-21-15
<b>STANDARD ROAD PLAN</b>	<b>DR-101</b>	
	SHEET 1 of 1	
MODIFICATIONS: Changed the flooded granular backfill to granular subbase.		
<b>PIPE CULVERT (BEDDING AND BACKFILL)</b>		

The issued revision date and number are not modified. Because outdated standards can be modified and included in plans, retaining the date helps contractors know which version of the standard was modified.

Describe changes made to the Standard Road Plan here. Descriptions should include all changes, but be general enough to fit the space allowed.

**Figure 2:** Modified standard road plan title block.

MicroStation files for Standard Road Plans are located in W:\Highway\Design\StandardRoadPlans or on the DOT's website:

<http://www.iowadot.gov/design/Standard-road-plans>.

The first letter in the file names indicates the file is in English units. The next series of letters represents the name of the standard.

Modified standard road plans are generally included in the U sheets of the project plans and in the Index of Sheets. Refer to Section [1F-21](#) 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

- |            |   |
|------------|---|
| 8/17/2016  | Revised<br>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<br>Revised Figures 1 and 2 to replace renumbered standard. Deleted language stating revision packets will be printed and mailed.                    |
| 11/30/2011 | Revised<br>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  |