



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
NASHVILLE, TENNESSEE 37243-0350**

**INSTRUCTIONAL BULLETIN No. 04-06**

Regarding Traffic Data for Design

Effective immediately, Section 2-120.00 on pages 2-5 and 2-6 of the English and Metric Design Guidelines shall be modified.

Attached are copies of pages 2-5 and 2-6 in both the English and Metric Design Guidelines intended to replace these pages in your guidelines.

**This bulletin voids Instructional Bulletin 04-03.**

A handwritten signature in black ink, reading "Jeff C. Jones", written over a horizontal line.

Jeff C. Jones, C. E. Director  
Design Division

JCJ:hw  
Attachments  
NOVEMBER 19, 2003

**2-120.00 TRAFFIC DATA FOR DESIGN**

In order to establish a uniform and systematic method of obtaining desired traffic data for the construction year for all future projects, use the following procedure:

1. Mark two sketches (generally a print of the title sheet) to show the limits of the project and to establish the exact information desired. If crossroad volumes and/or turning movements on certain intersecting streets or roads are needed, this fact shall be clearly indicated by a sketch on the title sheet prints.
2. Regional design engineers shall submit the two sketches along with a properly filled out copy of the form that appears on the next page to the Traffic and Safety Planning Section at the address shown on the form.
3. Headquarters design personnel shall submit two sketches with a properly filled out form to their supervisor for proper handling.
4. Consultants shall submit two sketches with a properly filled out form to the appropriate Civil Engineering Manager I or Transportation Manager 1.

Since the typical cross-section to be used is largely dependent on the anticipated traffic, it is urgent that traffic data for each newly assigned project be requested as soon as possible after beginning work on a project.

To expedite a pavement design from the Pavement Design Section, the following applicable notes shall be included under comments on the form. A copy of the completed form shall be forwarded with the pavement design request.

1. Furnish the 20xx-20xx ADL for pavement design on a four-lane roadway.
2. Furnish the 20xx-20xx ADL for pavement design on a four-lane roadway and the present ADT on all cross roads within the limits of the project.
3. Furnish the 20xx-20xx ADL for pavement design on a two-lane roadway.
4. Furnish the 20xx-20xx ADL for pavement design on a two-lane roadway and the present ADT on all cross roads within the limits of the project.

NOTE:           ADL (Average Daily Loading)  
                   ADT (Average Daily Traffic)  
                   DHV (Design Hourly Volume)  
                   D   (Directional Distribution)  
                   T   (Truck Percentage)

NOTE: For Bridge Replacement Projects, ADL are not required for ADTs of 1,000 or less and percentage trucks of 7 percent or less.

NOTE: ADTs and DHVs are not required for crossroads with ADTs of 1,000 or less.

**TDOT - ROADWAY DESIGN GUIDELINES**

**English**

**Revised: 11/19/03**

**TENNESSEE DEPARTMENT OF TRANSPORTATION (REV. 11/19/03)  
 MAPPING AND STATISTICS OFFICE  
 TRAFFIC PLANNING AND SURVEYS SECTION**

PROJECT NO.: \_\_\_\_\_ ROUTE: \_\_\_\_\_  
 COUNTY: \_\_\_\_\_ CITY: \_\_\_\_\_  
 PROJECT PIN NUMBER: \_\_\_\_\_  
 PROJECT DESCRIPTION: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**DIVISION REQUESTING:**

MAINTENANCE	<input type="checkbox"/>	PAVEMENT DESIGN	<input type="checkbox"/>
PLANNING	<input type="checkbox"/>	STRUCTURES	<input type="checkbox"/>
PROG. DEVELOPMENT & ADM.	<input type="checkbox"/>	SURVEY & DESIGN	<input type="checkbox"/>
PUBLIC TRANS. & AERO.	<input type="checkbox"/>	TRAFFIC SIGNAL DESIGN	<input type="checkbox"/>
		OTHER _____	<input type="checkbox"/>

YEAR PROJECT PROGRAMMED FOR CONSTRUCTION: \_\_\_\_\_  
 PROJECTED LETTING DATE: \_\_\_\_\_

**TRAFFIC ASSIGNMENT:**

BASE YEAR		DESIGN YEAR					DESIGN ROADWAY % TRUCKS		DESIGN AVERAGE DAILY LOADS	
ADT	YEAR	ADT	DHV	%	YEAR	DIR.DIST.	DHV	ADT	FLEX	RIGID

REQUESTED BY: NAME \_\_\_\_\_ DATE \_\_\_\_\_  
 DIVISION \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 \_\_\_\_\_

REVIEWED BY: TONY ARMSTRONG \_\_\_\_\_ DATE \_\_\_\_\_  
 TRANSPORTATION MANAGER 1  
 SUITE 1000, JAMES K. POLK BUILDING

APPROVED BY: STEVE ALLEN \_\_\_\_\_ DATE \_\_\_\_\_  
 TRANSPORTATION MANAGER 2  
 SUITE 1000, JAMES K. POLK BUILDING

**COMMENTS:**

**DHV'S ARE NOT REQUIRED FOR SIDE ROADS LESS THAN 1000 ADT.**

NOTE: FOR BRIDGE REPLACEMENT PROJECTS, ADLs ARE NOT REQUIRED FOR ADTs OF 1000 OR LESS AND PERCENTAGE OF TRUCKS OF 7% OR LESS.

SEE ATTACHMENTS FOR TURNING MOVEMENTS AND/OR OTHER DETAILS.

## TDOT - ROADWAY DESIGN GUIDELINES

Metric

Revised: 11/19/03

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**Metric**

**Revised: 11/19/03**

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PLANNING	<input type="checkbox"/>	STRUCTURES	<input type="checkbox"/>
PROG. DEVELOPMENT & ADM.	<input type="checkbox"/>	SURVEY & DESIGN	<input type="checkbox"/>
PUBLIC TRANS. & AERO.	<input type="checkbox"/>	TRAFFIC SIGNAL DESIGN	<input type="checkbox"/>
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ADT	YEAR	ADT	DHV	%	YEAR	DIR.DIST.	DHV	ADT	FLEX	RIGID

REQUESTED BY: NAME \_\_\_\_\_ DATE \_\_\_\_\_  
 DIVISION \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 \_\_\_\_\_

REVIEWED BY: TONY ARMSTRONG \_\_\_\_\_ DATE \_\_\_\_\_  
 TRANSPORTATION MANAGER 1  
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