



# INDIANA DEPARTMENT OF TRANSPORTATION

*Driving Indiana's Economic Growth*

## Design Memorandum No. 09-18 Technical Advisory

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**TO:** All Design, Operations, and District Personnel, and Consultants

**FROM:** /s/ Richard L. VanCleave  
Richard L. VanCleave  
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Production Management Division

**SUBJECT** Sidewalk-Project Plans Development

**ADDS:** *Indiana Design Manual Figure 51-1C(1)*

**EFFECTIVE:** Immediately

For a sidewalk-and curb-ramps project, only the Stage 3 plans submission should be required. In order to verify that ADA requirements are being satisfied, plans must include the following information.

### GENERAL REQUIREMENTS

See *Indiana Design Manual* Section 51-1.05 for ADA guidelines.

The placement of a sidewalk should not require an exception to other Level One design criteria, such as shoulder width or travel-lane width. Additional Information maybe required.

Replaced sections of sidewalk should be shown, with starting and ending stationing or starting stationing plus length.

The steepest allowable longitudinal grade is 8.33%. However, a longitudinal grade of 5% or steeper requires a handrail.

Where a new or replacement sidewalk begins from an existing one, the new or replacement sidewalk's profile grade should approximate that of the existing sidewalk.

Earth cross slopes on either side of a sidewalk should be flat enough so that there are no dropoffs.

Construction limits and right of way should be adequate to tie into the existing terrain.

A paper survey line is acceptable.

If a survey has not been made, the designer should determine appropriate elevations. An indication should be made that the profile grade has been checked and is flatter than 5%, to make it ADA satisfactory.

If an intersection is not being entirely reconfigured, correct access should be indicated for each quadrant.

Curb-ramp types should be shown, with their alignment with the existing or new sidewalk.

All curb ramps should be field checked. The INDOT *Standard Drawings* will not address every situation. Curb ramps should not have to be field designed.

## **PLANS DETAILS**

The following should be shown on each sheet.

### **Title Sheet**

Project type as sidewalk  
Brief project-location description  
Des number and project number  
Latitude and longitude

### **Index Sheet**

Plans-sheets index  
Utilities information  
Revision block

### **Traffic-Maintenance Details**

To be included as needed

**Typical Cross Section Sheet**

Sidewalk width and cross slope of 2%

Location of sidewalk relative to adjacent travel lane

Widths of travel lanes

**Plan and Profile Sheets**

Existing curbs and separations

Protruding objects such as fire hydrants or utility poles, with horizontal and vertical clearances

Longitudinal gradient

Profile Grade survey (PG)

Widths of all existing and proposed sidewalks

**Cross Sections**

To be included as needed

RVC:rb:alu

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