MUTCD Pedestrian Guidelines for Grade Crossings

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Why do we need guidance?

National Park Trail
Why do we need guidance?
The search is over!

Manual on Uniform Traffic Control Devices for Streets and Highways

2016 Edition
PATHWAY AND SIDEWALK GRADE CROSSINGS

- OPTIONS FOR DESIGN OF CROSSINGS
- SIGNS & MARKINGS
- DETECTABLE WARNINGS
- SWING GATES, FENCING, AND BARRIERS
- PASSIVE & ACTIVE TRAFFIC CONTROL DEVICES
Pathway & Sidewalk Placements
We can re-build it better than this!
Signs for Pathways & Sidewalks

Optional 2-inch red or white retroreflective strip on front and back (see Section 8B.04)
Detectable Warning
Detectable Warning
Sidewalk with Grade Crossing

Stop line with Detectable Warning (TYP.)
Sidewalk with Grade Crossing

Stop line with Detectable Warning (TYP.)
Signing & Markings for Pathways

stop line with detectable warning

R15-8 (optional)

R15-1

R15-2P

R1-2*

R1-1*
Exit Swing Gate at a Pathway

- Emergency exit route and optional swing gate*
- Stop line with detectable warning
- Fencing or pedestrian barrier (TYP.)
- Connect to railroad right of way fencing (if present)
Swing Gates with Fencing
Fencing & Mazes

DESIGNED TO PERMIT THE PASSAGE OF PEDESTRIAN-ONLY USERS
Barriers at Ped-only Crossing

stop line with detectable warning

pedestrian barriers or fencing with MAX. 36-inch height on each pathway approach to the crossing. Maze fencing should be designed to fit pathway users.

railroad right of way fencing,
Grade Crossing Gate Placement
Use Separate Pedestrian Gate

* For locating this reference line on an approach that does not have a curb, see Section 8C.01.

Optional gate light on sidewalks

Sidewalk or Pathway

Curb

2 ft *
Grade Crossing & Swing Gates

AUDIBLE DEVICE

DO NOT ENTER (R5-1) sign on the side of the swing gate facing away from the track.

PUSH TO EXIT (R8-11) sign on the track side of the swing gate.

CURB  SIDEWALK

Emergency Exit Route
Pedestrian Gates

AUDIBLE DEVICE

4 inches MIN diameter flashing red lights

4 inches MIN diameter flashing red lights

PATHWAY OR SIDEWALK

PATHWAY OR SIDEWALK

Horizontal Hanging Bar
Ped Gates at a Sidewalk Crossing

- Stop line with detectable warning (TYP.)
- Fence or pedestrian barriers* (TYP.)
- Pedestrian gate (TYP.)
- Edge lines may be used to designate emergency exit route (TYP.)
- Emergency exit route with emergency exit swing gate* (TYP.)

12 ft MIN.
Refuge Areas for Multiple Tracks

NEW SIDEWALK

OLD SIDEWALK
Ped Gates at a Grade Crossing

- emergency exit route with emergency exit swing gate* (TYP.)
- stop line with detectable warning (TYP.)
- pedestrian gate (TYP.)
- fence or pedestrian barriers* (TYP.)
- Connect to railroad right of way fence, if present

12 ft MIN.
It’s good enough for vehicles...

Looks good for a pedestrian???

LOOK again!
Questions?

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