

Compilation of
Pedestrian Safety Devices
In Use at Grade Crossings

Federal Railroad
Administration

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Trespasser Reduction
and Effective Practices
Workshop

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Pedestrians will seek to travel the shortest distance between any two points, almost no matter what we try to do, it seems....



Standard Ped Gates may have shortcomings



A Compilation Of Pedestrian Safety Devices In Use At Grade Crossings

In the 2004 US DOT Grade Crossing Safety Action Plan, FRA's Office of Safety was to develop an inventory of pedestrian warning devices in use at grade crossings of all types. From the Action Plan:

"...the FRA will make available a compilation of pedestrian safety devices in use at grade crossings. This will represent the current state of the practice of pedestrian accommodation at grade crossings, including pedestrian-only crossings."

The FRA has gathered information on any signs, signals, pavement markings, or other devices currently being used to enhance the safety of pedestrians at grade crossings.

These are presented here
so that the larger
grade crossing safety community
might benefit
from the work of others
in this important area.

It should be noted that several of the devices depicted in this document are not included in the Manual on Uniform Traffic Control Devices (MUTCD).

The Federal Highway Administration is the custodial agency for the MUTCD

FHWA has established a process for the incorporation of new devices into the Manual.

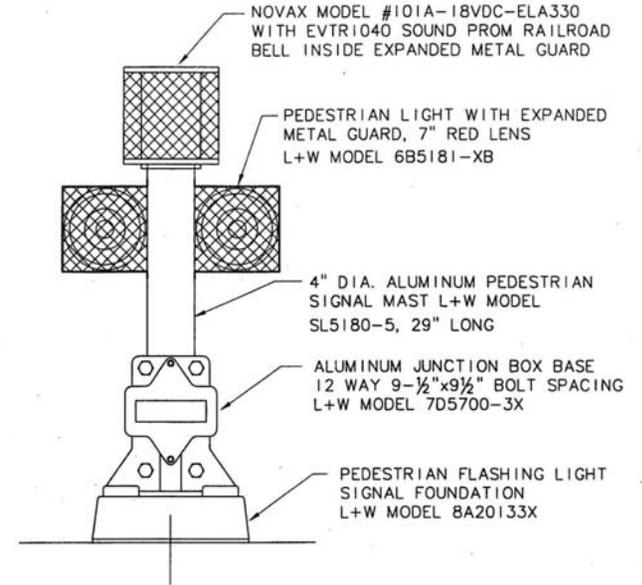
Agencies utilizing devices that are not currently included in the Manual are strongly encouraged to participate in the MUTCD incorporation process, which is described in detail in Section 1A.10 of the Manual.

In light of the above,
and considering the nature of this
document as **a basic compilation
of devices in use
by local agencies and organizations,**
inclusion of any device in this
presentation
should not be considered an
endorsement or a requirement
of its use.

Portland's MAX transit system uses this flashing light signal on station platforms



FIGURE 15.6.5L AUDIBLE/VISUAL WARNING GATED CROSSING



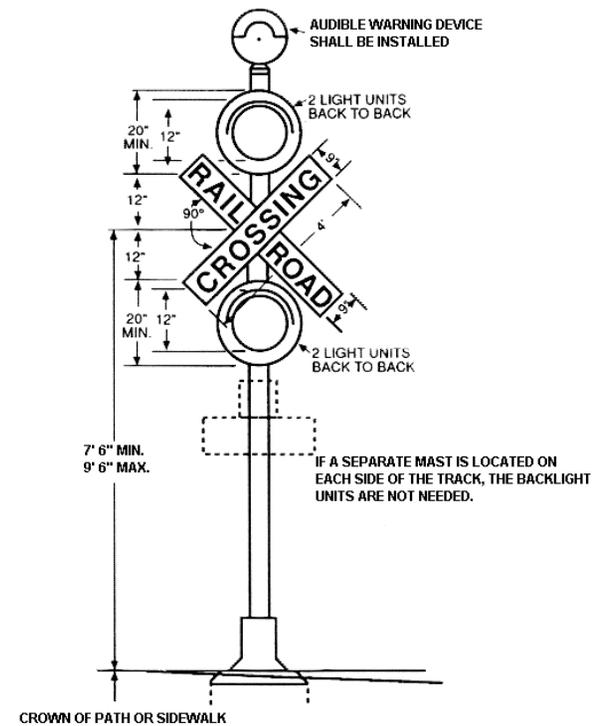
S:\Reference\Safety\STD-26.dwg, 07/23/02 07:01:35 AM, LoriB

 TRI-MET		CAPITAL PROJECTS AND FACILITIES DIVISION 710 N.E. HOLLADAY STREET PORTLAND, OREGON 97232		STANDARD DETAIL AUDIBLE/VISUAL WARNING GATED CROSSING	
		DRAWN: BAL	DESIGN: DI	CHECKED: DI	APPROVED: DI
SCALE:		FILE NAME: STD-26		CONTRACT NO:	
				SHEET NO: 15.06.5L	

Oregon's unique vertical flashers



STANDARD NO. 2P
MULTI-USE PATH FLASHING LIGHT SIGNAL



OAR 741-110-0030(3)(c)
OAR 741-110-0040(4)

FIGURE 9

Lombard, IL – on Metra commuter rail



Galewood, IL – on Metra





These signs are next to LaGrange Road Metra station. The numerous pedestrian crossings in this area make tougher sanctions necessary to prevent tragedies.

Glenview, IL on Metra, has established a \$250 fine for any pedestrian who violates railroad warning devices.



Zig-zag Gates may help pedestrians to look for trains in both directions



In rare situations, when nothing else works,
rail operations may have to
accommodate pedestrian traffic



Public agencies and rail operators should work together to identify successful devices and then agree on standards and guidance to be included in the MUTCD.

In this way, everyone can benefit from improved pedestrian safety at grade crossings by using standardized devices.