TCRP

REPORT 125

Guidebook for Mitigating Fixed-Route Bus-and-Pedestrian Collisions

TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

Table 1-5.   Strategies for mitigating collisions with pedestrians when pulling away from bus stops

Strategy	Application
Operator training	Service stop exit procedure
	No stopping after closing door
Public outreach and education	Bus safety campaign
	Pamphlets about not running after the bus
Bus mirror configuration and placement	Right convex mirror(s)
	Larger, wider mirrors mounted higher
Bus design/modification	Bus curb lights
	S1-GARD
Bus stop location planning and bus stop design	Far-side bus stops
	Bollards, barriers, and striping

1.4.2 Strategies for Mitigating Collisions with Pedestrians When Pulling Away from Bus Stops

Table 1-5 presents strategies and applications of the strategies that have been implemented by one or more transit agencies or stakeholders. These applications could help mitigate collisions with pedestrians when pulling away from bus stops. For more detail on each application, refer to the corresponding section in Part 2.

In addition to the strategies listed in Table 1-5, transit agencies and stakeholders provided suggestions that, in their opinions, might be ways to mitigate collisions with pedestrians when pulling away from bus stops. These suggestions included the following:

- Through public outreach campaigns, educate pedestrians about the specific dangers of running after buses.
- Install tactile strips on the sidewalk to keep pedestrians from running too close to the roadway.
- Maintain sidewalks and keep them free of obstructions.
- Install route number displays on the back of buses to provide information to riders that might stop them from running after a bus. An intending passenger may run after a bus thinking it is theirs, when it actually is not. Route number displays on the back of buses could help in this situation.
- Install route number displays and countdown timers on the back of buses to provide information to riders that might stop them from running after a bus. An intending passenger may run after a bus not knowing when the next bus will arrive, when in fact, the next bus may be only a few minutes away. Countdown times, displaying real-time bus arrival information could help in this situation. (It should be noted that real-time bus arrival information in some cases might also encourage pedestrians to run after the bus if they realize the next bus isn't for some time.)