

City of Cambridge
Truck Safety Ordinance Regulations

The City of Cambridge Commissioner for Public Works (the “DPW Commissioner”) and the City of Cambridge Director of Traffic, Parking and Transportation (the “TPT Director”) hereby adopt the following Truck Safety Ordinance Regulations pursuant to the Truck Safety Ordinance, Chapter 2.112, Section 2.112.080 of the Cambridge Municipal Code (“Truck Safety Ordinance” or “Ordinance”). The provisions of the Truck Safety Ordinance, including but not limited to the definitions contained in the Ordinance, shall apply to these regulations. Additionally, for purposes of these Regulations a “Side Under-Ride Guard” shall mean a piece of equipment that is installed on a Large Vehicle between the front and rear wheels to help prevent injuries to Vulnerable Road Users, and particularly to protect against the risk of falling under the side of the vehicle and being caught under the wheels of the vehicle.

1. All Large Vehicles subject to the provisions of the Truck Safety Ordinance shall be equipped with convex mirrors, cross-over mirrors, decals, and Side Under-Ride Guards affixed to the sides of Large Vehicles in a manner consistent with the specifications detailed in Section 2 below.
2. The following technical specifications shall be met in order for equipment to meet the provisions of the Truck Safety Ordinance for Side Under-Ride Guards, convex mirrors, convex cross-over mirrors, and safety decals.

2.1 Side Under-Ride Guards

(a) Equipping Large Vehicles with Side Under-Ride Guards

Large Vehicles must be constructed or equipped in such a way as to offer, throughout their length, effective protection to Vulnerable Road Users against the risk of falling under the side of the vehicle and being caught under the wheels of the vehicle. This requirement may be considered satisfied:

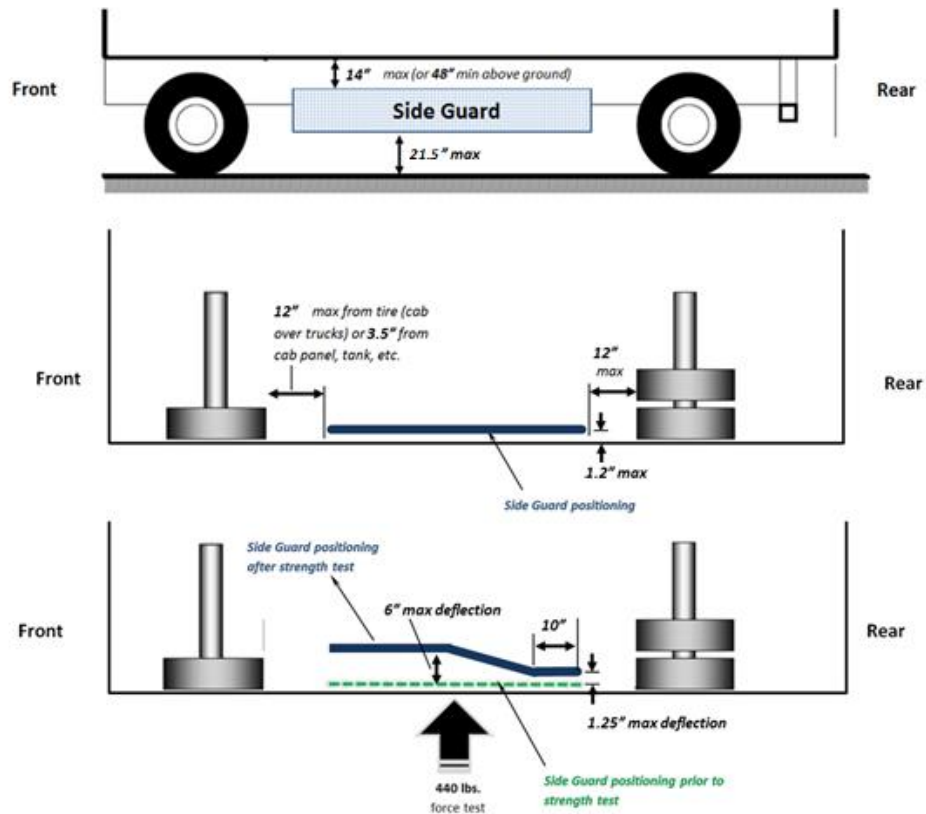
- 1) if the Large Vehicle is equipped with Side Under-Ride Guards in accordance with the requirements of Section 2.1(b) and depicted in diagram (1) below, or if
- 2) the Large Vehicle is designed and/or equipped such that by virtue of its shape and characteristics, its component parts can be incorporated and/or regarded as a replacement for the Side Under-Ride Guards, but the component parts’ combined functions must satisfy the requirements set out in Section 2.1(b) and diagram (1) below.

(b) Technical Specifications

Side Under-Ride Guards may use horizontal rails or a continuous flat surface that meets the following requirements:

- 1) The lower edge of Side Under-Ride Guards shall at no point be more than twenty-one and one-half (21.5") inches above the ground. It is preferred that the lower edge be no more than thirteen and eight tenths (13.8") inches above the ground.
- 2) The upper edge of Side Under-Ride Guards shall be no more than fourteen (14") inches below the structure of the vehicle as shown in the top schematic in diagram (1), which on a vertical plane must be tangential to the outer surface of the tires, as shown in the middle schematic in diagram (1).
- 3) The rear and forward edges of Side Under-Ride Guards shall not be more than twelve (12") inches from the tire on the wheel immediately adjacent to the Side Under-Ride Guards, as shown in the middle schematic in diagram (1).
- 4) Every Side Under-Ride Guard shall be essentially rigid and securely mounted and shall not be subject to loosening due to vibration in normal use of the vehicle. Side Under-Ride Guards shall be capable of withstanding a force of 440 pounds applied perpendicularly to any part of its surface by the center of a ram the circular face of which is not more than eight and one half (8.5") inches in diameter.
- 5) No part of a Side Under-Ride Guard shall be subject to deflection by more than six (6") inches by the ram referenced above, as shown in the bottom schematic in diagram (1), and
- 6) No part of a Side Under-Ride Guard which is less than ten (10") inches from its rear edge shall be subject to deflection by more than one and one quarter (1.25") inches from the ram referenced above, as shown in the bottom schematic in diagram (1).

DIAGRAM (1)



2.2 Convex Mirrors

Large Vehicles must be equipped with convex mirrors to enable the operator of the Large Vehicle to see all points on an imaginary horizontal line which is three (3') feet above the road, starting from five (5') feet directly behind the placement of the convex mirror, and which view extends rearward beyond the full length of such large vehicle on both the left and right sides of the Large Vehicle.

2.3 Cross-Over Mirrors

Large Vehicles must be equipped with a convex cross-over mirror on the front of the vehicle to enable the operator of the Large Vehicle to see any person or object at least three (3') feet tall passing in front of the vehicle.

2.4 Safety Decals

Large Vehicles must be equipped with a minimum of two (2) safety decals on the rear of the Large Vehicle, two (2) safety decals on the left side of the

Large Vehicle, and two (2) safety decals on the right side of the Large Vehicle, that warn Vulnerable Road Users of blind spots, with the following requirements:

- (a) Decals must be "safety yellow" in color.
- (b) Decals must include language or images warning of the blind spot locations on the vehicle.
- (c) Decals on the sides of Large Vehicle must be placed in close proximity to the Side Under-Ride Guards.

3. Compliance

3.1 All Large Vehicles subject to the Ordinance and these Regulations shall

- 3.1.1 comply with these Regulations and be inspected and approved by the City of Cambridge Department of Public Works;
- 3.1.2 or comply with the City of Boston Code of Ordinances, Chapter 4, Section 4-8, and shall have all convex mirrors, cross-over mirrors, Side Under-Ride Guards, and decals inspected and approved by the City of Boston Inspectional Services Department.

3.2 Upon successful completion of the inspection and approval by the City of Cambridge or the City of Boston, all Large Vehicles shall be affixed with the City of Cambridge or the City of Boston Inspectional Services Department's compliance certification sticker ("Sticker").

3.3 Certification and receipt of the City of Cambridge or City of Boston Sticker must occur prior to any delivery of supplies, services, design and /or construction within the City of Cambridge by any Large Vehicle subject to the requirements of the Ordinance and these Regulations.

3.4 Large Vehicles must display their Sticker, which shall denote the year of inspection. Inspections and Stickers must be updated every two years or when convex mirrors, cross-over mirrors, Side Under-Ride Guards, or decals have been damaged, worn, removed, replaced or modified in any way since the last inspection.

By: Katherine Watkins
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Date: 1-15-25

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Date: 1-16-25

Initial Regulations Issued: July 1, 2021

Regulations Updated: January 15, 2025