

Index 102-100 Temporary Barrier

Design Criteria

Standard Plans, Index 102-600; **FDOT Design Manual (FDM)**, FDM 215; **AASHTO Roadside Design Guide**, 4th Edition; **NCHRP Report 350** Test Level 3 Criteria; **AASHTO Manual for Assessing Safety Hardware**, 2016 Edition (MASH) Test Level 3 Criteria

Design Assumptions and Limitations

A. General:

For the use of Temporary Barrier, see [Specification 102](#), **Standard Plans**, [Index 102-600](#) and [FDM 215](#).

Index 102-100 provides requirements that are applicable to all types of Temporary Barrier (i.e., concrete, steel, and water-filled) except Low Profile Barrier. For Low Profile Barrier, see **Index 102-120**.

Based on project constraints, determine whether Temporary Barrier should be free-standing or anchored. This does not apply to Low Profile Barrier.

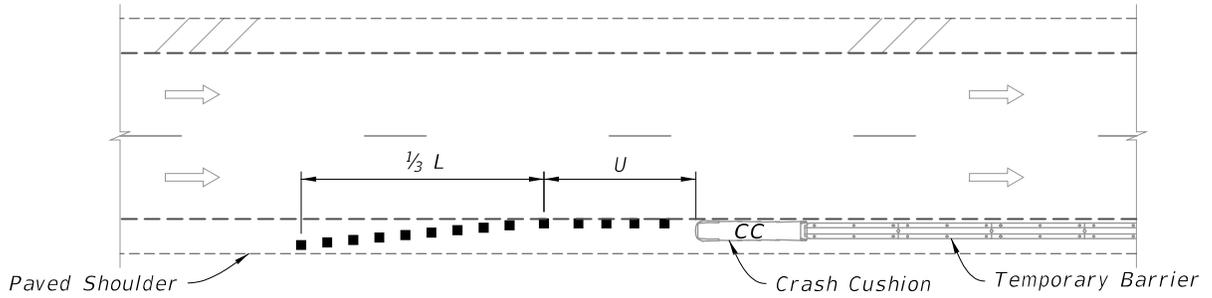
When calculating quantities for relocating Temporary Barrier, use free-standing or anchored according to the proposed condition of the Temporary Barrier. This does not apply to Low Profile Barrier.

B. Shielding Hazards - Determining Begin/End Temporary Barrier Stations:

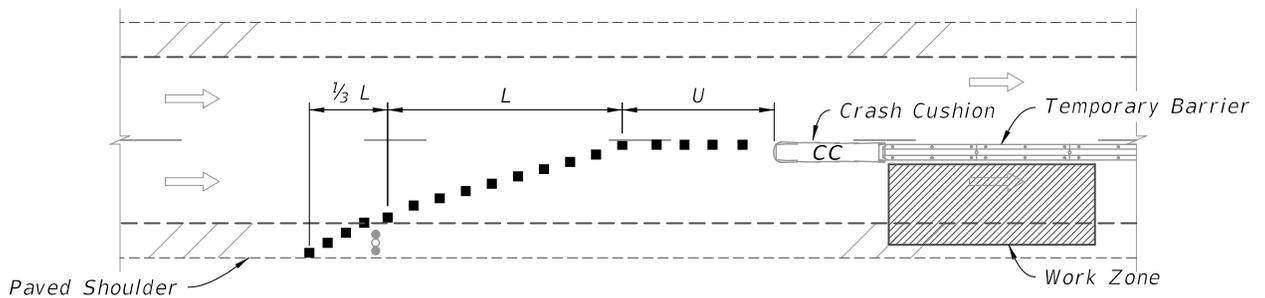
The standard method of determining Temporary Barrier placement for shielding hazards is based on the Runout Length and the Length of Need calculation in the **AASHTO Roadside Design Guide (RDG)**, 4th Edition.

See the FDOT 'Temporary Barrier Length of Need (LON)' program for additional information and assistance with determining Begin/End Temporary Barrier Stations for shielding various hazard configurations. The program is located under Design Tools on the [Standard Plans](#) website.

To ensure proper redirective capacity, include a minimum length of 200 feet of temporary barrier. Unless anchored, extend temporary barrier installations a minimum of 100 feet past the work zone or hazard. If constrained conditions are present, provide the maximum length possible, provided that any installations with a total length of barrier less than 200 feet is anchored.



Beginning Temporary Barrier for a Shoulder Closure



Beginning Temporary Barrier for Lane Closure on a Multilane Roadway

Plan Content Requirements

Designate location(s) where Temporary Barrier is to be used along with installation requirements (i.e., free-standing, anchored, or Low Profile Barrier).

Do not specify the type of Temporary Barrier (i.e., concrete, steel, or water-filled) or components thereof unless otherwise required by the [Standard Plans](#) or [FDM](#) (e.g., drop-off criteria, setback requirements, etc.).

In the Structures Plans:

Show and label Temporary Barrier on the Construction Sequence drawings and other sheets as required. Show offsets to drop-offs, above ground hazards and adjacent lanes as appropriate.

In the Roadway Plans:

Show and label Temporary Barrier on the Temporary Traffic Control Typical Plans and other sheets as required. Show offsets to drop-offs, above ground hazards and adjacent lanes as appropriate.

Payment

Item number	Item Description	Unit Measure
102- 71- 13	Temporary Barrier, F&I, Low Profile Concrete	LF
102- 71- 15	Temporary Barrier, F&I, Anchored	LF
102- 71- 16	Temporary Barrier, F&I, Free-Standing	LF
102- 71- 23	Temporary Barrier, Relocate, Low Profile Concrete	LF
102- 71- 25	Temporary Barrier, Relocate, Anchored	LF
102- 71- 26	Temporary Barrier, Relocate, Free-Standing	LF

See the **BOE** and **Specifications 102** for additional information on payment, pay item use and compensation.