

Index 102-100 Temporary Barrier

Design Criteria

Manual on Uniform Traffic Control Devices (MUTCD); Standard Plans, Index 102-600; FDOT Design Manual (FDM); AASHTO Roadside Design Guide (AASHTO RDG), 4th Edition; AASHTO Manual for Assessing Safety Hardware, 2016 Edition (MASH)

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 RDG**.

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.

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.