GENERAL NOTES

1. The Portable Temporary Low Profile Barrier For Roadside Safety is a licensed design by the University of Florida. Any infringement on the rights of the designer shall be the sole responsibility of the user.

2. This standard drawing (Index No. 412) is provided by the Florida Department of Transportation solely for use by the Department and its assigns. The purpose for this standard drawing is to indicate the approval of use of the barrier on the State Highway System to provide sufficiently pictorials for identifying the barrier unit; and, to provide general installation geometry for the barrier.

3. Only those barrier units cast by producers licensed by the University Of Florida will be allowed for installation on the State Highway System in Florida. Barrier wall units shall conform to Section 521 of the Standard Specification and shall be produced in Department approved plants with quality control plans for precasting concrete barrier walls. Each barrier wall unit shall be permanently marked with an identification that is traceable to the manufacturer, the producing precast concrete plant and the date of production. This permanent identification mark will serve as certification that the unit has been manufactured in accordance with University of Florida drawings and specifications, and the approved quality control program.

4. The low profile barrier is to be installed only with hardware and accessories furnished by the licensed barrier producer. Units shall be used for no purpose other than as interconnected segments in a run of barrier. Low profile barrier wall units shall maintain firm contact with adjoining units. Nuts on tensioning rods shall be installed snug tight.

5. The low profile barrier is applicable for work zone speeds of 45 mph or less.

6. Tubular markers shall be installed along the run of barrier at the ends and at 50’ centers on tangents and 29 centers on radii. The markers shall be fixed to the top of the barrier by an adhesive or other method approved by the Engineer. Approach end units shall be provided withmarkers and Type I objects. Tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

7. Information regarding licensing, shop drawings, specifications, quality control and certification of compliance can be obtained from the University Of Florida; Office of Technology Licensing, P.O. Box 115500, Gainesville, Florida, 32611-5500. Telephone: 352-392-8939. Fax: 352-392-6680. Reference CF 11052.

8. The Portable Temporary Low Profile Barrier for Roadside Safety shall be paid for under the contract unit price for Barrier Wall (Temporary) Low Profile Concrete, etc. and will be full compensation for furnishing, installing, maintaining and removing barrier wall.

9. Deflection space shall be kept clear of any grass, construction debris, stockpiled materials, equipment, and objects.

BACKSIDE AND END PICTORIAL VIEWS

PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY

LOW PROFILE BARRIER
Traffic Face

Beveled Washer

**CONCAVE CONNECTION**

Traffic Face

**PARALLEL CONNECTION**

Traffic Face

Beveled Washer

**CONVEX CONNECTION**

**PLAN VIEWS OF CONNECTIONS**

**END VIEWS**

**FLAT FACE FEMALE END**

**BEVELED FACE MALE END**

**WORK ZONE SPEED** | **OFFSET TO TRAFFIC FACE** | **DEFLECTION SPACE**
--- | --- | ---
45 MPH OR LESS | 2' MIN | 9''

**CLEAR ZONE (CZ)**

**FLEXIBLE OR RIGID PAVEMENT**

**PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY**

**DEFLECTION SPACE AT DROPOFFS**

**PLAN VIEW OF APPROACH END OFFSET**

**Notes:**

LIMITATION OF USE: This installation technique can only be used on flexible or rigid pavement.

ASPHALT PAD: Where existing pavement is not present, construct 2" Asphalt Pad using miscellaneous asphalt pavement in accordance with Specification Section 329 with the exception that the use of a pre-emergent herbicide is not included in the cost of the barrier.

**DEFLECTION SPACE**

Edge Of Traffic Lane

Approach Traffic

Tangent Extension

Notes:

LIMITATION OF USE: This installation technique can only be used on flexible or rigid pavement.

ASPHALT PAD: Where existing pavement is not present, construct 2" Asphalt Pad using miscellaneous asphalt pavement in accordance with Specification Section 329 with the exception that the use of a pre-emergent herbicide is not included in the cost of the barrier.

**PLAN VIEW OF APPROACH END OFFSET**

PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY
PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY

MAXIMUM CURVATURE • MINIMUM RADIUS

TRAFFIC SIDE

CONVEX CURVATURE

Inset A

CONCAVE CURVATURE

Inset B

See Inset A

See Inset B
Flare Falls Within The Clear Zone Of Opposing Traffic

Type I Object Marker To Be Installed When Trailing End Located Outside The Clear Zone Of Opposing Traffic

* Trailing End Flares Are Not Required When Barrier Located Outside The Clear Zone Of Opposing Traffic

Type I Object Marker To Be Installed When Trailing End Flare Falls Within The Clear Zone Of Opposing Traffic

LEGEND

- Type I Object Marker

BARRIER OPENINGS AT DRIVEWAYS

PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY

- FDOT 2014 DESIGN STANDARDS

- LOW PROFILE BARRIER
Flare Falls Within The Clear Zone Of Opposing Traffic

Type I Object Marker To Be Installed When Trailing End Located Outside The Clear Zone Of Opposing Traffic

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