GENERAL NOTES

1. Pursuant to 35 United States Code, Chapter 18, also known as the Bayh Dole Act of 1980, the non mountable curb was developed through federal funding. 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 legally mandated relationship is unique to federally funded university patents that Department contractors use on Contracts. Pursuant to federal law, the University may pursue royalties for a valid patent. 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 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.

3. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

4. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

5. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

6. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

7. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

8. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

9. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

10. Tubular markers shall be orange in color and installed along the run of barrier at the ends and at 30' centers on tangents and 25' 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 marked with a Type I object marker. The cost of the tubular markers and Type I object marker shall be included in the cost of the low profile barrier.

BACKSIDE AND END PICTORIAL VIEWS

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

DESCRIPTION:

LOW PROFILE BARRIER

INDEX 102-120

Sheet 2 of 5

REV 11/01/17

Last Revision 01/01/17

Work Zone Speed

<table>
<thead>
<tr>
<th>Offset to Travel Way</th>
<th>Deflection Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 MPH OR LESS</td>
<td>1' MIN.</td>
</tr>
<tr>
<td></td>
<td>2' PREFERRED</td>
</tr>
<tr>
<td></td>
<td>9'</td>
</tr>
</tbody>
</table>

Clear Zone (CZ)

Flexible or Rigid Pavement

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 339 with the exception that the use of a pre-emergent herbicide is not required. Payment for asphalt pad will be included in the cost of the barrier.

Notes:

PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY For values A, B, D and X see Index 102-600.

Deflection Space at Dropoffs

Plan View of Approach End Offset

Plan Views of Connections

Parallel Connection

Concave Connection

Flat Face Female End

Beveled Face Male End

Convex Connection

Notes:

Beveled Washer
PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY

MAXIMUM CURVATURE ● MINIMUM RADIUS

Inset A

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

** BARRIER OPENINGS AT DRIVEWAYS **

LEGEND

| Type I Object Marker |

PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY
BARRIER OPENINGS AT DRIVEWAYS

PORTABLE TEMPORARY LOW PROFILE BARRIER FOR ROADSIDE SAFETY

LEGEND

Type I Object Marker

* 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