

FDOT Required Documentation

(last updated 06/05/2018)

APL Application for Category 1 Devices Cones, Tubular Markers, Drums, STOP/SLOW Paddles

1. **APL Application**

a. Completed and signed. Request for product consideration can be found at the following:

<http://www.fdot.gov/programmanagement/ProductEvaluation/Default.shtm>

2. **Self-Certification Letter**

a. The letter should contain, at a minimum:

1. A title, e.g., "Certificate of Crashworthiness".
2. Name and address of vendor making the certification.
3. Unique identification of the certificate (such as serial number) and of each page and the total number of pages.
4. Description and unambiguous identification of the item tested;
5. Identification of the basis for the self certification process used and to what Test Level of NCHRP Report 350. This basis as listed in the July 25, 1997-memo as crash test experience with similar devices or years of demonstrably safe operational performance. (Simplified crash testing showing that a device poses no risk to vehicle occupants may be used to support the manufacturer's certification. This simplified testing must, as a minimum, be documented by a written report, observed by an independent, impartial observer, recorded on videotape, and include a means, other than the test vehicle's speedometer, for determining the vehicle speed at time of impact.).
6. A signature and title, or an equivalent identification of the person(s) accepting responsibility for the content of the certificate (however produced), and date of issue.
7. A statement that the certificate shall not be reproduced except in full.

b. Sheeting shall be on our APL and meet the requirements of Specification Sections 102 and 994.

1. Type 3 work zone (WZ) sheeting or better
2. Cone collars and drum sheeting to be reboundable

FDOT Checklist for Category 1 Devices

(last updated June 5, 2018)

Cones:

- Self-Certification Letter
 - Dimensions:
 - 36" height
 - 12 pounds
 - Reflective Collars (Sheeting on APL)
 - 6" wide white band – 3 to 4 inches from top and
 - 4" wide white band – 2 inches from the bottom of the 6" band
 - Letter stating the sheeting used is in accordance with 994 and is on our APL.
 - APL Website Common Notations:
 - 36" 12 # Reflective
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FDOT Checklist for Category 1 Devices
(last updated June 5, 2018)

Tubular Markers, Non-Fixed:

- Self-Certification Letter
 - Dimensions:
 - 36" height
 - 4" diameter
 - Orange Only for WZ applications (Other colors are 705 series)
 - Reflective Collars (Sheeting on APL)
 - 3" wide white band – 2 inches max. from top and
 - 3" wide white band – 6 inches max. from the bottom of the top band
 - Letter stating the sheeting used is in accordance with Section 994 and is on our APL.
 - APL Website Common Notations:
 - 36" height min., 4" diameter, Orange color, Weighted Base, Reflective Collars
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FDOT Checklist for Category 1 Devices
(last updated June 5, 2018)

Tubular Markers, Fixed (Surface Mount):
Typically used on Low Profile curb and Temporary Lane Separator Systems

- Self-Certification Letter
 - Dimensions:
 - 28 - 36" height
 - 2-1/4" diameter
 - Orange Only for WZ applications (Other colors are 705 series)
 - Reflective Collars (Sheeting on APL)
 - 3" wide white band – 2 inches max. from top and
 - 3" wide white band – 2" min to 6 inches max. from the bottom of the top band
 - Letter stating the sheeting used is in accordance with Section 994 and is on our APL.
 - APL Website Common Notations:
 - Used to supplement temporary separators and low profile curb only
 - Dimensions: 28 - 36" height; 2-1/4" diameter
 - Orange Only for WZ applications (Other colors are 705 series)
 - Reflective Collars (Sheeting on APL) Top Band 3" wide white band – 2 inches max. from top; Bottom Band 3" wide white band – 2" min to 6 inches max. from the bottom of the top band
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FDOT Checklist for Category 1 Devices

(last updated June 5, 2018)

Plastic Drums:

- Self-Certification Letter
 - Dimensions:
 - 36" height
 - 18" diameter at top
 - 50 pounds ballast
 - Reflective Stripes alternate orange and white (Sheeting on APL, Reboundable)
 - 4" to 6" height per band
 - Top Stripe is orange
 - Two Orange and Two White Strips minimum
 - Any non-reflectorized space between stripes shall not exceed 3" wide
 - Letter stating the sheeting used is in accordance with Section 994 and is on our APL.
 - APL Website Common Notations:
 - 36" 50# Sand Ballast
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FDOT Checklist for Category 1 Devices

(last updated June 5, 2018)

STOP/SLOW Paddles:

Letter stating the sheeting used is in accordance with Section 994 and is on our APL

Dimensions:

- 24” wide Octagon Shape
- 7’ measured from the bottom of the paddle to the end of the staff that rests on the ground
- 6” letter height
- Light semi-rigid material
- STOP – red with white letter & border
- SLOW – orange with black letters & border
- Optional MUTCD requirements. The flashing lights may be arranged in any one of the following patterns:
 - Two white or red lights, one centered vertically above and one centered vertically below the STOP legend; and/or two white or yellow lights, one centered vertically above and one centered vertically below the SLOW legend.
 - Two white or red lights, one centered horizontally on each side of the STOP legend; and/or two white or yellow lights, one centered horizontally on each side of the SLOW legend.
 - One white or red light centered below the STOP legend; and/or one white or yellow light centered below the SLOW legend.
 - A series of eight or more small white or red lights no larger than 6 mm (0.25 in) in diameter along the outer edge of the paddle, arranged in an octagonal pattern at the eight corners of the border of the STOP face; and/or a series of eight or more small white or yellow lights no larger than 6 mm (0.25 in) in diameter along the outer edge of the paddle, arranged in a diamond pattern along the border of the SLOW face.
 - A series of white lights forming the shapes of the letters in the legend.

Standard:

- **If flashing lights are used on the STOP face of the paddle, their colors shall be all white or all red.**
- **If flashing lights are used on the SLOW face of the paddle, their colors shall be all white or all yellow.**
- **If more than eight flashing lights are used, the lights shall be arranged such that they clearly convey the octagonal shape of the STOP face of the paddle and/or the diamond shape of the SLOW face of the paddle.**
- **If flashing lights are used on the STOP/SLOW paddle, the flash rate shall be at least 50, but not more than 60, flashes per minute.**

APL Website Common Notations:

- 24” Paddle with Type III or greater sheeting
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