

FDOT Required Documentation
(Last Updated 10/21/10)

**QPL Application for Category 1 Devices
Cones, Tubular Markers, Drums w/lights,
STOP/SLOW Paddles, Temporary Rumble Strips**

1) **QPL Application:**

- a. Completed, signed and notarized. Form can be found at:

<http://www.dot.state.fl.us/specificationsoffice/ProductEvaluation/QPL/ProductEvaluationApplication.doc>

2) **Self-Certification letter** shall contain at a minimum:

- a. Note: Information on the procedure for requesting FHWA's acceptance of crashworthy Category 1 work zone temporary traffic control devices can be found at:
http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/nchrp_350/catg1.cfm
- b. Sheeting shall be on our QPL and meet Specifications 102 and 994.
- i. (Type 3 Sheeting or better)
 - ii. (Reboundable for cone collars and drums)

From the FHWA Website 2.12 QUESTION What should be in the letter of self-certification?

ANSWER - 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.

FDOT Checklist for Category 1 Devices

(Last Updated 10/21/10)

Cones:

- Self-Certification Letter
 - FHWA min self-certification letter, plus
 - Statement that the sheeting used is in accordance with 994 and is on our QPL.
 - Dimensions:
 - 36" height
 - 12 pounds
 - Reflective Collars (Sheeting on QPL)
 - 6" wide white band – 3 to 4 inches from top and
 - 4" wide white band – 2 inches from the bottom of the 6" band
 - QPL Website Common Notations:
 - 36" 12 # Reflective
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Tubular Markers; Non-Fixed:

- Self-Certification Letter
 - FHWA min self-certification letter, plus
 - Statement that the sheeting used is in accordance with 994 and is on our QPL.
 - Dimensions:
 - 36" height
 - 4" diameter
 - Orange Only for WZ applications (Other colors are 705 series)
 - Reflective Collars (Sheeting on QPL)
 - 3" wide white band – 2 inches max. from top and
 - 3" wide white band – 6 inches max. from the bottom of the top band
 - QPL Website Common Comments:
 - 36" height min., 4" diameter, Orange color, Weighted Base, Reflective Collars
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FDOT Checklist for Category 1 Devices

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

- Self-Certification Letter
 - FHWA min self-certification letter, plus
 - Statement that the sheeting used is in accordance with 994 and is on our QPL.
 - Dimensions:
 - 28 - 36" height
 - 2 1/4" diameter
 - Orange Only for WZ applications (Other colors are 705 series)
 - Reflective Collars (Sheeting on QPL)
 - 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
 - QPL Website Common Notations:
 - Used to supplement temporary separators and low profile curb only
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FDOT Checklist for Category 1 Devices

(Last Updated 10/21/10)

Plastic Drums:

- Self-Certification Letter
 - FHWA min self-certification letter, plus
 - Statement that the sheeting used is in accordance with 994 and is on our QPL,
 - and MUST be Certified with Lights attached

 - Dimensions:
 - 36" height
 - 18" Diameter at top
 - Ballast options
 - Reflective Stripes alternate orange and white (Sheeting on QPL- Reboundable)
 - 4" to 6" height per band –
 - Top Stripe is Orange,
 - Two Orange and Two White Stripes min.
 - Any non-reflectorized space between stripes shall not exceed 3" wide
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FDOT Checklist for Category 1 Devices

(Last Updated 05/21/08)

STOP/SLOW Paddles:

- Letter stating the sheeting used is in accordance with 994 and is on our QPL.
 - 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 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; or
 - 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; or
 - One white or red light centered below the STOP legend; and/or one white or yellow light centered below the SLOW legend; or
 - 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.
 - QPL Website Common Notations:
 - 24" Paddle with Type III or greater sheeting
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FDOT Checklist for Category 1 Devices

(Last Updated 10/21/10)

Temporary Rumble Strips:

- Self-Certification** letter shall contain at a minimum:
 - Name and address of vendor making the certification.
 - Physical detailed description of product. (Materials (polymer striping tape or a molded engineered polymer material), size, shape, thickness, colors, etc.)
 - Statement certifying the product meets all requirements identified in specification 102 and 990.
 - 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.

 - Small Size Sample of Material**
 - Send into QPL office with application
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Specification effective 1/1/11 –

990-9.1 General: Temporary Raised Rumble Strips shall be one of the products listed on the QPL. Meet the physical display and operational requirements in the MUTCD for Temporary Raised Rumble Strips. The Temporary Raised Rumble Strip may be either a removable polymer striping tape type or a molded engineered polymer material type as described below:

990-9.1.1 Removable Polymer Striping Tape:

Characteristic	Requirement
Composition:	Removable Polymer Striping Tape with pre-applied adhesive
Color:	White, Black or Orange
Cross-section:	0.25 in. to 0.50 in. (height) x 4 in. (wide)

990-9.1.2 Molded Engineered Polymer Material:

Characteristic	Requirement
Composition:	Molded Engineered Polymer Material
Weight	Internally ballasted to provide proper weight to maintain position in use without the use of adhesives or mechanical fasteners
Color:	White, Black or Orange
Shape	Beveled on the leading edge
Cross-section:	0.625 in. to 0.875 in. (height) x 12 in. (wide)