



Public Works Department

TRAFFIC ENGINEERING DIVISION

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TO: Public Works Department/Traffic Engineering Division Personnel
FROM: Scott Brunner, P.E., Director, Traffic Engineering Division
DATE: February 8, 2023
SUBJECT: Traffic Engineering Division Technical Policy Memo No. TPM-23-001
Specifications for Retroreflective Traffic Sign Materials
EFFECTIVE: February 8, 2023
EXPIRES: December 23, 2025 unless superseded upon release of new MUTCD
PRIOR EFFECTIVE: November 4, 2020, through December 22, 2022

In response to recent directives established by the Federal Highway Administration (FHWA), and in accordance with Section 2A.08 of the [2009 Manual on Uniform Traffic Control Devices \(MUTCD\)](#), pertaining to minimum standards of retroreflectivity for roadway traffic signs, it shall be the policy of the Traffic Engineering Division to fabricate, install, and maintain all traffic control signs under its jurisdiction with the highest grade of retroreflective materials available in the industry. The use of the highest quality materials will ensure optimal levels of retroreflectivity throughout the life of the subject traffic control signs, reduce field maintenance and life-cycle replacement, and improve overall safety for system users.

Therefore, effective January 31, 2023, the Traffic Engineering Division shall continue to only install and approve traffic control signs that meet all of the following:

1. Meet the criteria outlined in Section 2A.08 of the 2009 MUTCD.
2. Meet the specifications outlined in Section 700 and 994 of the [2021 Standard Specifications of the Florida Department of Transportation \(FDOT\)](#).
3. Consist of sheeting materials certified to meet the reflective sheeting requirements outlined in the 2019 version of ASTM D4956 for Type XI (FDOT Type XI) retroreflective sheeting materials made with prisms; except for school zone, pedestrian, and shared

use path signs which shall be comprised of reflective fluorescent yellow-green sheeting certified to meet ASTM D4956 Type IV (FDOT Type IV) reflective sheeting requirements.

4. Consist of retroreflective sheeting materials that have a valid FDOT Approved Product List certification for Specification 700 Highway Signing for FDOT Sheeting Type XI (or Type IV for school zone, pedestrian, and shared use path signs), approved for jobs let after February 8, 2023.
5. Consist of ink screen printing and/or overlay film (acrylic, electronic cuttable vinyl) signs materials only. Digital printing, including inkjet printing, will not be accepted.

These specifications shall be applied to all County, municipal and privately-installed traffic control signs to be maintained by the Traffic Engineering Division and shall be applicable to all sign types and colors, except fluorescent pink emergency management signs that shall be covered by a future policy memorandum.

Traffic Engineering Division Technical Policy Memo # TPM-23-001 Specifications for Retroreflective Traffic Sign Materials

EFFECTIVE DATE

This policy shall be in effect through December 31, 2025, unless superseded by an updated technical policy memorandum.

APPROVED



Scott Brunner, P.E.
Director

2.8.2023

_____ Date

- C. Andrew G. Sebo, P.E., Assistant Director, Traffic Engineering Division
Carmelo Caratozzolo, P.E., Traffic Operations Engineer, Traffic Engineering Division
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