



## Florida Department of Transportation

JEB BUSH  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.  
SECRETARY

**Mail Station 32**

### ROADWAY DESIGN BULLETIN 06-03

**DATE:** May 3, 2006

**TO:** District Traffic Operations Engineers, District Design Engineers, Plans Preparation Manual Holders

**FROM:** David C. O'Hagan, PE, State Roadway Design Engineer  
Lap T. Hoang, PE, State Traffic Operations Engineer

*James A. Miller for  
Lap T. Hoang*

**COPIES:** Robert Greer, Brian Blanchard, Tim Lattner, William Nickas,  
Duane Brautigam, Chris Richter, FHWA

**SUBJECT:** Pavement Markings for Exits on Limited Access Facilities

#### **REQUIREMENTS:**

All exits on limited access facilities shall include pavement marking to identify the exit number. The pavement marking shall be located on the shoulder just prior to the exit taper.

The pavement markings shall utilize an 8' letter height and comply with the MUTCD for elongated letters and numbers for word pavement markings. The maximum message width shall be 70" to fit between the rumble strip and the outside edge of the paved shoulder. Since the pavement markings may include two messages, the markings shall read in the direction of travel. The spacing between messages shall be 50'.

The messages shall be white with a contrasting black background. The thickness of the preformed message shall be 125 mils. The black contrasting material shall have a minimum skid resistant value of 55 BPN.

**COMMENTARY:**

The MUTCD provides the following guidance on the spacing between lines of information; “the longitudinal space between word or symbol message markings, should be at least four times the height of the characters for low-speed roads, but not more than ten times the height of the characters under any condition”.

The 50’ spacing was determined based on field observation by Department staff.

**BACKGROUND:**

These pavement markings have been added to provide aerial identification of exits and to provide identification of exits on the ground if the signs have been damaged. These markings are primarily intended for emergency management use in coordinating evacuation and relief efforts.

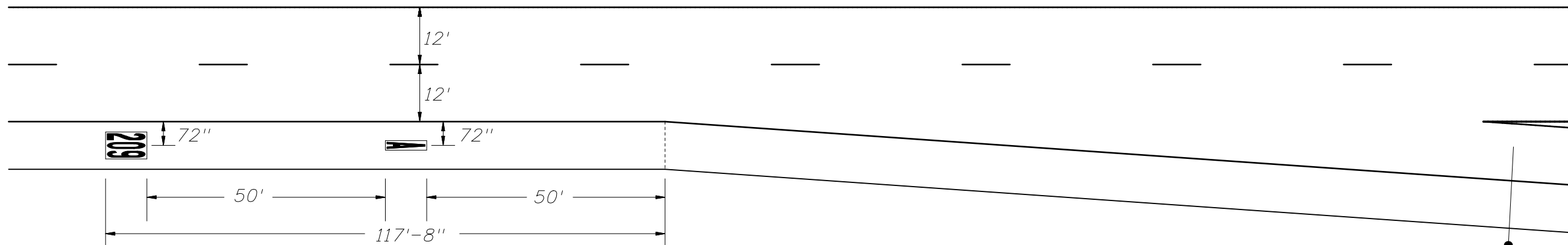
**IMPLEMENTATION:**

Districts are authorized to proceed immediately with the installation of the pavement markings on the existing system. The attached details shall be included for all projects let prior to January 1, 2007. All current resurfacing projects and those to be let prior to January 1, 2007 on limited access facilities should be coordinated with the District Traffic Operations Engineer and District Maintenance Engineer.

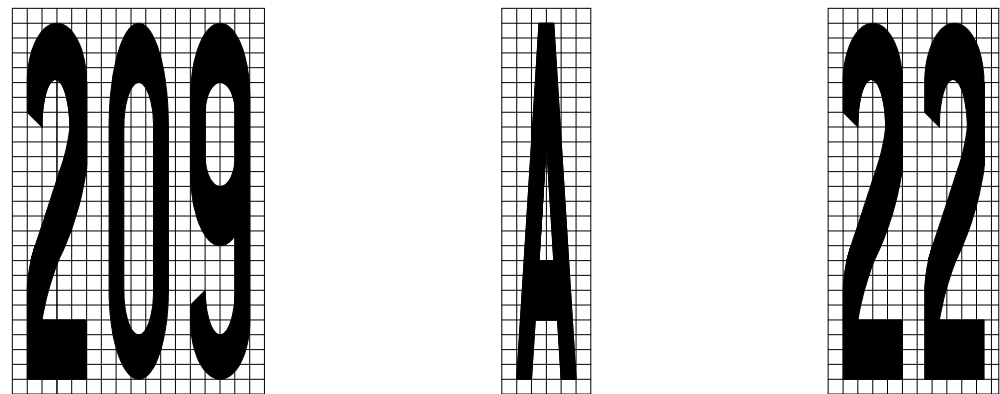
The details will be issued as an Interim Standard for the January 2007 Standards Modifications for all projects let after January 1, 2007. Details for the installation can also be found at the following website: <http://www.dot.state.fl.us/rddesign/updates/files/updates.htm>.

**CONTACT:**

Chester A. Henson, PE  
State Traffic Standards Engineer  
[chester.henson@dot.state.fl.us](mailto:chester.henson@dot.state.fl.us)  
850-414-4117  
Suncom 994-4117.



LAYOUT FOR 1, 2 AND 3 DIGIT NUMBERS AND LETTERS

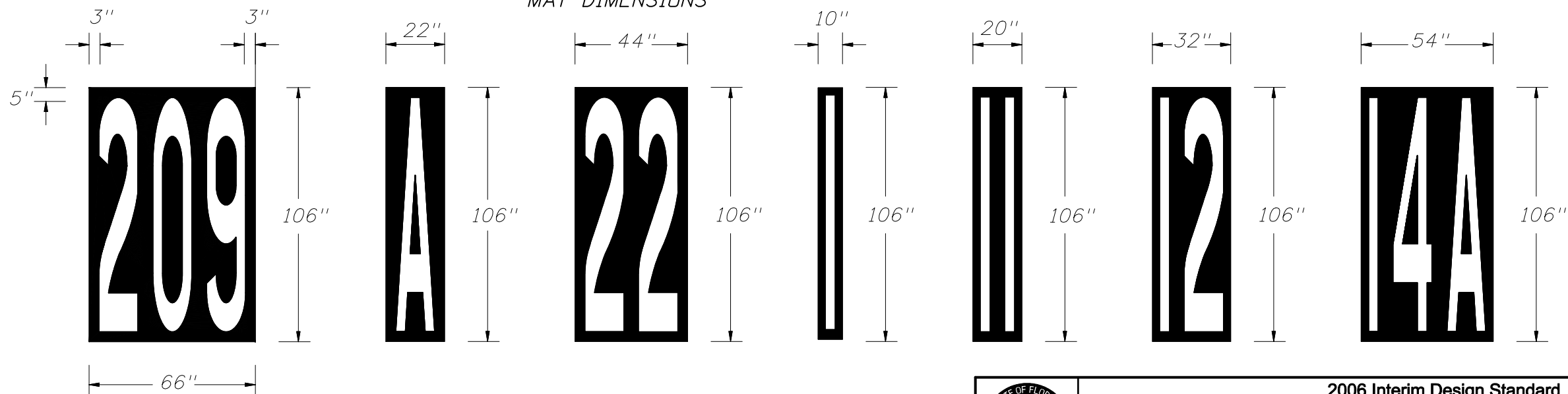


MESSAGE SIZE AND SPACING

NOTES:

1. Messages shall meet requirements of Specification Section 971-7 and Section 711.
2. The thickness of the preformed message shall be 125 mils.
3. The message shall consist of white letters and numbers with black contrasting material. The black material shall meet the mat dimensions shown and have a minimum skid resistance value of 55 BPN.
4. The "EXIT NUMBER" position remains the same (117'-8") from the beginning of taper regardless of the number of lines of information.

MAT DIMENSIONS



2006 Interim Design Standard

SPECIAL MARKING AREAS

|                          |                      |
|--------------------------|----------------------|
| Interim Date<br>07-01-07 | Sheet No.<br>6 of 14 |
| Index No.<br>17346       |                      |