

SECTION 01558

TEMPORARY PAVEMENT MARKINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Materials and procedures for installation of temporary pavement markings.

1.2 RELATED SECTIONS

- A. Section 01554: Traffic Control
- B. Section 02765: Pavement Marking Paint
- C. Section 02842: Delineators.

1.3 REFERENCES

- A. ASTM D 4592: Preformed Plastic Pavement Marking Tape for Limited Service Life.
- B. ASTM D-4956: Retroreflective Sheeting for Traffic Control

PART 2 PRODUCTS

2.1 PAVEMENT MARKING PAINT AND GLASS BEADS

- A. Refer to Section 02765.
- B. Accepted upon approval of the weights and analysis stated on the containers.

2.2 PAVEMENT MARKING TAPE

- A. ASTM D 4592, Type I (Removable)

- B. Minimum reflective values:
 - 1. ASTM D 4592

2.3 RAISED PAVEMENT MARKERS

- A. Provide plastic raised pavement markers having reflective material with clear cover(s) as needed for the particular application.
 - 1. Marker body to be manufactured of polyurethane plastic in color specified for required type.
 - a. Width 4 inches, height 2 inches, thickness 0.06 inches.
 - 2. Reflective sheeting to be a minimum area of 1.50 in². Sheeting to meet ASTM D-4956 Type 1 material minimum.
 - 3. Provide clear polyvinyl chloride covers attached to marker body with heavy duty staples when appropriate for the particular application or work operation.
 - 4. Marker to be supplied with a method of attaching to pavement surface.
- B. Raised Pavement Marker Types
 - 1. Type Y1, yellow body with yellow reflective sheeting on both sides.
 - a. Optional: Type B1, black body with yellow reflective sheeting on both sides.
 - 2. Type W1, white body with white reflective sheeting on both sides.
 - Optional: Type B2, black body with white reflective sheeting on both sides.

PART 3 EXECUTION

3.1 GENERAL

- A. Apply temporary pavement markings along the entire length of any roadway surfaces opened to traffic.
 - 1. Apply edge markings when and where delineation is removed or nonexistent.
 - 2. Broken line pavement markings are 3 ft long, spaced on a 40 ft cycle length.
- B. Follow Preparation requirements in Section 02765, article 3.1.

- C. Use channelizing devices, or other delineation as directed by the Engineer, to indicate road user paths in work zones when it is not possible to provide a clear path with temporary pavement markings.
- D. Place transverse marking, using pavement marking tape (4 inches x 24 inches), across exposed longitudinal joint for pavement vertical grade separation greater than 1 inch.
 - 1. Place markings on a 25 ft spacing.

3.2 PAVEMENT MARKING PAINT AND GLASS BEADS

- A. Apply Pavement Marking Paint at the following rates:
 - 1. 4 inch solid line at 480 to 510 ft/gal.
 - 2. 4 inch by 3 ft broken line at 6400 to 6800 ft/gal.
- B. Apply glass beads at a minimum 6 lbs/gal of paint, over full length and width of lines and pavement markings.
- C. Re-apply Pavement Marking Paint at two week intervals, or at a frequency as directed by the Engineer, in order to maintain markings that provide a clear path during night and twilight periods and wet pavement conditions.

3.3 PAVEMENT MARKING TAPE

- A. Apply Pavement Marking Tape in accordance with manufacturer's directions.
- B. Maintain or re-apply Pavement Marking Tape in order to maintain markings that provide a clear path during night and twilight periods and wet pavement conditions.
- C. Inspect in accordance with Section 01554, article 1.7, paragraph C., and replace any loose, missing, or damaged pavement markings immediately.
- D. Remove the tape immediately before paving.

3.4 RAISED PAVEMENT MARKERS

- A. Attach raised pavement marker as per manufactures recommendations.
- B. Space raised pavement markers as follows:

1. Solid line: on 5 ft centers.
 2. Broken line: Two on 3 ft centers spaced on a 40 ft cycle length
- C. Inspect in accordance with Section 01554, article 1.7, paragraph C., and replace any loose, missing, or damaged markers immediately.
- D. Remove markers immediately before paving.

END OF SECTION