

SECTION 02765

TEMPORARY AND REMOVABLE REFLECTORIZED PAVEMENT MARKINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Temporary retroreflective preformed pavement markings for use in work zone areas.

1.02 MEASUREMENT AND PAYMENT

A. Unit Prices.

1. Pavement will be by the foot or by each word, shape, symbol, or temporary flexible reflective roadway marker tab. Each stripe will be measured separately. Raised pavement markers used to simulate a marking will be measured by the foot of marking or by each raised pavement marker.
2. This price is full compensation for furnishing, placing, maintaining, and removing work zone pavement markings and for materials, equipment, labor, tools, and incidentals
3. Refer to Section 01270 - Measurement and Payment for unit price procedures.

B. Stipulated Price (Lump Sum). If Contract is Stipulated Price Contract, payment for work in this Section is included in total Stipulated Price.

1.03 REFERENCES

- A. TXDOT DMS-4200, "Pavement Markers (Reflectorized),"
- B. TXDOT DMS-4300, "Traffic Buttons,"
- C. TXDOT DMS-8240, "Permanent Prefabricated Pavement Markings,"
- D. TXDOT DMS-8241, "Removable Prefabricated Pavement Markings,"
- E. TXDOT DMS-8242, "Temporary Flexible-Reflective Road Marker Tabs,"
- F. TXDOT DMS-8200, "Traffic Paint,"
- G. TXDOT DMS-8220, "Hot Applied Thermoplastic," and

H TXDOT DMS-8290, "Glass Traffic Beads."

1.04 SUBMITTALS

- A. Conform to requirements of Section 01330 - Submittal Procedures.
- B. Submit manufacturer's product data for each proposed class of marking material and installation instructions for approval. Include certificate by manufacturer that each class of marking conforms to requirements of this Section.
- C. Submit details of manufacturer's removal and replacement policy for each class of marker.

1.05 DELIVERY AND STORAGE

- A. Deliver preformed plastic marking material in rolls or strips.
- B. Store material in cool dry conditions as recommended by manufacturer until application.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Provide thermoplastic, paint and beads, raised pavement markers, prefabricated pavement markings, temporary flexible reflective roadway marker tabs, or other approved materials for work zone pavement markings.
- B. Nonremovable Markings. Use hot-applied thermoplastic or permanent prefabricated pavement markings for nonremovable markings. Paint and beads or other materials are not allowed for nonremovable markings unless shown on the plans.
- C. Removable and Short-Term Markings. Use raised pavement markers, removable prefabricated pavement markings, temporary flexible reflective roadway marker tabs, or other approved materials for removable and short-term markings. Do not use hot-applied thermoplastic or traffic paint for removable markings. Use removable prefabricated pavement markings on the final pavement surface when the plans specify removable markings.

2.02 PERFORMANCE REQUIREMENTS

- A Performance Requirements. All markings must be visible from a

distance of at least 300 ft. in daylight conditions and from a distance of at least 160 ft. in nighttime conditions, illuminated by automobile lowbeam headlight. Determine visibility distances using an automobile traveling on the roadway under dry conditions.

- B Maintain the markings for 30 calendar days after installation. The end of the 30-day maintenance period does not relieve the contractor from the performance deficiencies requiring corrective action identified during the 30-day period. If markings fail to meet the requirements of this section during the 30-day period, remove and replace them at the Contractor's expense. The 30-calendar day performance requirement will begin again after replacement of the markings.
- C The daytime and nighttime reflected color of the markings must be distinctly white or yellow. The markings must exhibit uniform retroreflective characteristics.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Apply markings to clean dry surfaces in accordance with manufacturer's recommendations at locations indicated on Drawings, or as directed by City Engineer, per Section 02764 Raised Pavement Markers and Section 02767 Thermoplastic Pavement markings
- B. Place markings on each paving lift that is to be opened to traffic prior to end of each day's work.
- C. Maintain markings, and replace as needed, until they are covered with subsequent paving courses or replaced by permanent markings on final lifts.

3.02 REMOVAL

- A. Remove and obliterate markings on existing and final lifts used for redirecting traffic during construction. When blast cleaning is required, comply with requirements of Section 02762 - Blast Cleaning of Pavement.

END OF SECTION