

654.3.06

- c. Allow a slight bead of epoxy adhesive to extrude from under the marker edges.
 - d. Remove adhesive on the face of the marker or adhesive that obscures the marker. Do not use thinners or solvents to clean epoxy adhesives from the markers.
4. Marker Placement Using Bituminous Adhesives
Place markers using bituminous adhesives as follows:
- a. Place enough bituminous adhesive on the cleaned pavement or the bottom of the marker to completely cover the contact area of the marker.
 - b. Press the marker firmly to the pavement.
 - c. Allow a slight bead of adhesive to extrude from under the marker edges.
 - d. Remove adhesive on the face of the marker or adhesive that obscures the marker.
 - e. Place the marker before the bituminous adhesive cools and does not extrude around the perimeter of the marker when pressed to the roadway.

654.3.06 Quality Acceptance

Refer to QPL 74 for raised pavement markers that have met these requirements.

654.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

654.4 Measurement

The number of each type of installed and accepted pavement marker is counted separately for payment.

654.4.01 Limits

General Provisions 101 through 150.

654.5 Payment

Raised pavement markers will be paid for at the Unit Price for each Unit of each type. Payment is full compensation for furnishing and installing each marker.

When designated, payment will also include recessing the marker.

Payment will be made under:

Item No. 654	Raised pavement markers type _____	Per each
Item No. 654	Raised pavement markers type _____(recessed)	Per each

654.5.01 Adjustments

General Provisions 101 through 150.

Section 655—Pavement Arrow with Raised Reflectors

655.1 General Description

This work includes installing pavement arrows with raised reflectors. Mark arrows with traffic paint, thermoplastic, or preformed plastic pavement markings according to the Proposal and Plan details.

655.1.01 Definitions

General Provisions 101 through 150.

655.1.02 Related References

A. Standard Specifications

Section 652—Painting Traffic Stripe

Section 653—Thermoplastic Traffic Stripe

Section 654—Raised Pavement Markers

Section 657—Preformed Plastic Pavement Markings

Section 868—Bituminous Adhesive For Raised Pavement Markers

Section 870—Paint

Section 886—Epoxy Resin Adhesives

Section 913—Reflectorizing Materials

Section 919—Raised Pavement Marker Materials

B. Referenced Documents

General Provisions 101 through 150.

655.1.03 Submittals

General Provisions 101 through 150.

655.2 Materials

Ensure that materials conform to the following Specifications:

Material	Section
Glass Beads (Paint)	652.2
Thermoplastic Traffic Markings	653.2
Glass Spheres (Thermoplastic)	653.2.D
Preformed Plastic Pavement Markings	657
Bituminous Adhesive	868
Traffic Line Paint	870.2.02
Epoxy Adhesives, Type I	886.2.01.A
Raised Pavement Marker	919

655.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

655.3 Construction Requirements

655.3.01 Personnel

General Provisions 101 through 150.

655.3.02 Equipment

General Provisions 101 through 150.

655.3.03 Preparation

General Provisions 101 through 150.

655.3.04 Fabrication

General Provisions 101 through 150.

655.3.05 Construction

Install the raised markers for pavement arrows according to Subsection 654.3.05.

A. Painted Arrows

Apply painted arrows according to Section 652.

B. Thermoplastic Arrows

Except as noted below, place thermoplastic according to Section 653. Do not sand blast arrows to be coated with thermoplastic.

1. Apply thermoplastic 125 mils (3.18 mm) thick.

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2. Screed or level the thermoplastic.
3. Immediately embed the raised reflector in the molten thermoplastic.

C. Preformed Plastic Pavement Markings

Apply preformed plastic pavement markings according to Section 657.

655.3.06 Quality Acceptance

General Provisions 101 through 150.

655.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

655.4 Measurement

Each type of arrow is measured by the Unit.

655.4.01 Limits

General Provisions 101 through 150.

655.5 Payment

Each arrow will be paid for per Unit placed. Payment is full compensation for furnishing materials, cleaning, and installing the completed arrow with raised reflectors.

Payment will be made under:

Item No. 655	Pavement arrow (painted) with raised reflectors	Per each
Item No. 655	Pavement arrow (thermoplastic) with raised reflectors	Per each
Item No. 655	Pavement arrow (preformed plastic) with raised reflectors	Per each

655.5.01 Adjustments

General Provisions 101 through 150.

Section 656—Removal of Pavement Markings

656.1 General Description

This work includes removing existing traffic stripes or markings according to Plans or as designated by the Engineer.

656.1.01 Definitions

General Provisions 101 through 150.

656.1.02 Related References

A. Standard Specifications

Section 107—Legal Regulations and Responsibility to the Public

Section 150—Traffic Control

Section 804—Abrasives for Blast Cleaning

B. Referenced Documents

General Provisions 101 through 150.

656.1.03 Submittals

General Provisions 101 through 150.

656.2 Materials

General Provisions 101 through 150.