

B. Procedure

Follow this procedure to seal joints and cracks:

1. Place the prepackaged sealant mixture in the field installation equipment.
2. Heat the sealant mixture for the proper time and temperature to provide a full reaction between the asphalt and rubber.
3. Apply the mixture at the specified application temperature according to the manufacturer's recommendations or the laboratory's approval.
4. Carefully fill the joint or cracks, slightly overfull. Strike off the excess with a V-shaped squeegee to feather the sealant out to a width of approximately 2 in (50 mm).

407.3.06 Quality Acceptance

If the packaged units are bonded or stuck together or to the shipping container, or if packaging staples or fasteners cause sealant contamination, the material may be rejected as determined by the Engineer.

The manufacturer must meet the requirements of this Specification and furnish evidence of successful field installation and performance under similar environmental and project conditions.

407.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

407.4 Measurement

Joints and cracks will be measured by the linear foot (meter) by surface measure.

407.4.01 Limits

General Provisions 101 through 150.

407.5 Payment

Joints and cracks sealed according to the Plans and this Specification will be paid for at the Contract Unit Price bid.

Payment is full compensation for furnishing all materials and performing the work.

Payment will be made under:

Item No. 407	Polymer-modified asphalt –rubber joint and crack seal	Per linear foot (meter)
Item No. 407	Asphalt-rubber joint and crack seal, type "S"	Per linear foot (meter)
Item No. 407	Asphalt-rubber joint and crack seal, type "M"	Per linear foot (meter)

407.5.01 Adjustments

General Provisions 101 through 150.

Section 408—Joint and Crack Cleaning and Seal**408.1 General Description**

Specifications for this work will be included elsewhere in the Contract.

Section 411—Asphaltic Concrete Pavement, Partial Removal**411.1 General Description**

This work includes removing portions of existing asphaltic concrete pavement, removing base and subgrade as shown on the Plans or as directed by the Engineer, and sawing joints in the existing asphaltic concrete pavement.

411.1.01 Definitions

General Provisions 101 through 150.

411.1.02

411.1.02 Related References

A. Standard Specifications

Section 205—Roadway Excavation

Section 444—Sawed Joints in Existing Portland Cement Concrete Pavements

B. Related Documents

General Provisions 101 through 150.

411.1.03 Submittals

General Provisions 101 through 150.

411.2 Materials

General Provisions 101 through 150.

411.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

411.3 Construction Requirements

411.3.01 Personnel

General Provisions 101 through 150.

411.3.02 Equipment

General Provisions 101 through 150.

411.3.03 Preparation

General Provisions 101 through 150.

411.3.04 Fabrication

General Provisions 101 through 150.

411.3.05 Construction

A. Saw Joints

Saw joints as follows:

1. Saw joints true to the lines shown on the Plans or as directed by the Engineer.
2. Saw joints the full depth of the existing asphaltic concrete unless otherwise shown on the Plans or directed by the Engineer.
3. Leave a neat, vertical face for the full depth of the retained portion.

The Engineer may approve sawing less than full depth if the Contractor demonstrates that the requirements can be met.

B. Remove Pavement

After sawing the joints, begin removing the isolated pavement.

Use removal methods that will not damage the pavement edges that will remain in place or impede the proposed construction.

Pavement, base, or subgrade removed becomes the Contractor's property unless otherwise specified in the Contract.

C. Protect Remaining Edges

After removing the pavement, protect the pavement edges that will remain in place.

1. Do not allow traffic or equipment to cross the remaining edges.
2. Repair or restore the damaged edges to the Engineer's satisfaction at no additional cost to the Department.

411.3.06 Quality Acceptance

General Provisions 101 through 150.

411.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

411.4 Measurement

This work will not be measured separately for payment.

411.4.01 Limits

General Provisions 101 through 150.

411.5 Payment

No separate payment will be made for the work described in this section.

When Item 205 is included in the Proposal as a Pay Item, payment for this work is included in payment for unclassified excavation by the cubic yard (meter) as described in Subsection 205.4, "Measurement." Otherwise, payment is included in the overall price bid for other Contract Items.

Payment is full compensation for providing labor and equipment, sawing, removing and disposing, and providing other incidentals to accomplish the work described in this Specification.

Sawing Portland cement concrete overlaid with asphaltic concrete will be measured and paid for according to Section 444.

411.5.01 Adjustments

General Provisions 101 through 150.

Section 412—Bituminous Prime**412.1 General Description**

This work includes preparing and treating an existing surface with bituminous material and blotter material, if required. Treat the surface according to these Specifications and conform to the lines shown on the Plans or established by the Engineer.

412.1.01 Definitions

General Provisions 101 through 150.

412.1.02 Related References**A. Standard Specifications**

Section 424—Bituminous Surface Treatment

Section 821—Cutback Asphalt

B. Referenced Documents

General Provisions 101 through 150.

412.1.03 Submittals

General Provisions 101 through 150.

412.2 Materials

Unless otherwise specified, select the types of bituminous materials. The Engineer will determine the grade of materials to be used. The Specifications for the bituminous materials include:

Material	Section
Cutback Asphalt, RC-30, RC-70, RC-250 or MC-250, MC-30, or MC-70	821.2.01
Blotter Material (Sand)	412.3.05.G.3

412.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.