

ALL OF THE AREAS NOT INSIDE THE BLUE CLOUD ARE REQUIRED TO BE COMPLETED. ONCE THE ROADS NOT IN THE BLUE CLOUD ARE COMPLETED, THEN YOU WILL MOVE ONTO THE BLUE CLOUDED PORTION. IF THERE IS STILL CRACK SEAL AVAILABLE, THE CITY WILL FIND ADDITIONAL ROADWAYS TO CRACK SEAL.

Legend

-  Mastic Seal Treatment
-  Microsurface Treatment
-  Plan Sheet Index
-  City Boundary

TOTAL SQUARE YARDS OF ASPHALT SHOWN IN AREAS
NOT IN CLOUD: RED LINES = 139,000 SQUARE YARDS
YELLOW LINES = 74,000 SQUARE YARDS



SECTION 32 01 17.61
SEALING CRACKS IN ASPHALT PAVING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Section Includes: Crack sealing for asphalt pavements.
- B. Related Requirements:
 - 1. Section 01 50 00 – Temporary Facilities and Controls.

1.2 UNIT PRICES - MEASUREMENT AND PAYMENT

- A. Crack Sealing:
 - 1. Measurement: By ton.
 - 2. Payment: Includes equipment and labor for cleaning out cracks, placing sealant, and incidental work.

(REMAINDER OF PAGE INTENTIONALLY LEFT BLANK)

1.3 FIELD CONDITIONS

- A. Do not place sealant when cracks are wet.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Crack seal provided by Richfield City located at City yard.

2.2 EQUIPMENT

- A. Use circulating hot oil heat transfer for heating sealant.
- B. Do not use direct heat transfer units.
- C. Do not use equipment with tank capacity exceeding 500 gallons.
- D. Use sealant unit equipped with thermometer for reading temperature of sealant.

PART 3 EXECUTION

3.1 PREPARATION

- A. Remove foreign matter and loose particles from cracks by compressed air blasting.
- B. Unless indicated otherwise by manufacturer's application instructions, heat sealant to 325 to 375 degrees Fahrenheit.

3.2 APPLICATION

- A. Seal cracks 1/4 inch wide and larger.
- B. Apply sealant when sealant is at 275 to 325 degrees Fahrenheit.
- C. Fill cracks with sealant flush with surface or overfill cracks and immediately squeegee.
- D. If cracks are overfilled and squeegeed, center squeegeed material on crack. Do not allow squeegeed material to extend more than 1 inch on either side of crack or exceed 1/16 inch thickness.
- E. Seal cracks across full width of pavement.
- F. Add sealant to existing sealed cracks that have settled.

- G. Where necessary, make multiple passes to fill cracks and eliminate depressions in new and existing cracks.

3.3 PROTECTION

- A. After placement, protect sealant from tracking or pullout.

END OF SECTION