

Patching or leveling of an existing bituminous surface constructed under a previous Contract will be paid for according to the following provisions:

- A. If no excavation is required, payment will be made at the Contract Unit Prices for the materials used in the repair.
- B. When the patching requires excavation, the method and site of disposal of the waste materials shall be subject to the approval of the Engineer, and:
  - 1. Payment for prime, tack, and the bitumen in the mix used in the repair will be made at the Contract Unit Prices for those items.
  - 2. If the excavated material is disposed of within the Right of Way adjacent to the work site, payment for the bituminous mixture used in the repair will be made per Ton as follows: Contract Unit Price plus the price per Ton listed in the "Price Schedule PS-1."
  - 3. If the excavated material is loaded and hauled to a disposal area not adjacent to the work site, payment for the bituminous mixture used in the repair will be made per Ton as follows: Contract Unit Price plus the price per Ton listed in the "Price Schedule PS-1."
  - 4. If aggregate is used for a portion of the backfill, or for other reasons B.2 and B.3 above are not applicable, the repair work will be paid for under Section 104.03 D.
- C. Payment as provided above will be considered full compensation for the excavation, haul, and disposal of the waste material, preparation of the area to be repaired, and for furnishing and placing the materials used in the repair.

## SECTION 403 STOCKPILED HOT BITUMINOUS MIX

### 403.01 DESCRIPTION.

The work consists of aggregate and bituminous material mixed in a central mixing plant and stockpiled as specified in the Contract.

### 403.02 MATERIALS.

- A. **Bitumen.** Bitumen shall meet and will be accepted according to Section 818 and will be of the type and grade specified. Bitumen will be conditionally accepted at the Project and sampled according to Department procedures.
- B. **Aggregate.** Aggregate shall meet Section 816 for the class of aggregate or the gradation specified. The material will be tested before production can begin. After

the initial sample has passed, acceptance of the aggregate will be based on gradation requirements. The gradation will be determined by the testing of one random sample taken from the hot mix plant before the addition of bitumen for each 1,000 tons of mix produced.

#### 403.03 EQUIPMENT.

Equipment shall meet the following:

Item	Section
General	151.01
Hauling Equipment	151.03
Truck Scales	151.07
Hot Bituminous Equipment	152

#### 403.04 CONSTRUCTION REQUIREMENTS.

- A. **Pit Operations and Stockpiling of Material.** Stripping of the pit and pit operations shall be conducted according to Section 106.02.

A stockpile in one-layer dumps is not permitted. The mixed material shall be pushed up with a front-end loader and placed into a neat symmetrical pile, permitting good drainage, and having low compaction so removal of the material will not be difficult. The Contractor shall not operate any equipment on the stockpile. The approximate dimensions of the stockpile will be determined by the Engineer.

- B. **Preparation of Bituminous Material.** The bitumen shall not be overheated and shall be supplied to the mixer or drum dryer at a uniform temperature.
- C. **Preparation of Aggregate.** Ten percent of the material retained by weight on the No. 8 sieve shall have at least one fractured face. The Contractor shall not be required to split the aggregate into separate sizes or stockpiles.
- D. **Mixing.** The required quantities of aggregate and bitumen shall be introduced into the mixer and the materials mixed until a uniform and complete coating of the aggregate is obtained.

The asphalt content of the bituminous mixture shall not vary from the quantity determined by the Engineer by more than  $\pm 0.50$  percentage points. The use of the flow rate meter as specified in Section 152.01 F is not required.

The aggregate shall be dried and heated at the plant to reduce the moisture in the bituminous mixture to no more than that percentage specified. A moisture sample will be taken for each 1,000 tons of mix produced. The maximum mix temperature at mixer discharge shall be 225°F.

#### 403.05 METHOD OF MEASUREMENT.

- A. **Stockpiled Hot Bituminous Mix.** Stockpiled Hot Bituminous Mix will be measured by the Ton according to Section 109. Batch weights will not be used for measurement unless the plant is equipped with an automatic batching and weighing system conforming to Section 151.07. The tonnage will be the weight of the

accepted material placed in the stockpile. No deduction will be made for the weight of bitumen used in the mixture.

- B. **Bitumen.** Bitumen will be measured according to Section 109 and the quantity of bitumen will be the number of Tons used in the accepted work.

#### 403.06 BASIS OF PAYMENT.

Payment will be made at the Contract Unit Price for the following:

<b>Pay Item</b>	<b>Pay Unit</b>
Stockpiled Hot Bituminous Mix	Ton
Liquid Asphalt	Ton

This payment will be full compensation for all labor, equipment, and materials necessary to complete the work.

## SECTION 405 REMOVE AND SALVAGE BITUMINOUS PAVEMENT

#### 405.01 DESCRIPTION.

This work consists of partially or completely removing a bituminous surface, and loading, hauling, and stockpiling the material.

#### 405.02 CONSTRUCTION REQUIREMENTS.

- A. **Prepare Stockpile Site.** The Contractor shall remove and stockpile all available topsoil, up to a maximum of one foot. The site shall be shaped and compacted so water drains away from the salvaged bituminous stockpile. The Contractor shall furnish, place, compact, and shape to drain, a 6-inch depth of granular material, with less than 30% passing the No. 200 sieve over the stockpile site.
- B. **Remove and Salvage Bituminous Surfacing.** Salvaged bituminous surfacing shall be removed, without contamination, to the specified depth, width, location, and surface tolerance designated. Before removal, the surface shall be cleaned of all debris. Tracked or wheeled loaders may be used for removal. The use of earthmoving equipment such as dozers or scrapers will not be permitted unless the Contractor can satisfactorily demonstrate to the Engineer that no contamination from underlying material will occur.

During the removal operations the Contractor shall control the dust and prevent any littering on the traffic lanes.

If the Project is open to traffic, the edge of the area where the surfacing has been removed shall be tapered up to meet the surface of the adjacent remaining pave-