

## **Section 317—Reconstructed Base Course**

### **317.1 General Description**

This work includes reconstructing base courses by:

- Reshaping the existing road surface
- Adding the required amount of new material
- Compacting materials to form a foundation course for other base courses, surface courses, or pavements

Construct base courses according to these Specifications and to the lines, grades, and typical cross-sections shown on the Plans or established by the Engineer.

Apply all of the provisions of Section 300 to this Item.

#### **317.1.01 Definitions**

General Provisions 101 through 150.

#### **317.1.02 Related References**

##### **A. Standard Specifications**

Section 109—Measurement and Payment

Section 300—General Specifications for Base and Subbase Courses

Section 412—Bituminous Prime

##### **B. Referenced Documents**

General Provisions 101 through 150.

#### **317.1.03 Submittals**

General Provisions 101 through 150.

### **317.2 Materials**

Use materials shown on the Plans or Proposal that conform to the requirements in these Specifications for each type of material.

#### **317.2.01 Delivery, Storage, and Handling**

General Provisions 101 through 150.

### **317.3 Construction Requirements**

#### **317.3.01 Personnel**

General Provisions 101 through 150.

#### **317.3.02 Equipment**

Provide equipment in satisfactory condition for the proper reconstruction of the base course.

#### **317.3.03 Preparation**

General Provisions 101 through 150.

#### **317.3.04 Fabrication**

General Provisions 101 through 150.

#### **317.3.05 Construction**

##### **A. Methods**

With the following methods, bring the existing road surface up to the established grade to conform to the cross-section indicated on the Plans.

1. Remove Unsuitable Material

When existing roadbed material is unsuitable for use, remove and replace it with approved material.

## 2. Remove and Stockpile Existing Base

If removing roadbed materials to stockpile for further use, as shown on the Plans, follow these steps:

- a. Scarify and pulverize the roadbed to the specified depth, without removing the subgrade or shoulder material.
- b. Deposit material in stockpiles on thoroughly clean surfaces.
- c. Minimize segregation of the separate ingredients when stockpiling the material.

## 3. Scarify

If leaving roadbed material in place, scarify below the upper surface of the finished base course to a uniform depth, and to the entire width of the finished base course, to:

- a. Eliminate all depressions and irregularities
- b. Allow the bonding of any additional material to the old base
- c. Reshape to the required cross-section

If the surface has been treated with a bituminous material, break it down sufficiently to incorporate into the existing base. If this is impossible, remove it from the base and dispose of it as the Engineer directs.

## 4. Add New Material

Where unsuitable material has been removed, shape the subgrade or remaining material as directed to add material. Use new material that conforms to the governing Specification.

## 5. Replace Stockpiled Material

After shaping the subgrade, place stockpiled material along with any additional new material on the roadbed. If the existing roadbed material is satisfactory for use, but deficient in thickness after scarifying, bring the surface to the grade and depth indicated on the Plans by:

- a. Removing all material larger than 3 in (75 mm) in diameter
- b. Adding new material

### B. Mix and Shape

After adding the required amount of new material, thoroughly mix the old and new base course. Mix according to the requirements set out under the Specifications for the type of base being constructed. During the mixing and shaping operations, add sufficient quantities of water, if needed, to secure proper moisture conditions.

After mixing, shape the entire roadbed to the required grade and cross-section. Remix and reshape all or any part of the base as necessary, to obtain the desired results.

### C. Compact and Finish

After mixing and shaping the base material, compact and finish according to the Specifications for the type of base being reconstructed.

### D. Prime

After compaction, preserve the base by priming according to Section 412.

### 317.3.06 Quality Acceptance

General Provisions 101 through 150.

### 317.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

## 317.4 Measurement

### A. Base Preparation

Base preparation is measured along the center of the road in miles (kilometers) or in square yards (meters).

### B. Removed Unsuitable Material

Removed unsuitable material is measured according to the Earthwork Item in the Contract.

### C. Additional Material

Where specified for payment by the cubic yard (meter), the new material added to reconstruct the base is measured by the cubic yard (meter) loose volume as specified in Section 109.

### 317.4.01

Where specified for payment by the ton (megagram), new material is measured in tons (megagrams), as mixed and accepted. The actual weight is determined by weighing each loaded vehicle with an approved motor truck scale as the material is hauled to the roadway. The actual weight will be the pay weight.

#### **D. Removed, Stockpiled, and Replaced Material**

The removal, stockpiling, and replacing of material is measured by the cubic yard (meter) loose volume as specified in Section 109.

#### **E. Prime**

Bituminous prime is not measured for separate payment; include it in the price of base preparation.

### **317.4.01 Limits**

General Provisions 101 through 150.

## **317.5 Payment**

#### **A. Removed Unsuitable Material**

The removal of unsuitable material will be paid for according to the Earthwork Item in the Contract.

#### **B. Removed and Stockpiled Material**

The removal and stockpiling of existing base material will be paid for at the Contract Unit Price per cubic yard (meter). This payment will be full compensation for:

- Scarifying
- Pulverizing
- Loading, hauling, and unloading
- Replacing all existing material from stockpiles

#### **C. Replaced Base Material**

The replacement of existing base material from stockpiled materials will be paid for at the Contract Unit Price per cubic yard (meter). This will be full compensation for:

- Loading, hauling, and unloading
- Replacing all existing material from stockpile, as required

#### **D. Base Preparation**

The preparation of the base will be paid for at the Contract Unit Price per mile (kilometer) or per square yard (meter). This payment will be full compensation for:

- Scarifying
- Shaping
- All machining necessary to bring the existing road surface to the established grade and to the cross-section shown on the Plans
- Priming

Payment will be made under:

Item No. 317	Additional reconstructed base material	Per cubic yard (meter) or ton (megagram)
Item No. 317	Additional reconstructed base material, including material	Per cubic yard (meter) or ton (megagram)
Item No. 317	Removing and stockpiling existing base material	Per cubic yard (meter)
Item No. 317	Replacing existing base material from stockpile	Per cubic yard (meter)
Item No. 317	Base preparation	Per mile (kilometer) or square yard (meter)

### **317.5.01 Adjustments**

General Provisions 101 through 150.