

Sealing Existing Pavement Cracks and Joints (With Router or Diamond Saw) Pound

REMOVAL OF EXISTING CONCRETE PAVEMENT SLABS:

Description:

The work covered by these provisions consists of removing existing concrete pavement slabs or partial slabs in accordance with the detail in the plans at locations as directed by the Engineer. The slab removal shall be performed in a manner to minimize damage to the adjacent slabs and underlying base material.

Materials:

- Select Material, Class IV.....Section 1016
- Geotextile for Soil Stabilization, Type 4.....Section 1056

Construction:

The extent of slab removal shall be as directed by the Engineer, but in no case shall the minimum length of partial slabs, measured parallel to the centerline be less than 10 feet. Also with a partial slab removal, a minimum length of 10 feet of the existing slab shall be retained; otherwise, the entire slab shall be removed.

The slab or partial slab to be removed shall be sawed full depth on its sides adjacent to existing slabs, including existing transverse and longitudinal joints where applicable. When necessary to prevent shoulder damage, an additional cut shall be made in the adjacent shoulder joint. The defective slab shall be removed in a minimum of three (3) sections, with the middle section removed first in a manner to minimize damage of the adjacent slabs.

All existing unitube material, existing joint material, and debris shall be removed from the existing transverse and longitudinal joints, which are exposed by the slab removal before the slab is replaced. The existing plant mix material or existing ABC under the slab shall be removed as part of the slab removal. All loose underlying base material, earth material and/or subseal grout shall be undercut to sound well compacted base. This material will be considered undercut excavation.

The Contractor shall place Geotextile for Soil Stabilization and Select Material, Class IV in undercut areas. Where the required thickness of Select Material, Class IV is 12” or less, the material may be spread and compacted in one layer. Where the required compacted thickness is more than 12”, spread the material in 2 or more approximately equal layers. Compact select material to 92% of AASHTO T180 as modified by the Department or to the highest density that can be reasonably obtained.

The Contractor shall place B25.0C or ABC (to match existing conditions) and high early strength concrete pavement or asphalt base course in areas where the slab was removed, as directed by the Engineer. If using concrete pavement, join the proposed concrete pavement to the existing concrete pavement in accordance with Standard Drawing No. 700.05.

The Contractor may develop and submit an alternate method of slab removal for approval by the Engineer, which satisfactorily avoids damage to the adjacent slabs and underlying base material.

Measurement

The quantity of pavement removal, full slab or partial slab, will be the actual number of square yards removed and disposed of. The quantity will be determined by actual surface measurement of pavement prior to its removal.

Basis of Payment

The quantity of pavement removal (including concrete slab and plant mix or ABC) measured as provided above will be paid for at the contract unit price per square yard for "Removal of Existing Concrete Pavement Slabs."

Select Material, Class IV will be measured and paid for at the contract unit price per ton and will be the actual number of tons of select material that has been incorporated into the completed and accepted work. The material will be measured by being weighed in trucks on certified platform scales or other certified weighing devices.

Geotextile for Soil Stabilization will be measured and paid for in accordance with Section 270 of the *2018 Standard Specifications for Roads and Structures*.

Undercut excavation will be measured and paid for in accordance with Section 225 of the *2018 Standard Specifications for Roads and Structures*.

The Portland Cement Concrete Pavement Through Lanes (With Dowels) will be measured and paid for in accordance with Section 710 of the *2018 Standard Specifications for Roads and Structures*.

The Asphalt Concrete Base Course, Type B25.0C will be paid as the actual number of tons of asphalt plant mix, complete in place. The asphalt plant mixed material will be measured by being weighed in trucks on certified platform scales or other certified weighing devices.

The Aggregate Base Course will be measured and paid for in accordance with Section 520 of the *2018 Standard Specifications for Roads and Structures*.

This price and payment will be full compensation for all work covered by this provision for furnishing all labor, materials, tools, equipment, sawing, removal and satisfactory disposal of the concrete, any underlying base material and/or subseal grout as directed.

Payment will be made under:

Pay Item	Pay Unit
Removal of Existing Concrete Pavement Slabs	Square Yard
Undercut Excavation	Cubic Yard
Geotextile for Soil Stabilization	Square Yard
Select Material, Class IV	Ton
Portland Cement Concrete Pavement Through Lanes (with Dowels)	Square Yard
Aggregate Base Course	Ton