

250 PAVEMENT REPAIRS

ITEM 254 – PAVEMENT PLANING

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254.01 Description. This work shall consist of planing the existing pavement and disposing of the cuttings in accordance with these specifications in areas designated on the plans or established by the Engineer. When provided for in the contract the work also shall consist of patching the planed surface.

254.02 Existing Pavement Type. The Item description indicates the predominant type of pavement. All pavement encountered in the areas designated on the plans shall be planed, measured, and paid for under the Item unless a separate Item is provided in the contract.

254.03 Equipment. Planing equipment shall be self-propelled with sufficient power and stability to consistently and efficiently produce the required results. The cutting element may be of the grinding, sawing, or milling type.

Planing cutters shall be mounted rigidly to the carrier and shall be adjustable and controllable as to depth of cut and cross-slope. Longitudinal planing action may be produced either by means of a suitable carrier wheel-base or by means of an automatic control system having an external reference. Cross-slope adjustments or automatic controls shall be capable of producing either a variable or a constant cross-slope as required.

Planing cutters shall be designed, maintained and operated so as to produce a surface free from grooves, ridges, gouges or other irregularities detrimental to the safe operation of vehicles in traffic routed onto the planed surface, temporarily or permanently.

Suitable supplemental equipment or methods, approved by the Engineer, may be used in small or confined areas.

254.04 Planing. One or more planing passes shall be made over the designated area as necessary to remove such irregularities as bumps, corrugations, and wheel ruts, and when required, as necessary to establish a new pavement surface elevation or cross-slope.

Cuttings shall be removed from the surface following each pass of the equipment by vacuuming or other approved method. Before opening the completed area to traffic, the surface shall be cleaned thoroughly of all loose material that would create a hazard, a nuisance, or would be redeposited into the surface texture. Cuttings shall be disposed of in accordance with Section 203.

Effective measures shall be taken to control dust, smoke, contamination of the pavement, and the scattering of loose particles during planning, and cleaning operations.

Where sound pavement has been gouged, torn, or otherwise damaged during planning operations, the damaged area shall be repaired at no additional cost in a manner satisfactory to the Engineer to conform to the adjacent pavement in smoothness and durability.

254.05 Surface Tolerances. When the contract provides for planning without resurfacing, the surface shall be planed to a smoothness of plus or minus 1/8 inch (3.2 mm) in 10 feet (3.0 m) and the surfaces at the edges of adjacent passes shall be matched within plus or minus 1/8 inch (3.2 mm). When the contract includes resurfacing, these tolerances shall be plus or minus 1/4 inch (6.4 mm). The cross-slope of the planed surface shall conform to the specified cross-slope within plus or minus 3/8 inch (9.5 mm) in 10 feet (3.0 m).

254.06 Method of Measurement. The quantity of pavement planing including the removal and disposal of cuttings shall be the number of square yards (square meters) planed.

254.07 Basis of Payment. Payment for accepted quantities will be made at the contract price for:

| Item | Unit | Description |
|-------------|-----------------------------|--------------------|
| 254 | Square Yards (Square Meter) | Pavement Planing |