

**TECHNICAL SPECIFICATION 235  
PAVEMENT REPAIR**

235.1 SCOPE OF WORK

This technical specification covers the furnishing of all labor, materials, testing, submittals, tools and equipment necessary to perform pavement repair including saw cutting, excavation, removal and disposal of existing pavement and base material and installation of processed aggregate base and bituminous concrete, tack coat and joint sealant, to depths as shown on the plans.

235.2 MATERIALS

Processed aggregate base shall be medium gradation conforming to Technical Specification 210 – “Processed Aggregate Base”. Gravel and reclaimed process aggregate base shall not be accepted.

Bituminous concrete materials used shall conform to Form 817, Section M.04, as applicable and shall be as follows:

- A. The binder course shall be HMA S0.5 or Class 1 bituminous concrete
- B. The wear course shall be HMA S0.375 or Class 2 bituminous concrete
- C. Tack coat
- D. Joint sealer shall be AC-20 or approved equal

Hot-applied pavement markings shall conform to Form 817, Section M.07.21.

Epoxy resin pavement markings shall conform to Form 817, Section M.07.22.

235.3 SUBMITTALS

The following submittals shall be submitted to the Engineer for review and approval prior to installation:

- Gradation test result for processed aggregate
- Certified test report and material certification for pavement markings

235.4 CONSTRUCTION METHODS

Saw cuts shall be made no less than 18 inches back from the edges of the excavation on the pavement.

Processed aggregate base, medium graduation, shall be placed in conformance with Technical Specification 210 in lifts with a maximum compacted thickness of 4 inches. Processed aggregate base shall be applied to a total compacted minimum depth of 8 inches. If the depth of the existing base is greater than 8 inches, processed aggregate should be placed in 4" lifts to match existing depth. Suitable backfill and processed aggregate base materials shall be compacted to 95 % per AASHTO T-180 Method D.

The placement of the bituminous concrete materials shall be performed in accordance with Technical Specification 220 – “Bituminous Concrete Surfaces”. Unless otherwise shown on the plans or directed by the Engineer, the binder course shall be applied and compacted to a minimum thickness of 2 inches, or to a thickness of the existing pavement, less 2 inches. The finish course shall be placed and compacted to a thickness of 2 inches. The Contractor shall refer and conform to Form 817, Section 4.06 pertaining to the weather conditions permitting the placement of bituminous concrete. Further, where bituminous concrete is being applied as trench placement or is being matched to an existing roadway, the existing roadway shall be saw cut to meet the new material, a tack coat shall be applied as per Technical Specification 220 and the joint shall be sealed with hot asphalt material, all considered as part of this item.

If greater than 5 linear feet of existing pavement marking (centerlines, lane lines, shoulder lines) has been removed then the pavement markings should be replaced with either hot-applied or epoxy resin pavement markings (white or yellow as appropriate), to match existing conditions, in accordance with Form 817, Section 12.09 or 12.10 as applicable. Structures such as catch basins, manhole covers, and other movable/repositionable objects within the roadway should not be marked.

235.5 MEASUREMENT

Measurement for this item will be based on the number of square yards of pavement repairs completed and accepted in place.

235.6 PAYMENT

Payment for this item will be based on the contract unit price per Square Yard completed and accepted in place, including all labor, materials, testing, submittals, tools, and equipment necessary to complete the work as specified.

PAY ITEM	PAY UNIT
Pavement Repair	S.Y.