

Item C253 – Pavement Repair

- C253.1 Description**
- C253.2 General**
- C253.3 Utilities**
- C253.4 Traffic Control**
- C253.5 Basis of Payment**

C253.1 Description. This item of work consists of providing permanent pavement repair. The work shall consist of removing existing asphalt concrete, brick, Portland cement concrete or aggregate pavement courses, shaping and compacting the exposed material, and placing new asphalt concrete pavement or aggregate in accordance with this specification and the details shown on the plan or established by the Engineer.

The work done shall conform to ODOT Item 253, Pavement Repair, Asphalt Concrete, of the Construction and Materials Manual, latest edition, and Item C441(448), and shall include the following supplemental specifications.

C253.2 General. The Engineer will designate the limits of the areas to be repaired prior to the start of work. The existing pavement shall be sawcut at these limits as specified and as necessary to prevent disturbing or undermining the abutting pavement during removal.

The pavement shall then be removed to the level of failure in the pavement section. This work is to be performed in accordance with Item 202 and in a manner that does not displace, undermine, or otherwise damage the abutting pavement. If in satisfactory condition, the exposed underlying material shall be shaped and compacted according to Item 204, and the use of a roller is required where work is large enough to accommodate it. Should unsuitable subgrade material be found below the existing pavement section (assume no less than 12 inches for existing pavement section), payment for such removal and replacement shall be paid for under Item 203 – Roadway Excavation & Embankment.

The replacement pavement section is to match the existing section for thicknesses, but no less than 6 inches of asphalt concrete over 6 inches of aggregate base. The 2” thick asphalt concrete surface course is to be Item 441 (Type 1, PG64-22, medium traffic, 448 acceptance) for local streets arterial streets, unless otherwise specified. The asphalt concrete base is to be a minimum of 4” of Item 301. The aggregate base is to be Item 304 (crushed limestone). Prior to placing asphalt concrete, all vertical faces shall be cleaned and coated with bituminous material in accordance with Item 401.14. Each lift shall be compacted thoroughly and uniformly as directed by the Engineer. Where immediate resurfacing is not planned, the final lift shall be finished at least flush and not more than 1/4 inch above the surface of the abutting pavement and all edges shall be sealed. Where immediate resurfacing is planned, Item 301 may be used for the surface course.

For concrete joint milling and repair, the Engineer will designate the limits of the areas to be repaired after pavement planing (if applicable) and prior to the start of work. Concrete joint milling and repair shall consist of grinding a 12, 24 or 36 inch wide section to a depth to remove the deteriorated concrete pavement joint (typically 2 to 3 inches, but sometimes deeper), removing and disposing of all loose material, sealing the pavement joint, tacking the exposed concrete and filling the ground out area with Item 301 Asphalt Concrete Base. The new joints created between the asphalt and concrete shall be sealed per Item 423 – Crack Sealing or Item 422 Stress Absorbing Membrane Interlayer.

C253.3 Utilities. It is the Contractor's responsibility to have all manholes, valve boxes, underground utilities, etc. located prior to beginning the pavement repair operation. Under most circumstances, damage to any utility will be repaired at the Contractor's expense.

C253.4 Traffic Control. Two-way traffic is to be maintained at all times. Ingress and egress shall be provided for all driveways. Barricades, signs and warning lights shall be in accordance with the Ohio Manual of Uniform Traffic Control Devices. The Contractor shall be responsible for all traffic control as part of this Item. On arterials roadways, work hours will be limited between the hours of 8:30 A.M and 3:30 P.M, unless otherwise specified.

C253.5 Basis of Payment. The price bid for this item shall include all labor, materials and equipment incidental to sawcut, excavate, dispose of the pavement and base, prepare and tack the surface, place and compact aggregate base and asphalt, seal, and traffic control.

Payment will be based on the unit price bid:

Item	Unit	Description
C253	Square Yard	Pavement Repair, Arterial Street
C253	Square yard	Pavement Repair, Local Street
C253	Square yard	Pavement Repair, Arterial Street, Excluding Surface Coarse
C253	Square yard	Pavement Repair, Local Street, Excluding Surface Coarse
C253	Linear Foot	Concrete Joint Milling and Repair, 12 inches wide
C253	Linear Foot	Concrete Joint Milling and Repair, 24 inches wide

C253 Linear Foot Concrete Joint Milling and Repair, 36 inches wide