

Item C252 - Full Depth Rigid Pavement Removal and Flexible Replacement

- C252.1 Description**
- C252.2 General**
- C252.3 Utilities**
- C252.4 Traffic Control**
- C252.5 Basis of Payment**

C252.1 Description. This item of work shall consist of full depth removal of existing rigid pavement in areas exhibiting deterioration, correction of the sub-base, replacement with asphalt concrete, and restoration of shoulders in accordance with this specification and the details shown on the plan or established by the Engineer. When replacing/repairing pipe (Item C811), the restoration will be paid under Item C811, and not Item C252.

The work done shall conform to ODOT Item 252, Full Depth Pavement Removal and Flexible Replacement, of the Construction and Materials Manual, latest edition, and shall include the following supplemental specifications and/or exceptions.

C252.2 General. The Engineer will designate the limits of the areas to be repaired prior to the start of work. The existing pavement shall be saw cut full depth at these limits as specified and as necessary to prevent disturbing or undermining the abutting pavement during removal. The City shall provide the marking paint. The cost for full depth sawing shall be included in the unit price bid for this item.

Pavement in the areas shall then be removed completely to the depth specified in accordance with Item C202 and in a manner that does not displace, undermine, or otherwise damage the abutting pavement. The exposed underlying material shall be shaped and re-compacted as directed by the Engineer. Unsuitable sub-grade material shall be removed 4" below the asphalt/concrete base and replaced with 4" of Item 304 - crushed limestone. Should unsuitable sub-grade materials be below 4 inches, payment for such removal and replacement shall be paid for under Item C203 - Undercutting.

The replacement material shall be per ODOT Item 301 (but paid as part of Item C252) and shall be placed in two lifts on the prepared sub-grade. Prior to placing asphalt concrete, all vertical faces shall be cleaned and coated with asphalt material in accordance with ODOT 401.14. Each lift shall be mechanically compacted thoroughly and uniformly as directed by the Engineer. 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 with a 4" Item C423 crack sealing, Type II unless otherwise directed by the City Engineer.

Where there is an existing asphalt layer, the entire area is to be milled according to Item C254 prior to performing this item. Time is of the essence once the pavement has been milled and the underlying concrete surface exposed. The exposed concrete surface

must be protected from further deterioration during this base repair and until final paving.

C252.3 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.

C252.4 Traffic Control. Traffic shall be maintained at all hours of the workday. Ingress and egress shall be provided for all driveways and at no time shall both sides of the street be blocked for pavement repair so as to prohibit vehicular traffic. Additionally access to and from businesses shall not be unnecessarily hampered. At no time shall a business be denied use of their driveway without consent of the business owner and the Engineer. 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.

C252.5 Basis of Payment. The price bid for this item shall include all labor, materials and equipment incidental to perform saw cutting, pavement and subgrade removal and disposal, subgrade preparation, 4" of ODOT Item 304 - crushed limestone, flexible replacement, sealing, and restoration of shoulders as shown on the plans or directed by the Engineer.

Payment will be based on the unit price bid:

Item	Unit	Description
C252	Square Yard	Full-depth rigid pavement removal and flexible replacement