

Item C441 - Asphalt Concrete

- C441.1 Description**
- C441.2 Material**
- C441.3 General**
- C441.4 Utilities**
- C441.5 Traffic Control**
- C441.6 Basis of Payment**

C441.1 Description. This work shall consist of constructing a surface course or intermediate course of aggregate and asphalt cement mixed in a central plant and spread and compacted on a prepared surface in accordance with ODOT Item 441 of the Construction and Materials Specifications Manual, ODOT Supplemental Specification 800, in reasonably close conformity with the lines, grades and typical sections shown on the plans or established by the City Engineer, and shall include the following supplemental specifications and/or exceptions. The Contractor will be required to supply a mix design to the City detailing the requirements of the specified asphalt concrete. It is the contractor's responsibility to have all manholes and valves located prior to commencing work, so that they may be adjusted as necessary.

C441.2 Material. Materials and compositions shall meet the requirements as set forth in ODOT Item 441 of the Construction and Materials Specifications Manual. Each asphalt ticket shall show the correct ODOT specification and AC content. The use of slag is not permitted.

C441.2.1 Use of Recycled Material. The Contractor may use a blend of new materials in combination with reclaimed asphalt according to ODOT Item 401.04. A maximum percentage of reclaimed materials may be used in accordance with ODOT Item 401.04-1 Method 1-Standard RAP/RAS limits.

C441.3 General. The resurfacing shall consist of a 2- inch thick course on all asphalt streets and a 2-inch thick course on all composite/concrete streets. Asphalt streets shall have a ¾- inch thick leveling course followed by a 1-1/4-inch thick final course. Concrete streets to be overlaid shall have a ¾-inch leveling course followed by a 1-1/4-inch, more or less, finish course. The entire leveling course shall be placed prior to the finish course. The cross slope of the finish course shall be 2% unless otherwise specified. The pavement joints are to be located at least 6" from pavement markings to avoid coverage by crack sealing, and should be flush to 1/4-inch above the curb.

The surface on which the asphalt is to be placed shall be cleaned and maintained free of accumulations of materials that would, in the judgment of the City Engineer, contaminate the mixture, prevent bonding or interfere with spreading or compacting operations. In addition to proper cleaning of the surface to be paved, all base repair, crack seal work and joint fabric placement shall be completed and inspected by the City Engineer. No asphalt shall be placed on any surface which has not been properly repaired, crack sealed and cleaned. Caution shall be used along curbs and around utilities. It will be the Contractor's responsibility to repair curbs or utilities unnecessarily damaged during the paving operation. Upon completion of final paving and edge sealing, any remaining construction debris shall be cleaned from the roadway.

Where the asphalt overlay will end at an existing asphalt pavement, a minimum ¾-inch butt joint is required as part of Item C254. The overlay shall create a joint as described in ODOT Item 401.17. Where the existing pavement is concrete, the end joint may be feathered to meet the existing grade. The last 8-inches of the feathered end shall be heavily sealed with AC and shall be covered with finely graded aggregate. Prior to placing the asphalt overlay, all vertical faces shall be cleaned and coated with asphalt material in accordance with ODOT Item 401.14.

The new asphalt concrete surface shall be compacted uniformly using a combination of a steel wheel roller and a pneumatic tire roller in accordance with ODOT Items 401.13 and 401.16. The limits of the new Item C441 surface shall be sealed with a 4-inch ribbon of AC, except as noted above in accordance with Item C423. A finely graded aggregate or sand shall be spread over the AC ribbon in front of driveways, handicap ramps and mailboxes as directed by the City Engineer. Ragged edges will not be permitted. The Contractor shall exercise care so that the edges of the asphalt will be smooth and even.

Where reconstruction of an asphalt driveway is required, the price bid for this item shall include placement of up to 4" of ODOT Item 304 crushed limestone, the construction of a 4 inch minimum thickness asphalt driveway (with the asphalt being placed in two layers) and all work required to provide a finished driveway to the property owner. Upon excavation, the driveway is to be re-opened for use as soon as possible. The contractor can use aggregate as a temporary driving surface if necessary, and this is incidental to the work.

C441.4 Traffic Control. Traffic shall be maintained at all hours of the workday. 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, except as noted in previous section. On heavily traveled roads, work hours may be limited between the hours of 8:30 A.M and 3:30 P.M.

C441.5 Method of Measurement. The quantity of asphalt to be paid for will be based on the actual number of cubic yards, complete and in place, as determined by actual square feet of asphalt rebuilt.

C441.6 Basis of Payment. The price bid for this item shall include all labor, equipment and material incidental to the construction of the asphalt concrete pavement according to these specifications, including temporary driving surface for driveway and roadway access.

Payment will be made at the unit price bid:

Item	Unit	Description
C441	Cubic Yard	Type 1, Asphalt Concrete Surface Course, PG64-22, Medium Traffic, 2 Inches Thick, Placed in 2 Lifts (446 or 448 acceptance)
C441	Square Foot	Type 1, Asphalt Concrete Surface Course, PG64-22, Medium Traffic, Driveway 4" Thick, Placed in 2 Lifts (448 acceptance)