

Item C452 - Plain Portland Cement Concrete Pavement and Driveways

C452.1 Description

C452.2 Material and Construction

C452.3 Method of Measurement

C452.4 Basis of Payment

C452.1 Description. This item shall consist of the construction of a Portland cement concrete pavement, with integral curbs where specified, on a prepared sub-grade or sub-base course in accordance with ODOT Item 452 of the Construction and Materials Specifications Manual, in conformity with the lines, grades, thickness and typical cross-sections shown on the plans or established by the City Engineer, and shall include the following supplemental specifications and/or exceptions. Removal of existing concrete pavement, including concrete driveways, integral curb and base material shall be done in accordance with Item C202 and as directed by the Engineer.

C452.2 Material and Construction. Concrete shall meet the requirements of ODOT Item 499 of the Ohio Department of Transportation "Construction and Material Specifications Manual", latest edition.

The City will mark the areas to be removed prior to commencement of work. In some instances, the City will attempt to save the curb section or only reconstruct the curb section. In either case, a saw cut will be required a minimum of 30-inches from the back of curb and parallel to the curb.

On pavement widths greater than 28 feet, back-of-curb to back-of-curb, a contraction joint shall be required parallel to the curb and mid-way through the slab.

All joints shall be tooled in accordance with ODOT 451.08. All exposed concrete surfaces shall be cured.

Concrete driveway aprons shall be saw-cut and removed at the first joint back of the curb or saw-cut per the City Engineer's instruction. Tooled joints of the new concrete driveway apron shall generally meet the existing joint layout of the driveway, or as direct by the City Engineer. Concrete driveway aprons shall require 4 inches of ODOT Item 304, Aggregate Base, and a minimum of 6 inches of QC Misc. or QC 1 concrete.

C452.3 Method of Measurement. The quantity to be paid for shall be the actual number of square yards (or square feet) of concrete pavement, of the thickness specified, complete and in-place. All measurements will be made horizontally along the centerline of the concrete pavement. Catch basins, inlets and manhole aprons will be deducted from the square yards of pavement measured for payment.

C452.4 Basis of Payment. The price bid for this item shall include all labor, equipment and material incidental to the construction of the concrete pavement or driveway and shall include: placement of 4 inches of ODOT Item 304, Aggregate Base;

the construction of concrete pavement and integral curbs as specified; construction of joints; expansion material; dowels, hook bolts, tie rods and load transfer devices as required; curing materials; pre-molded joint material as specified; depressing curbs for driveways; providing curb openings for drain tile as directed; constructing thickened end sections or construction joints with dowel bars as directed; and restoration of the grassed areas and the existing street and driveway pavement. Removal and disposal of concrete pavement including integral curbs and up to 4 inches of base material shall be paid for under Item C202 - Removal of Structures and Obstructions. Removal and replacement of unsuitable sub-grade material below 4 inches shall be paid for under Item C203 - Undercutting.

Payment will be based on the unit price bid:

Item	Unit	Description
C452	Square Yard	Concrete Pavement, _____" thick
C452	Square Foot	Concrete Driveway, _____" thick