690 Sawing

690.1 Description

(1) This section describes sawing of existing concrete or asphalt including pavement, curb & gutter, driveways, sidewalks, and similar work.

690.2 (Vacant)

690.3 Construction

690.3.1 Equipment

(1) Use diamond blades for sawing concrete where a full-depth cut is required. The contractor may use carbide cutting wheels to saw concrete that will be overlaid or for full-depth cuts where the cut face does not join the new concrete.

690.3.2 Sawing Asphalt

(1) Make straight saw cuts at least 2 inches deep. Saw so the surface remaining is generally vertical over its full depth. Saw to the depth the plan indicates or as the engineer directs or allows.

690.3.3 Sawing Concrete

(1) Do not extend saw cuts into newly placed concrete pavement or into existing pavements more than 12 inches beyond the limits the engineer designates. Saw full-depth unless the plans indicate otherwise or the engineer directs or allows otherwise.

(2) Remove sawing sludge after completing each saw cut. Minimize sludge on live traffic lanes. Remove sludge from traffic control devices each day before dark. Dispose of sludge at an acceptable material disposal site or on engineer-approved areas of the roadway or roadside.

690.4 Measurement

Revise 690.4 measurement language for sawing concrete with concrete pavement repair and replacement or concrete base patching.

(1) The department will measure Sawing Asphalt and Sawing Concrete by the linear foot acceptably completed. The department will not measure overcuts beyond the limits the plans show or the engineer directs.

(2) If performing Sawing Concrete in conjunction with concrete pavement repair and replacement or concrete base patching, the department will measure the applicable total quantity of the following:

1. One full-depth longitudinal cut at each limit of the repair area that abuts to adjacent concrete. If the contractor is removing concrete pavement for double lane repairs in slabs, the department will also measure one full-depth longitudinal cut through the middle of the double lane repair area. If the contractor is breaking the concrete pavement prior to removal, no longitudinal cuts within the repair limits will be measured for payment.

2. Two full-depth transverse cuts, one at each limit of the repair area.

3. If the contractor is removing the concrete pavement from repair areas in slabs and the longitudinal length of a repair area is greater than 7 feet, the department will measure additional transverse cut as necessary to reduce the removal slabs to a longitudinal length of 7 feet or less. If the contractor is breaking the concrete pavement prior to removal, no transverse cuts within the repair limits will be measured for payment.

4. Additional full-depth cuts the engineer directs to extend the repair limits, unless those cuts were required because of damage contractor operations caused.

(3) The department will measure and pay for composite cuts through both asphalt and concrete as concrete.

690.5 Payment

(1) The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER DESCRIPTION UNIT

690.0150 Sawing Asphalt LF

690.0250 Sawing Concrete LF

(2) Payment is full compensation for sawing and sludge removal.