

RW-21 Durham, Franklin, Granville, Person, Vance, Wake & Warren County

the Standard Drawing No. 1101.02, 1101.11 and 1110.02 of the *2018 Roadway Standard Drawings*. Any required portable signs for lane closures are compensated in the contract pay items.

Measurement and Payment:

Temporary traffic control work, including, but not limited to installation and removal of portable signs, cones, drums, skinny drums, flaggers, AFAD's, changeable message boards, truck mounted attenuators, flashing arrow panels, portable lighting and pilot vehicles will be paid at the contract unit price for each type of lane closure. Additional flashing arrow panels and message boards beyond those shown in the *2018 Roadway Standard Drawings* required by the Engineer will be paid as extra work in accordance with Article 104-7 of the *2018 Standard Specifications for Roads and Structures*.

All "Lane Closure" items include the work of satisfactorily installing and removing work zone advance and/or general warning signs, including, but not limit to, furnishing, locating, installing, covering, uncovering and removing stationary signs.

Measurement and payment for Traffic Control will be made for each satisfactorily installed "Lane Closure" or "Lane Closure Shift" as described below.

Payment will be made under:

Pay Item	Unit
Temporary Lane Closure (2-Lane, 2-Way Roadway)	Each
Temporary Lane Closure (Multi-Lane Roadway)	Each
Temporary Ramp Closure	Each
Lane Closure Shift (Multi-Lane Roadway)	Each
Nighttime Temporary Lane Closure (2-Lane, 2-Way Roadway)	Each
Temporary Shoulder Closure	Each

LAW ENFORCEMENT:

(6-21-22)(Rev. 11-15-22)

1190

SP11 R30

Revise the *2018 Standard Specifications* as follows:

Page 11-19, Article 1190-1 DESCRIPTION, lines 4-5, replace the paragraph with the following:

Furnish Law Enforcement Officers and official Law Enforcement vehicles to direct traffic in accordance with the contract.

Page 11-19, Article 1190-2 CONSTRUCTION METHODS, lines 7-10, replace the first and second paragraph with the following:

Use off duty uniformed Law Enforcement Officers and official Law Enforcement vehicles equipped with blue lights to direct or control traffic as required by the plans or by the Engineer.

Law Enforcement vehicles shall not be parked within the buffer space on any roadway. Law Enforcement vehicles shall not be used to close or block an active travel lane on multilane

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roadways with a posted speed limit of 45 MPH or higher, except as allowed during rolling roadblock operations as shown in the *Roadway Standard Drawings* or while responding to an emergency.

Measurement and Payment

Pay Item	Pay Unit
Law Enforcement	Hour

SILICONE EXPANSION JOINT REPLACEMENT:

Description

The contractor shall remove the existing expansion joint, clean the area in accordance with the manufacturer's recommendations, and place the silicone expansion joint in accordance with the manufacturer's recommendations. The expansion joint shall be replaced with the materials stated in this contract.

Prior to work starting and after work is completed all concrete or elastomeric concrete edges, at the joint opening, shall be inspected for spall, cracks and any irregularities. Locations identified with spalls, cracks and any irregularities shall be corrected. All joint openings shall have a completed edge that is true and parallel with the adjacent edge, this will include but not limited to "track saw cutting" to establish this edge.

- Clean the joints by sandblasting with clean dry sand immediately before placing the bonding agent. Sandblast the joint opening to provide a firm, clean joint surface free of curing compound, loose material and any foreign matter. Sandblast the joint opening without causing pitting or uneven surfaces. The aggregate in the elastomeric concrete may be exposed after sandblasting.
- After blasting, either brush the surface with clean brushes made of hair, bristle or fiber, blow the surface with compressed air, or vacuum the surface until all traces of blast products and abrasives are removed from the surface, pockets and corners.
- If nozzle blasting is used to clean the joint opening, use compressed air that does not contain detrimental amounts of water or oil.

Materials

All materials shall be delivered unopened in their original containers bearing the manufacturer's label, date of manufacture, batch number, trade name brand, and quantity. Sufficient material to perform the entire expansion joint shall be "on hand" prior to removing the existing expansion joint. Stored materials may be inspected prior to their use and shall meet the requirements of these provisions. Each shipment of repair material shall be accompanied by Material Safety Data Sheets (MSDS) and a certificate of compliance certifying that the materials conform to the requirements of these provisions.

The repair material shall be one of the following approved products: