

**SECTION 01470****TEMPORARY GRADED AGGREGATE, BITUMINOUS CONCRETE,  
AND/OR CALCIUM CHLORIDE FOR MAINTENANCE OF TRAFFIC****01470.01 GENERAL****A. Description**

1. This work shall consist of furnishing and placing graded aggregate, bituminous concrete, and/or calcium chloride for maintenance of traffic. These materials shall be used to maintain the existing roadway surface and shoulders including crossroads, ramps, approaches, crossovers, and entrances within the limits of the Project for the duration of the Contract.
2. The Engineer shall be the sole judge as to when patching or repairs are to be performed. The Contractor shall not perform any repairs without orders from the Engineer.
3. Any hazardous condition, which exists or develops during the term of the Contract such as potholes, shoulder defects, etc., shall be repaired or patched by the Contractor to the satisfaction of the Engineer.

**B. Related Work Included Elsewhere**

1. Aggregate base and subbase courses; Section 02621.
2. Bituminous concrete pavements; Section 02641.

**C. Quality Assurance**

1. The Engineer will inspect all materials before and/or after installation to ensure compliance with the Contract Documents.
2. Periodically the Engineer and the Contractor shall review the Project to determine what, if any, repairs are required to the existing facilities.

**D. Submittals**

None.

**01470.02 MATERIALS****A. Materials Furnished by the County**

1. The County will not furnish any materials for the maintenance of roadways, shoulders, ramps, approaches, crossovers, or entrances.

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2. The Contractor may purchase potable water from the County's potable water system for calcium chloride application in accordance with current County policies and procedures. The Contractor shall contact the County Bureau of Utilities, Meter Section, for requirements.

**B. Contractor's Options**

Not applicable.

**C. Detailed Material Requirements**

1. Graded Aggregate

Graded aggregate shall meet the gradation requirements of AASHTO M 43, Size number 57, as specified in Section 02621.02.

2. Bituminous Concrete

Bituminous concrete shall meet the requirements specified in Section 02641.02.

3. Calcium Chloride

Calcium chloride shall meet the requirements specified in Section 02621.02.

**01470.03 EXECUTION**

**A. Maintenance**

Any hazardous condition, which exists or develops during the term of the Contract such as potholes, shoulder defects, etc., shall be repaired or patched by the Contractor to the satisfaction of the Engineer.

**B. Preparation**

Prior to the placement of temporary surfacing materials, the area shall be graded, leveled, compacted, and cleaned of all loose and foreign materials.

**C. Graded Aggregate**

1. Graded aggregate for temporary maintenance of traffic shall be placed and compacted in accordance with Section 02621.03 and as specified herein.
2. The material shall be uniformly spread over the prepared surface to the limits directed by the Engineer.

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3. Immediately after spreading, each layer shall be compacted by mechanical means so as to produce a dense and unyielding surface.

**D. Bituminous Concrete**

1. Bituminous concrete for temporary maintenance of traffic shall be placed and compacted in accordance with Section 02641.03 and as specified herein.
2. The material shall be machine spread and leveled in a uniform layer to the depth and limits directed by the Engineer except on areas, where, on account of irregularities, unavoidable obstacles, or where machine spreading is impractical as determined by the Engineer, the mixture shall be spread with lutes. The use of garden rakes will not be allowed.
3. After spreading and leveling, the bituminous concrete shall be thoroughly and uniformly compacted by mechanical means.

**E. Calcium Chloride**

1. Calcium chloride for temporary maintenance of traffic shall be placed in accordance with Section 02621.03 and as specified herein.
2. After the graded aggregate has been placed as specified in Section 01470.03, Article B, calcium chloride shall be applied uniformly to the surface at a rate of 1 pound per square yard or at a rate directed by the Engineer. If the surface is dry, it shall be sprinkled immediately before the calcium chloride is applied.

**01470.04 METHOD OF MEASUREMENT**

**A. Maintenance of Existing Roadway**

No measurement will be made for maintenance of existing roadway. Measurement for this work will be made in accordance with pertinent pay items included in the Proposal.

**B. Graded Aggregate**

Measurement for graded aggregate will be made by weight of graded aggregate furnished and placed only in accordance with the directions of the Engineer.

**C. Bituminous Concrete**

Measurement for bituminous concrete will be made by weight of bituminous concrete furnished and placed only in accordance with the directions of the Engineer.

**D. Calcium Chloride**

Measurement for calcium chloride will be made by weight of calcium chloride furnished and placed only in accordance with the direction of the Engineer.

**01470.05 BASIS OF PAYMENT**

**A. Maintenance of Existing Roadway**

No payment will be made for maintenance of existing roadway. Payment for this work when performed will be made under appropriate pay items included in the Proposal, which shall constitute full payment for all labor, tools, equipment, materials and incidentals required to satisfactorily complete the work.

**B. Graded Aggregate**

1. Payment for furnishing and placing graded aggregate for maintenance of traffic will be made at the price bid per ton of graded aggregate furnished and placed. The price bid shall include surface preparation; the furnishing, placing, and compaction of the material; and all tools, labor, and equipment required to satisfactorily complete the work.
2. A delivery ticket system shall be established for accurately determining the amount of material delivered to the work. The tickets shall be serially numbered and show the date of delivery; gross weight, tare weight, and net weight of the material; and the number of the truck. One copy of the ticket shall be given to the Engineer.

**C. Bituminous Concrete**

1. Payment for furnishing and placing bituminous concrete for maintenance of traffic will be made at the price bid per ton of bituminous concrete furnished and placed. The price bid shall include surface preparation; the furnishing, placing, and compaction of material; and all tools, labor, and equipment required to satisfactorily complete the work.
2. A delivery ticket system shall be established for accurately determining the amount of material delivered to the work. The tickets shall be serially numbered and show the date of delivery; gross weight, tare weight, and net weight of the material; and the number of the truck. One copy of the ticket shall be given to the Engineer.

**D. Calcium Chloride**

1. Payment for furnishing and placing calcium chloride for maintenance of traffic will be made at the price bid per ton of calcium chloride furnished and spread. The price bid shall include furnishing and placing the calcium chloride, furnishing and

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applying water as required, and all tools, labor, and equipment required to satisfactorily complete the work.

2. Weights will be determined by certified delivery tickets or other acceptable means.

END OF SECTION