

**ITEM 022090**

**Item 0220915 - 1-1/2" RIGID METAL CONDUIT UNDER ROADWAY**

**Item 0220920 - 2" RIGID METAL CONDUIT UNDER ROADWAY**

**Item 0220925 - 2-1/2" RIGID METAL CONDUIT UNDER ROADWAY**

**Item 0220930 - 3" RIGID METAL CONDUIT UNDER ROADWAY**

**Item 0220935 - 3-1/2" RIGID METAL CONDUIT UNDER ROADWAY**

**Item 0220940 - 4" RIGID METAL CONDUIT UNDER ROADWAY**

**DESCRIPTION**

This item shall consist of furnishing and installing rigid metal conduit of the size specified and necessary fitting, where called for, at locations shown on the plans or as directed and in accordance with these specifications.

**REFERENCED ITEMS**

Item 0222101

**REQUIRED SUBMITTALS**

Certified Test Report:

Submit 5 copies of certified test reports for rigid metal conduit in accordance with the contract general requirements.

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for ridged metal conduit in accordance with the contract general requirements.

**MATERIALS**

Rigid metal conduit (RMC) and fittings shall meet the material requirements of The State of Connecticut, Department of Transportation, Standard Specification for Roads Bridges and Incidental Construction, Form 816, 2004, Article M.15.09.

**CONSTRUCTION METHODS**

The conduit shall be installed in the locations and to the dimensions shown on the plans or as directed by the Engineer. All conduit runs shall be installed in a neat and workmanlike manner in accordance with recognized trade practices. Trenching and backfilling of conduit shall conform to Item 0222101.

All conduit shall be installed in strict accordance with current National Electrical Code. Where conduit is to be capped, a commercial pipe or conduit cap shall be used. An expansion fitting shall be used wherever required by an expansion joint in the structure. Upon completion of the work, all conduits shall be cleaned, swabbed and free from obstructions.

After all cable has been installed, U.L. approved duct sealing compound shall be installed in the ends of all conduits which terminates in foundations, handholes, junction boxes and manholes.

**METHOD OF MEASUREMENT**

Conduit will be measured for payment by the actual number of linear feet of the type and size installed and accepted. The measured length shall be from end to end along the centerline through all fittings.

**BASIS OF PAYMENT**

This work will be paid for at the contract unit price per linear foot for “(SIZE) RIGID METAL CONDUIT UNDER ROADWAY”.

This price shall include all material required including expansion fittings, duct seal, conduit fittings, boxes, caps, inserts, equipment, tools, labor and work incidental thereto.

Trenching and backfilling shall be paid under Item 0222101.

<b><u>PAY ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
0220915	1-1/2" Rigid Metal Conduit Under Roadway	LF
0220920	2" Rigid Metal Conduit Under Roadway	LF
0220925	2-1/2" Rigid Metal Conduit Under Roadway	LF
0220930	3" Rigid Metal Conduit Under Roadway	LF
0220935	3-1/2" Rigid Metal Conduit Under Roadway	LF
0220940	4" Rigid Metal Conduit Under Roadway	LF