

ITEM 022100

Item 0221015 - 1-1/2" RIGID METAL CONDUIT IN TRENCH

Item 0221020 - 2" RIGID METAL CONDUIT IN TRENCH

Item 0221025 - 2-1/2" RIGID METAL CONDUIT IN TRENCH

Item 0221030 - 3" RIGID METAL CONDUIT IN TRENCH

Item 0221035 - 3-1/2" RIGID METAL CONDUIT IN TRENCH

Item 0221040 - 4" RIGID METAL CONDUIT IN TRENCH

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 0222001

REQUIRED SUBMITTALS

Certified Test Report:

Submit 5 copies of certified test reports for ridged 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 0222001.

All conduit shall be installed in strict accordance with the 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 IN TRENCH”.

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 0222001.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0221015	1-1/2" Rigid Metal Conduit in Trench	LF
0221020	2" Rigid Metal Conduit in Trench	LF
0221025	2-1/2" Rigid Metal Conduit in Trench	LF
0221030	3" Rigid Metal Conduit in Trench	LF
0221035	3-1/2" Rigid Metal Conduit in Trench	LF
0221003	4" Rigid Metal Conduit in Trench	LF