

CONDUIT EXTENSION
(Operating Street Light Circuits)

I. Quantity

The base bid shall include the indicated number of feet of conduit extension over operating street lighting circuits as shown on the drawing and as indicated in the field by the engineer.

II. Material

- a. Conduit - The non-metallic conduit shall be schedule 40 polyvinyl chloride. It shall be designed to form a sound, strong duct, free from defects. It shall be non-magnetic, resistant to corrosive action, unaffected by electrolysis and shall not soften, deform or deteriorate when exposed to the maximum safe operating temperature of cables. The inside surface of the conduit shall be smooth, and round. The conduit shall be Carlon heavy wall PV-duit plus conduit or approved equal.
- b. Couplings - The couplings shall be of the same material as the conduit, and shall be sufficiently tight to prevent silt or concrete from entering the conduit.
- c. Spacers - Plastic base type sized to match conduit.

III. Installation

The circuit may or may not be in conduit. The street lighting cable and/or conduit shall be exposed by hand digging. The contractor shall use extreme care to not damage these operating cables.

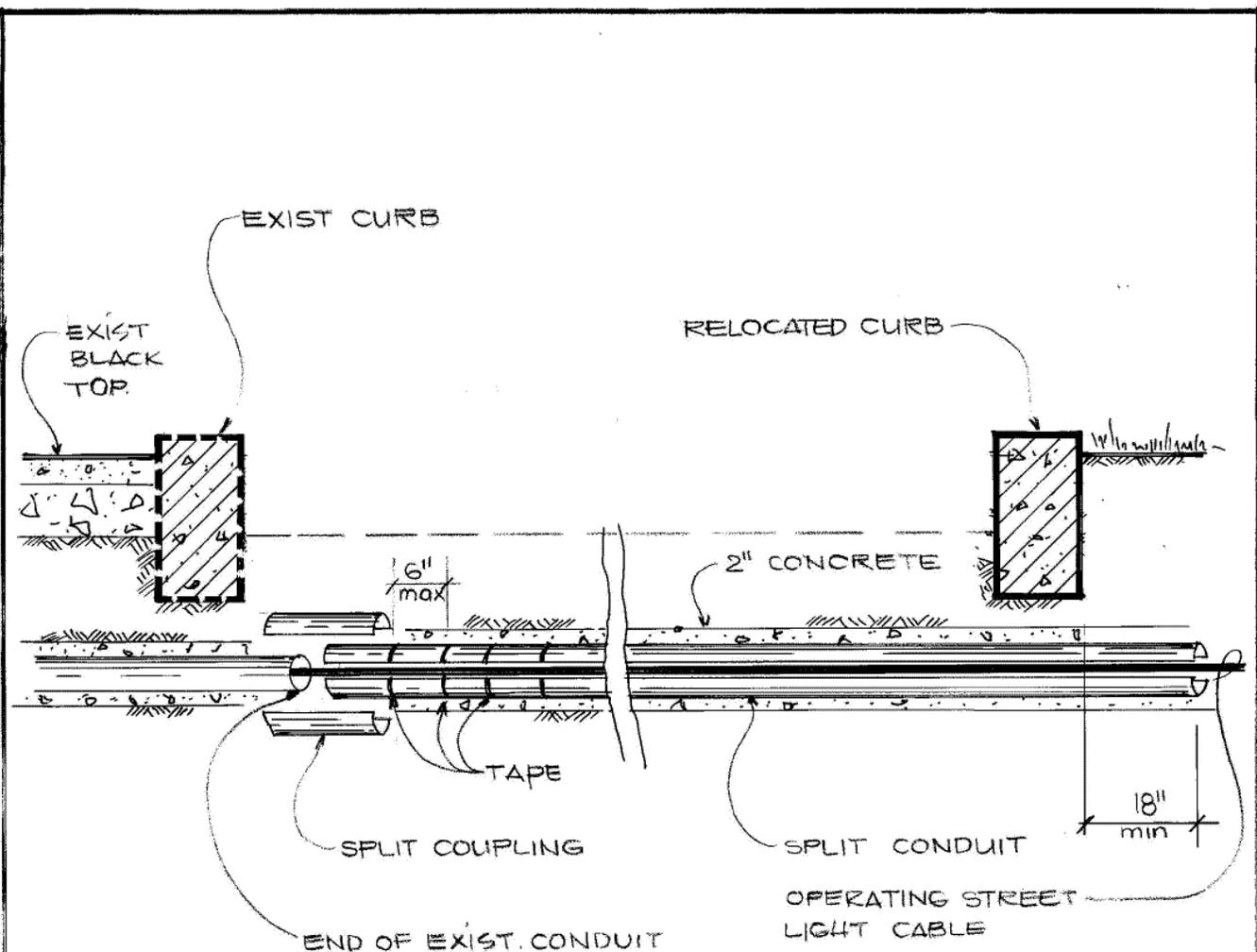
If the cable is found to be in conduit it shall be lowered to a depth to accommodate the new pavement and curb using care not to damage the operating cables.

If the cable is found to be direct buried the conduit shall be extended as shown on DOE DWG. 01S0091.

The street lighting circuits shall be considered to be energized at all times in accordance with the Division of Electricity's conductor safety policy. Copies of this Safety Policy are available, free of charge, at the Division office at 910 Dublin Road, fourth floor.

IV. Quotation

The concrete encased conduit extension over operating street light circuits hereinbefore specified shall be quoted for as a unit price per lineal foot in the appropriate place in this document.



NOTES:

- 1 - ALL CONDUITS AND COUPLINGS SHALL BE SCHEDULE 40 PVC SIZE TO MATCH EXISTING CONDUIT.
- 2 - THE SPLIT COUPLING SHALL BE TAPED TOGETHER OVER THE EXISTING CONDUIT. THE SPLIT CONDUIT SHALL BE PLACED OVER THE CABLES. THE ASSEMBLY SHALL BE HELD TOGETHER TIGHTLY WITH TAPE.
- 3 - THE ASSEMBLY SHALL BE ENCASED IN A 2" CONCRETE ENVELOPE, ITEM 499, CLASS-C
- 4 - THE JOINING OF THE EXISTING AND NEW CONDUIT SHALL HAVE A CONTINUOUS SMOOTH INTERIOR SURFACE SO THAT SUPPLY CABLE WILL NOT BE DAMAGED WHEN PULLED PAST THE JOINT.

REVISIONS	MELP MUNICIPAL ELECTRIC LIGHT & POWER SYSTEM CITY OF COLUMBUS, OHIO DEPT. OF UTILITIES & AVIATION - DIV. OF ELECTRICITY		
	CONDUIT EXTENSION - OPERATING STREET LIGHTING CIRCUITS		
	SCALE NONE	DRAWN 1/89 MO	DRAWING NO. 0150091
C. D. NUMBER	APPROVED	SHEET 1 OF 1	