

BUREAU OF STREET LIGHTING DIRECTIVE NO. 423 (REVISION)

FIBER OPTIC CONDUIT INFRASTRUCTURE

This Directive is issued to incorporate fiber optic conduit infrastructure into street lighting projects. The installation of this conduit will allow the Bureau to add needed street lighting protection, monitoring, and other technology to enhance the City's street lighting system.

Any street lighting project that will install 100 linear feet or more of new street lighting conduit shall install an additional 3" fiber conduit. Fiber conduit shall be installed within the 4' restricted area measured from the curb face to the back of sidewalk (LAMC 62.03(a)) typically designated for public works and street lighting installations. Plans shall indicate the new 3" conduit to be HDPE SDR-11 (smoothwall) roll pipe (orange) or approved equal, installed at a depth of no less than 30" but no more than 36" with one #12 AWG THHN locator wire. Conduits shall be terminated in dedicated handholes (NewBasis Part No. PCA173024-97007 or approved equal). Pullboxes/handholes shall be placed a maximum distance of 500' apart or at intersections, unless otherwise approved by the street lighting engineer, and in a manner that allows for pulling in fiber and splicing to adjacent buildings and infrastructure. Engineers shall design plans that maximize fiber conduit and access points.

These requirements shall apply to all street lighting plans as indicated. It is understood that as each project will require a unique design, so an exact standard will not be applicable to all cases. Standard drawings, details, and general notes will be provided so they can be added to street lighting plans.


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